

MATHEMATICS

Fundamentals of Algebra A (Grade 9)

Year Course - 2 Credits

Fundamentals of Algebra A is a year long course for students needing additional mathematical skill development before enrolling in Algebra I. Topics will include order of operations, number properties, operations with integers, exponents, simplifying expressions, evaluating expressions, and solving equations.

Fundamentals of Algebra B (Grade 10)

Prerequisite: Fundamentals of Algebra A

Year Course - 2 Credits

Fundamentals of Algebra B is a year long course which is a continuation of Fundamentals of Algebra A. Topics include expressions, equations, powers, graphing, statistics, probability, right-triangle relationships, systems of equations, and other related topics. Students registering for Fundamentals of Algebra B should have a basic understanding of integers, expressions, and equations.

Algebra I (Grades 8, 9, 10, 11, 12)

Year Course - 2 Credits

Algebra I is the first of the abstract math courses. It is designed for all students planning to take further high school math courses, or anyone planning further education beyond high school. A solid background in basic math skills is important for students planning to take Algebra I. The primary emphases of Algebra I are solving algebraic equations (1 and 2 variables and quadratics), using formulas and developing problem solving techniques. A successful student should receive the necessary background to take higher level math courses. Students registering for Algebra I should pay careful attention to the prerequisites listed.

Algebra II (Grades 9, 10, 11, 12)

Prerequisite: Algebra I and Pre or Corequisite: Geometry

Recommended "C" or better in Algebra I

Year Course - 2 Credits

Algebra I structure and properties of real numbers are reviewed and extended. Problem-solving techniques continue to be developed and more applications are introduced. Algebra II is a foundation course for higher level mathematics. Mastery is necessary before proceeding to higher levels. Although Algebra I topics will be reviewed, students registering for Algebra II should have a solid Algebra I background.

Honors Algebra II (Grades 9, 10, 11, 12)

Prerequisite: Algebra I and Pre or Corequisite: Geometry

Recommended B+ or better in Algebra I

Year Course - 2 Credits

This Algebra II course is more rigorous, has more depth and contains more extensions of the material than the basic Algebra II course. Students who register for an accelerated course should be well prepared and motivated.

Geometry (Grades 10, 11, 12)

Prerequisite: Algebra I
Year Course - 2 Credits

This course is primarily a study of two and three dimensional Euclidean geometry and is considered to be a college prep course. Algebraic problem solving skills are applied to geometric concepts. Concepts of logic, mathematical properties, geometric postulates and theorems are introduced and used in geometric proofs. Applications of concepts such as similarity, area, volume and basic trigonometry are covered. Coordinate geometry is introduced and transformational geometry may also be included.

Honors Geometry (Grades 8, 9, 10, 11)

Prerequisite-Algebra I
Recommended B+ or above in Algebra I or teacher recommendation
Year Course – 2 Credits

The Geometry course is more fast-paced, rigorous, and is taught in a “discovery” approach. Students who register for this course should be highly motivated and well prepared.

Pre-Calculus (Grades 11, 12)

Prerequisite: Algebra II and Geometry
Year Course - 2 Credits

This course includes a review of algebra concepts with exponential and fractional work needed in upper level mathematics courses. Geometry and algebra are combined under the concept of analytical geometry and extensively dealt with, but the main thrust of the course work deals with trigonometry. Logarithms, vectors and matrices are also introduced. The content of the class is a basic pre-calculus course and can be applied as a review for college algebra.

Honors Pre-Calculus (Grades 11, 12)

Prerequisite: Algebra II or Accelerated Algebra II and Geometry
Year Course - 2 Credits

This Pre-Calculus course is more rigorous, has more depth and contains more extensions of the material than the basic Pre-Calculus course. Students who register for an Accelerated Course should be well-prepared and motivated.

Probability/Statistics (Grades 11, 12)

Prerequisite: Algebra II
Recommended: B or better in Algebra II
Semester Course - 1 Credit

Probability/Statistics is a math elective that will use the application of math and logical reasoning to enable students to interpret quantitative information in ways commonly used in technical and business situations.

Calculus I (Grade 12)

Prerequisite: Pre-Calculus
Year Course - 2 Credits

Calculus I starts with a review of algebra and trigonometry. The concept of limit is introduced with emphasis on methods of finding limits. Limit is used to define differentiation. Techniques of differentiation follow, with applications. Limit is then used to introduce integration. Techniques of integration are studied. Applications of integration round out the course. Calculus I is approximately 2 semesters of college calculus with the emphasis on computation and some theoretical discussion. Semester tests are used as a grading tool and are important to the development of the discipline necessary for success in college.

Independent Study in Mathematics (Grade 12)

Semester Course – 1 Credit
Class is Pass/Fail

Independent study in mathematics is for the student that has completed high school calculus and is looking to continue their studies in mathematics. You must have the recommendation of the math department to register for this class. An individual program of study will be designed at the beginning of the year. This program must be satisfactorily completed to pass the course.

SCIENCE

Earth Science (Grade 9)

Year Course - 2 Credits

Earth Science is a “hands-on, laboratory type” class with the earth being the focal point. This course includes the basic science of astronomy, meteorology, geology, and oceanography. This earth science course makes use of many areas of science such as the latest technology, problem-solving skills, critical thinking, the use of process, as well as evaluating and drawing conclusions. The intent is to get students to field a question, take measurements, evaluate the information, and determine the solution. Calculators are required.

Introduction to Biology (Grades 10, 11, 12)

Year Course - 2 Credits

This course will begin with the students' understanding of the basic fundamental concepts of biology. From this initial understanding, the students will become aware of the progression from

cells to protists to animals and finally to man. The student will become aware of the interrelationships of living things and its significance to man. Laboratory experiences are stressed with students working in teams of two.

Biology I (Grades 10, 11, 12)

Year Course – 2 Credits

This course is designed as an intense survey of Biology Principles to prepare students for college. Areas of study will include: Physical and chemical properties of life, cellular organization and function, the transfer of energy through metabolic systems, cellular reproduction, the classification of living things, and five of the six kingdoms will be examined.

Biology II (Grades 11, 12)

Prerequisite: Successful completion of Biology I

Year Course - 2 Credits

The course is designed for those students who wish to pursue careers in a biological related field. The offering of the course will be student oriented. These offerings will probably include areas of studies in human anatomy and physiology, microbiology, genetics, and botany. Individual projects that will require research and practical laboratory experience will be a requirement for each semester.

Physics (Grade 12)

Prerequisite: Successful completion of Algebra II and concurrent enrollment in Geometry or petition to the instructor

Year Course - 2 Credits

An analytical laboratory and problem-solving course related to the physical sciences for college preparation. Topics include kinematics, conservation of energy, conservation of momentum, gas laws, electricity, light, physical optics, magnetism, and sound. Along with the topics there will be a yearlong unit on High Performance Rocketry that will serve as an application of the topics covered in this course. To cover the expenses involved with the rocket unit, a fee will be collected each semester of approximately \$10 for the first semester and \$35-50 for the second semester.

Introduction to Chemistry (Grades 10, 11, 12)

Year Course – 2 Credits

A qualitative introduction of general chemistry. Topics include measurement and calculations involving measurement, properties of common materials, atomic theories, atomic structure, periodicity, chemical bonds, chemical reactions, stoichiometry, solutions, and acids and bases. Introduction to Chemistry is meant as an offering for students interested in careers in health, agriculture, or other related fields. A strong math background is recommended.

Chemistry (Grades 11, 12)

Prerequisite: Successful completion of Algebra II and concurrent enrollment in Geometry or petition to the instructor
Year Course - 2 Credits

A quantitative laboratory and problem-solving course emphasizing general principles applied to organic and inorganic chemistry. Extensive academic preparation for students interested in preparing for career fields in agriculture, medicine, nutrition, physical sciences, and engineering. Safety, laboratory techniques, instrumental measurement, matter and measurement, atomic and molecular theory, stoichiometry, acid-base analysis, and quantum theories are general topics investigated. Projects and individual research are emphasized with formal, written presentations of observed and calculated results. The course is taught during two periods per day.

Ecology (Grades 11, 12)

Semester Course - 1 Credit

This science class is designed for the science or non-science student. The course will cover the nature of man's environment and the numerous problems that must be solved in the next twenty to fifty years. The class will include a text, numerous films, reports, and some field trips.

Health Occupations – HSC:109 (Grades 11, 12)

Semester Course - 2 Credits

DMACC Credit Course – must fill out DMACC paperwork

Limit 20 students

Health Occupations provides students with preparation in the skills, attitudes, and knowledge necessary for future successful employment and/or further education in the healthcare field. The program is designed to stimulate the students' interest in the health field and to help them prepare for job opportunities within the healthcare team. The curriculum will consist of independent study, classroom instruction, individual research, practice of technical skills, job shadowing, and volunteerism. This will provide a strong general foundation in the basics of healthcare; the healthcare delivery system, , and ethical and legal parameters. The course will be taught during two periods per day.

Pet and Vet Science (Grades 10, 11, 12)

Prerequisite-Intro to Contemporary Agriculture or Intro to Biology or Biology I or Instructor Permission
Semester Course – 1 Science Credit

Taught within the context of the agricultural pathway of animal systems, this course will introduce students to the basic fundamental concepts of biology found in the veterinary and pet sciences area. Students will apply their biological knowledge of cells to animal growth and nutrition, reproduction, genetics and diseases to the care and management of pets and livestock found in today's agriculture. This class will meet 1 Credit of CHS Science requirement but does not meet NCAA requirement.

Agronomic Science (Grades 10, 11, 12)

Prerequisite-Intro to Contemporary Agriculture or Intro to Biology
or Biology I or Instructor Permission
Semester Course – 1 Science Credit

Taught within the context of the agricultural pathway of plant systems, this course will introduce students to the basic fundamental concepts of biology found in the area of agronomy. Students will apply their biological knowledge of cells to plant growth and nutrition, reproduction, genetics and diseases to the management of the crops and plants found in today's agriculture. This class will meet 1 Credit of CHS Science requirement but does not meet NCAA requirement.

Agriscience/Natural Resources Internship (Grade 12)
Semester Course - 2 Credits

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

Health Services Internship (Grade 12)
Semester Course - 2 Credits

Student internships are situations where juniors or seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their senior year schedule or their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

AGRICULTURE EDUCATION

NOTE: Agriculture education courses will be taught at an off-campus site by a CHS teacher and shared with Kuemper high school students. Students will need to allow an additional period for travel to most of these classes. Students will be responsible for FFA dues.

Introduction to Contemporary Agriculture (Grades 9, 10, 11, 12)
Semester Course - 1 Credit

This is an introductory course designed for any student wishing to gain a general background in the world's largest industry—agriculture. Students will gain insight into the skills and career

opportunities in the various areas of agriculture. Emphasis will include learning experiences in animal science, wildlife management, and agribusiness. Students will learn through hands-on experience, field trips, and interviews, as well as various classroom and laboratory exercises. Students will also learn leadership skills through an introduction to the FFA and supervised agriculture experience program.

Students taking this course will have the opportunity to earn credit at various surrounding community college institutions.

Agriculture Business Management (Grades 11, 12)

Year Course - 2 Credits

DMACC Credit Course – must fill out DMACC paperwork

Students interested in gaining knowledge and skills in the area of farm or business management will benefit most from this advanced semester course. Learning opportunities will concentrate on the areas of credit, money management, marketing, tax and business planning, and business evaluation. Students will apply these business principles to the operation of a farm or an agribusiness through a simulated ag activity.

Students taking this course will have the opportunity to earn credit at various surrounding community college institutions.

Agriculture Power Mechanics (Grades 10, 11, 12)

Semester Course - 2 Credits

The focus of this advanced course will be on skill development in the area of power mechanics. Student learning will concentrate on the fundamentals of power with laboratory experience making up the majority of the course.

Students will overhaul a small gas engine and do basic preventive maintenance on other agriculture machinery. This course is designed for juniors and seniors.

Students taking this course will have the opportunity to earn credit at various surrounding community college institutions.

Agriculture Sales and Marketing (Grades 10, 11, 12)

Semester Course - 1 Credit

Ag Sales & Marketing is a course designed for upper level students interested in the many career opportunities in the largest occupational area of the agriculture industry. This course concentrates on developing skills and knowledge in agricultural sales techniques, advertising, personnel management, interviewing, computer networking, and cooperatives. Students will acquire competencies to be applied to real life situations in agriculture sales and marketing occupations.

Students taking this course will have the opportunity to earn credit at various surrounding community college institutions.

Ag Metals and Welding (Grades 10, 11, 12)

Block Format
Semester Course - 2 Credits
Maximum Class Size - 16

The focus of this course will be on skills development in the area of basic metallurgy. In-depth hands-on work will assist the students in becoming more aware of the various welding processes, machines, materials, terminology, and safety. The students will do reading, written work, math, print reading, tests, and weld job sheets. The student will also be required to complete a minimum of one major welding project. Units of instruction will include fundamentals of welding (FW), oxyacetylene welding (OAW), shielded metal arc welding (SMAW), and gas metal arc welding (GMAW).

Advanced Animal Science (Grades 11, 12)

Semester Course - 2 Credits
Option for dual enrollment at DMACC

The focus of this course is to develop management skills. In-depth coverage of livestock and small animal management, marketing, decision making and problem solving will give students a working knowledge of production agriculture to increase profitability and efficiency. Emphasis will be placed on the impact on production agriculture of federal and state regulations and policy as well as the relationships between international and domestic agriculture production, trade, and development. Students will be involved with hands-on activities involving an aquaculture lab.

Students taking this course will have the opportunity to earn credit at various surrounding community college institutions.

Wildlife & Fisheries Management (Grades 10, 11, 12)

Semester Course - 1 Credit

This course provides broad and diverse study of wildlife habitats, characteristics, natural resources, water quality and forest management and preservation. This upper level semester course emphasizes the development of knowledge and skills through hands-on activities in hunter safety, wildlife and fisheries management, tree identification, and the use and managing of public lands for wildlife and forestry. An ongoing class project involves the staff at Swan Lake and the use of their property, as well as the Ag Ed Department aquaculture lab and the Ag Ed land lab.

Fall Horticulture (Grades 10, 11, 12)

Semester Course – 2 Credits
Block Format

This course is offered each fall to any student interested in gaining knowledge and skills in the many areas of horticulture. Instruction will be provided in basic plant science including plant propagation and production, greenhouse management, turf management, hydroponics, bonsai, and a fall container grown plant crop (poinsettias). Students will also implement a horticultural business plan for the sale and marketing of crops produced in the greenhouse. Students will apply knowledge and skills in real life situations at the Agriculture Education Department's greenhouse facilities and other work sites by testing theory through practice in varied settings in the Carroll Area.

This course may be taken in conjunction with Landscape Design and Implementation or as a stand-alone course. Students taking this course may have the opportunity to earn credit at area community colleges through articulation agreements. Contact the instructor for details.

Landscape Design and Implementation (Grades 10, 11, 12)
Semester Course – 2 Credits
Block Format

Taught within the context of the agricultural pathway of plant systems, this course will introduce students to the basic fundamental concepts of biology found in the area of horticulture. Students will apply their biological knowledge found in the area of horticulture. Students will apply their biological knowledge of cells to plant growth and nutrition, reproduction, genetics and diseases to the design, implementation and arrangement of modern landscapes found in today's agriculture.

This course may be taken in conjunction with Fall Horticulture or as a stand-alone course. Students taking this course may have the opportunity to earn credit at area community colleges through articulation agreements. Contact the instructor for details.

Agriscience/Natural Resources Internship (Grade 12)
Semester Course - 2 Credits

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

BUSINESS EDUCATION

NOTE: A computer class is required for graduation

Advanced Level Classes – Must have solid keyboarding skills and database/spreadsheet skills.

General Business (Grades 9, 10, 11, 12)

Year Course - 2 Credits

The primary aim of this course is to give students an understanding of the component parts of the economic structure in general and of the business enterprise in particular. The relationships among the functions of business such as buying, banking, and credit and the various processes by which these functions serve consumers constitute the subject matter of this course. This class is considered to be an introduction to business and is recommended as a prerequisite to further advanced vocational study. It is recommended for any student, regardless of ability, as a helpful course for adult living. Students will work with a variety of work-experience simulations.

Business Law (Grades 11, 12)

Semester Course -1 Credit

Business Law is a personal-use course which focuses on the legal environment and laws that govern society. The student will learn how to avoid legal difficulties through an understanding and appreciation of the legal systems. The background of law will be explored, which will lead to basic units of criminal law and our court system. We will cover the legal problems which are prevalent in today's society as well as the legislation that governs these situations. Students will develop an understanding of contract and consumer laws that will affect their daily life. Students will use current newspaper articles, internet sites, and magazine readings to supplement their textbook units. Tests will be a combination of short-answer essay, objective, and vocabulary.

Accounting I (Grades 11, 12)

This course could be articulated for college credit

Year Course - 2 Credits

The accounting cycle is presented in a logical manner, beginning with simple principles and procedures, and progressing to the more difficult problems. The study of accounting helps a student to prepare for his/her personal future by understanding the basics of income and expenses, using banking services, paying income taxes and sales taxes, and using credit for buying. This curriculum provides a valuable foundation for the student planning further study in the area of business at the post-secondary level; in addition, it provides a basic understanding of accounting principles for students to use in their daily lives. Students will use accounting ledgers and forms in applying these principles. Business simulations, providing realistic business experiences, will be completed during the course. Automated accounting will be introduced through the use of computers to complete some of the solutions to chapter problems. This course is highly recommended to anyone who will choose any type of business major in a college or business school.

Accounting II (Grade 12)

Prerequisite: Accounting I

This course could be articulated for college credit

Year Course - 2 Credits

Accounting II is primarily for students with career objectives focused on the accounting profession. The course is designed for students who (1) want an accounting position upon graduation, or (2) want to attend college and major in accounting or another business field. The automated accounting cycle is introduced in this book so that each student will be doing some problems on computers. Business simulations are provided which provide realistic accounting experiences. If you plan on going into any field of business at a college or business school, this course is highly recommended.

Marketing (Grades 11, 12)

Semester Course - 1 Credit

Students will explore new and improved marketing trends for products and services. The student, as a consumer and potential entrepreneur, will be informed about the diversity of available products and the psychology involved in making them successful. Customer wants and needs, product development, advertising and promotion, and distribution of products and services will be covered. There will be a focus on the wide range of social and economic responsibilities that accompany the right to engage in marketing. A business plan may be developed by students which incorporates the strategies covered in class. Students will use current readings, internet sources, and market information in addition to the textbook curriculum. Tests will be short answer, objective, and essay questions.

Personal Finance (Grades 11, 12)

Semester Course – 1 Credit

Personal Finance is a basic course leading towards effective money management. Decision-making and problem solving skills in consumer education will be emphasized. Units include personal money management, banking services, consumer and installment credit, personal savings and investments, real estate alternatives, insurance, federal and states taxes, and consumer product awareness. Internet resources and current readings will be used as resources. Tests include short answer, objective, and essay type questions. Highly recommended for all students!

Introduction to Technology (Grades 9, 10, 11, 12)

Recommended for the 9th Grade Level

Semester Course – 1 Credit

Requires approval of Counselor/Administrator

This class would fulfill the computer requirement for graduation.

The primary focus of this course is to assist non-college bound students with their computer class requirement for graduation. The course includes “entry-level” technology skills such as word processing, keyboarding, Internet searching, PowerPoint, spreadsheet, database, and basic computer knowledge and terminology. Students will be required to do summaries of current technology articles. Class size will be limited and students will receive extra assistance in meeting the goals of this class. Extra lab time will be necessary if classes are missed or if a student needs extra time to complete work. Assessment will be based on projects, class work, and objective tests. Current technology articles will be used to focus students on the innovations

and importance of computers in our world. (Students taking this class will not take Computer Literacy).

Computer Literacy (Grades 9, 10, 11, 12)

Semester Course – 1 Credit

This class would fulfill the computer requirement for graduation.

This is a general technology course. The topics covered in this course will include word processing skills, expanding spreadsheet skills to include graphs, database, PowerPoint, and computer knowledge and terminology. Students will read and summarize current computer technology articles. Grades will be based on student projects, class work and tests. (A student who previously passed Introduction to Technology would not be taking this class).

Desktop Publishing and Web Page Design (Grades 10, 11, 12)

Semester Course – 1 Credit

ADVANCED LEVEL COURSE

This class would fulfill the computer requirement for graduation.

Students are expected to have good keyboarding, word processing, database, and spreadsheet skills before registering for this class (not a beginning level). One quarter will be devoted to desktop publishing and one quarter to web design. DTP students will create flyers, programs, ads, catalog pages, invitations, letterheads, brochures, menus, etc. Web Design unit will include web page planning and design, HTML, CLARIS HomePage, and other web authoring tools.

Computer Applications (Grades 10, 11, 12)

Semester Course – 1 Credit

ADVANCED LEVEL COURSE

This class would fulfill the computer requirement for graduation.

This course is an upper level class for students who are beyond the basic technology class and wish to expand their basic skills and explore other applications. In this course students will create multipage brochures and programs, create business cards, create reports that contain charts and graphs. Students will create multimedia presentations and web pages that will display their presentations. Computer Applications class is an advanced version of basic computer classes. Students are expected to have solid keyboarding skills and a good understanding of basic word processing, database, spreadsheet, and presentation skills. Topics to be covered will include: integration of database and spreadsheet information into text documents, charts and graphing, general graphic and scanning skills, presentation skills, general web design, a multimedia unit, and other business-related programs. An electronic portfolio will be created which includes a sampling of projects that the student has successfully completed. In addition, students will need to be able to integrate a variety of programs in order to effectively create their portfolio. Students will be expected to use extra lab time if they are absent or need extra time

Internship I - Student Technician (Grades 10, 11, 12)

Semester Course - 1 Credit

This class would fulfill the computer requirement for graduation.

The student technician program is open to any student that demonstrates higher-level technology skills, is trustworthy, and willing to work with other students and staff in improving their technology skills. This is a one credit independent study course with time outside of scheduled class expected. Additional course information can be found on the technology web page. *Technology director's and building principals permission required.*

Prerequisites

- Student must be able to demonstrate technology skills such as web page design, word processing skills, etc. Completion in good standing of the following courses would satisfy this requirement: Computer Literacy, Technology Foundations, Advanced Technology.
- Student must be very trustworthy and reliable.
- Student must be able to command the respect of other peers.
- Student will provide two written personal recommendations from staff. The recommendations must focus on the student's level of responsibility and trustworthiness and how the student interacts with staff and peers.
- Student must have at least one study hall available for technology work and occasional time after school for training and help sessions.

Task/Description

- Monitor the computer lab during open periods
- Assist visiting classes with computer problems
- Assist student with computer problems
- Maintain printers for student, staff and class use
- Assist students with learning technology problems
- Repair damaged disks
- Recover lost files
- Convert data to appropriate applications
- Work with WebMaster Club
- Teach web page design to members
- Check and verify links on submitted pages
- Upload approved pages to web server

Internship II - Technology Internship (Grades 11, 12)

Semester class - 2 Credits

This class would fulfill the computer requirement for graduation.

Our student technology internship program is a two credit course for juniors and seniors interested in technology. Working alongside the District Technology Coordinator, students learn the various aspects of technology planning and support. Application for the position is done through the Technology Coordinator. Availability of the program is dependent on the skills of the applicant, approval of the Technology Coordinator, building principal, and time slot/period convenience.

Skills that are developed include:

- Checking in new equipment, label and tag (inventory) the equipment

- Set up new equipment which includes hardware installation, software installation, and network settings.
- Deliver equipment to staff and train staff in basic use of the equipment
- Diagnose and repair damaged equipment
- Pull network wire to room, install plugs and jacks, and test
- Record daily work in the form of a "job ticket" or "work order"
- Assist students with defective disks and printing problems

Note: Most interns start by working with the Technology Coordinator and current Technology Interns during free periods their freshman and sophomore years or by completing the student technician class.

Computer Graphic Design (Grades 10, 11, 12) – Level II

Semester Course – 1 Credit

This class would fulfill the computer requirement for graduation.

This course is designed to provide a working knowledge and fluency of computer image editing programs. Creative thinking, problem-solving, cooperative learning, and marketing skills are major components of this course. Student will learn to manipulate images that would be presentable in advertising, magazines and other public showings. Projects will include such tasks as letterhead design, CD packaging, magazine covers, and photographic enhancements.

Computer Programming (Grades 11, 12)

Semester Course – 1 Credit

This class would fulfill the computer requirement for graduation.

Students are expected to have solid keyboarding skills and have taken Algebra II. The course is designed to teach the student problem-solving skills, logic and reasoning through the use of structured programming. Students will develop the steps necessary to solve a problem, chart the solution, enter it into the computer and test their solution. The BASIC programming language will be used. Grading will be based on tests and completed programs.

Multi Media (Grades 10, 11, 12)

Prerequisite: Computer Graphic Design

Semester Course – 1 Credit

This class would fulfill the computer requirement for graduation.

This is an upper-level technology course for students who are interested in podcasting, incorporating iWeb, digital photography, and iMovie.

Business/Information Management/Marketing Internship (Grades 12)

Semester Course - 2 Credits

This class would fulfill the computer requirement for graduation.

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career

interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

FAMILY AND CONSUMER SCIENCE

Family and Consumer Science (Grades 9, 10)

Year Course - 2 Credits

A comprehensive program of study for the first year student of the family and consumer science department in high school that will provide the student with an adequate background in areas of family and consumer science and create possible interest for further study of a particular area. The areas covered are: child development, personal development, clothing, relationships, food & nutrition, and interior design.

Clothing I (Grades 9, 10, 11, 12)

Offered in the fall only

Semester Course - 1 Credit

A semester elective for all students interested in the clothing field. Study focuses on clothing selection and wardrobe planning, fibers and fabrics, basic construction skills, and clothing care.

Clothing II (Grades 10, 11, 12)

Prerequisite: Clothing I

(Offered in the spring only)

Semester Course -1 Credit

A semester elective for sophomores to seniors focusing on the clothing industry. Units studied will include merchandising, advertising in the clothing field as well as the design aspect of the fashion market. Students are responsible for planning and presenting the spring style show. A weekend trip to Chicago to tour the fashion industry is also taken.

Foods & Nutrition (I & II) (Grades 10, 11, 12)

This course could be articulated for college credit

Semester Course -2 Credits

Foods and Nutrition is a semester course for two credits. Basic nutrition is stressed as an individual unit and also is studied as it pertains to each type of food. Individual eating habits are

evaluated. Units studied are fruits and vegetables, milk and cheese, meat, fish, poultry, eggs, pastries and cakes, and meal preparation.

Restaurant (Foods III) (Grades 11, 12)

Prerequisite: Foods & Nutrition (I & II)

(Offered in the spring only)

This course could be articulated for college credit

Semester Course - 2 Credits

Students apply principles of nutrition and meal planning as they plan, prepare, and serve meals at the student-run restaurant.

Food Science (Grades 10, 11, 12)

Semester Course - 1 Credit

This course allows students to learn about the physical and chemical changes that occur during the processing, packaging, and preservation of foods, and the many careers in this area. Through hands-on experience, students learn to apply the principles of chemistry, biology, physics, nutrition, and psychology to their everyday lives.

Child Development and Parenting (Grades 11, 12)

This course could be articulated for college credit

Year Course - 2 Credits

This course involves an in-depth study of conception, pregnancy, childbirth, and development of children from birth to age 6. Students in this course will be actively involved with children through work at the day care center.

Family Living (Grades 11, 12)

Semester Course - 1 Credit

Family Living is a semester elective open to juniors and seniors. This course emphasizes the decision-making process as it applies to family life. Units studied include communication, personal development, love, dating, marriage, sexuality, parenting, and decision-making with family finances. The computerized simulation babies are used in this course to enhance student understanding of parenting responsibilities.

Family/Human Services Internship (Grade 12)

Semester Course - 2 Credits

Student internships are situations where juniors or seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their senior year schedule or their graduation plans. The student will

be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

Health Services Internship (Grade 12)

Semester Course - 2 Credits

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

INDUSTRIAL TECHNOLOGY

Introduction to Industrial Technology (Grades 9, 10)

Year Course - 2 Credits

Maximum Class Size - 16

This course is designed to make the student aware of the processes, machines, terminology, materials, and safety used in the industrial/technical trades. Students will do reading, written work, drafting, math, problem solving, teamwork, tests, and hands-on projects in the areas of communication, transportation/energy/power, manufacturing, and construction.

Mechanical Drafting (Grades 10, 11, 12)

Semester Course-1 Credit

Maximum Class Size - 16

This course is designed for students interested in learning about the equipment, techniques, and terminology used in the engineering-related areas of industry. This course strictly involves pencil and paper drawing activities. Students anticipating entering post-secondary education in an engineering-related and/or manufacturing field should enroll in this course. This course is a prerequisite to Basic CAD and Architectural Drafting.

Basic CAD – CAD:125 (Grades 10, 11, 12)

Prerequisite: Mechanical Drafting

Semester Course - 1 Credit

DMACC Credit Course – must fill out DMACC paperwork

Maximum Class Size - 14

This computer-aided-drafting course gives the student the opportunity to use computers, software, and peripheral devices to create an image or drawing in the design and documentation

of an object. There is a definite relationship between the drafting areas and manufacturing areas of industry. Students anticipating entering post-secondary education in an engineering-related and/or manufacturing field should enroll in this course. This course is a prerequisite to Advanced CAD/CAM and Architectural Drafting.

Advanced CAD/CAM (Grade 12)

Prerequisite: Basic CAD

Semester Course - 1 Credit

Maximum Class Size - 14

This course is designed for students interested in broadening their skills in the drafting-related areas. Units of instruction will include a review of basic CAD techniques, computer numerical control (CNC) projects, and three-dimensional (3D) design work. There is a definite relationship between the drafting areas and manufacturing areas of industry. Student anticipating entering post-secondary education in an engineering-related and/or manufacturing field should enroll in this course.

Architectural Drafting (Grade12)

Prerequisite: Mechanical Drafting, Basic CAD

Semester Course – 1 Credit

Maximum Class Size - 14

This course is designed for students interested in broadening their skills in the drafting-related areas. Students will review drafting techniques used in Mechanical Drafting and Basic CAD and then work on the different aspects of architectural drafting. Computer-aided drafting will be used for most of the work in this course. Students anticipating entering post-secondary education in a construction and/or engineering-related field, or seeking a job in the construction trades should enroll in this course.

Cabinetmaking (Grades 10, 11, 12)

Semester Course – 1 Credit

Maximum Class Size - 14

This course is aimed at developing the student's ability to plan and produce cabinetry/furniture products. In-depth, hands-on-work makes the student more aware of woodworking processes, machines, materials, terminology, and safety. A minimum of one cabinetry/furniture project, with a door and/or drawer will be required for this course. (Besides the material fee, the student will be responsible for the project materials and expenses.)

Engineering/Industrial/Technological Science Internship (Grade 12)

Semester Course - 2 Credits

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial

compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the worksite for at least two periods, either the first two or the last two periods of the school day.

Electrical Technology (Grades 11, 12)

Semester Course – 2 Credits

BLOCK FORMAT

DMACC Credit Course – must fill out DMACC paperwork (6 Credits)

Electrical technology will focus on general electricity and motor control operations. During the electricity introduction, students will be introduced to voltage, amps, resistance, DC and AC, batteries, generators, and motors. The motor controls component will involve students using ladder diagrams and control devices to implement practical control systems.

Mechanical Technology (Grades 11, 12)

Semester Course – 2 Credits

BLOCK FORMAT

DMACC Credit Course – must fill out DMACC paperwork (6 Credits)

Mechanical technology will focus on hydraulics and pneumatics along with power transmissions. The basic principles of fluid power and the operation and application of fluid power components will be introduced during the hydraulics and pneumatics portion. Inspection, maintenance, and repair of chain and belt drive equipment will be discussed during the power transmission portion of the class.

Building Trades (Grade 12)

3 Credits – 3 Periods

BLOCK FORMAT

DMACC Credit Course – must fill out DMACC paperwork (5 Credits)

This course is designed for the student that may have an interest in the building trades. The course deals mainly with residential construction processes, machinery, materials, terminology, and safety. The course will involve written work, trade math, tests, teamwork, and hands-on project work. Any student anticipating entering a post-secondary education in the construction trades or seeking a job in the construction trades should enroll in this course. (This course can be taken for both high school and college credit.)

Auto I (Grades 11, 12) – Seniors will get priority

Semester Course – 2 Credits

BLOCK FORMAT

DMACC Credit Course – must fill out DMACC paperwork (6 Credits)

During the first quarter, students will be provided with instruction in the correct selection and use of mechanic's tools and precision measuring devices. Shop safety will be emphasized. During the second quarter, students will be instructed on the theory of operation and service procedures of automotive brakes.

Auto II (Grades 11, 12) – Seniors will get priority

Semester Course – 2 Credits

BLOCK FORMAT

Prerequisite: Auto I

DMACC Credit Course – must fill out DMACC paperwork (6 Credits)

During the first quarter, students will be provided instruction in the theory and operation of the four stroke automotive engine. Emphasis will be placed on cylinder head service and repair. During the second quarter, students will be provided instruction in the theory of operation and service procedures of automotive alignment and suspension systems.

MULTIPLE OCCUPATIONS

Multiple Occupations Cooperative (Grade 12)

Prerequisite: A formal personal application must be filed with the coordinator.

A formal interview will be held to be accepted into the program

A job during the school year is required.

Year Course - CLASS: 2 credits; JOB: 2 Credits

Multiple Occupations Cooperative (M.O.C.) is a course for senior students who would like to receive training to develop a good work ethic and leave with a recommendation for future careers. Classroom instruction includes all entry-level requirements for succeeding and progression on the job. Several units are devoted to developing a good work ethic and dealing with adult responsibilities in an effective way. On-the-job learning experiences are combined with school instruction. This course is intended for those interested in internships in their future career interest area (internships may be paid or non-paid positions). Apprenticeships are also available.

The course is divided into two sections: the classroom and on-the-job training.

Students will meet in the classroom one period each day.

In addition to the classroom sections, students also spend a minimum of 12 to 15 hours each week involved in on-the-job training. For this time, they receive a training wage agreed to between them and their employer.

Multiple Occupations Job Training (Grade 12)

Year Course - 2 Credits

This is the on-the-job portion of the Multiple Occupation Program. Students who register for Multiple Occupations Cooperative must register for this class also. Worksite may or may not be set up by the instructor. Students will fill out an application form and will be interviewed in the spring of the student's junior year prior to acceptance into the program.

FINE ARTS

Art I (Grades 9, 10, 11, 12)

Semester Course - 1 Credit

Recommended for any high school student wishing to learn the fundamentals of art appreciation, visual thinking, and techniques in design.

Art I involves creative thinking problems which demonstrate the facts of vision, historical and cultural appreciation, principles of composition, and the skills of the artist. The art elements and principles are applied to original design in various materials.

Drawing I (Grades 9, 10, 11, 12)

Prerequisite: Art I
Semester Course - 1 Credit

This is a studio class dealing with fundamental drawing problems and skills as well as contemporary approaches to drawing. Projects will cover various media subjects from nature, life, and the imagination, with emphasis on personal expression. A weekly sketchbook is required.

Painting I (Grades 9, 10, 11, 12)

Prerequisite: Art I
Semester Course - 1 Credit

An introduction to the materials and subject possibilities of painting with watercolors and acrylics. The emphasis is on construction, composition, paint handling, and color. The student will work with diversified subjects and styles in a search for a personal statement.

Clay I (Grades 9, 10, 11, 12)

Semester Course - 1 Credit

In Clay I, the student will be introduced to the clay media. The course provides an opportunity to learn the basic fundamentals and the uses of clay. This beginning course allows the student to become more aware and appreciative of clay forms and also how pottery is an expression of their inner selves. Experiences will involved the potters wheel, handbuilding techniques, glazing ware, and also the making of clay and glazes.

Clay II (Grades 9-(2nd Semester), 10, 11, 12)

Prerequisite: Clay I
Semester Course - 1 Credit

Clay II is designed to give students who already have an understanding of clay the opportunity to have a self-directed course of study in ceramic design and construction. This course allows the student the necessary encouragement to experiment and express themselves with a semi-disciplined and controlled direction. An emphasis will be toward gaining control of the media and also quality of craftsmanship.

Advanced Clay (Grades 10, 11, 12)

Prerequisite Clay I & Clay II
Semester Course - 1 Credit

The course is designed for those students who wish to pursue clay on a more intense and individual basis. The course allows the student to visualize creatively and carry out a project to its completion. The course will also challenge decision-making skills in attaining the desired clay form. In Advanced Clay, the student will continue to learn and experiment with pottery forms, glazing, and firing. Emphasis will be toward concentration on quality of form and design.

Independent Clay (Grades 11, 12)

Prerequisite Clay I, Clay II, & Advanced Clay - by permission only

Independent Clay is for the student that wishes to explore and to expand their own clay products to the fullest. They will be researching information on designs and techniques of various clay artists and incorporate that knowledge into quality clay forms of their own.

Fiber and Mixed Media (Grades 9, 10, 11, 12)

Prerequisite: Art I
Semester Course – 1 Credit

This course will now incorporate the use of fibers and/or mixed media to create 2 and 3 dimensional works. Areas of study include tie-die, batik, macramé and various sculptural media. Emphasis on design, color, as well as the other elements and principles of art is stressed.

Jewelry (Grades 9-(2nd Semester), 10, 11, 12)

Prerequisite: Art I
Semester Course - 1 Credit

The course is designed to acquaint the student with the basic fundamentals and techniques involved in jewelry production. Tool identification and jewelry terminology will be learned in conjunction with the construction and the casting of jewelry pieces. Jewelry students will incorporate different design principles to create a visually pleasing piece of art.

Photography I (Grades 10, 11, 12)

Prerequisite: Art I
Semester Course - 1 Credit

This course gives the beginning photography student the instruction necessary to master the basic skills of operating a 35 mm camera and using a darkroom to create photographic prints.

Emphasis is on creative black & white processes, special effects, and portrait sittings. Students will leave this class with a complete portfolio of the semester.

Photography II (Grades 11,12)

Prerequisite: Photography I
Semester Course - 1 Credit

Students in this class will explore advanced camera and darkroom techniques. Introduction of digital camera techniques will be covered. The emphasis will be on expanding the photocompositions to an advanced level suitable for portfolio presentations. Students will leave this class with a complete portfolio of the semester.

MUSIC

Band (Grades 9, 10, 11, 12) - Both semesters

Year Course - 2 Credits

Students will improve their technical proficiency, expand their musical knowledge, and enhance their musical appreciation through a curriculum which emphasizes comprehensive musicianship. The cultivation of appropriate performance and practice habits will be stressed through involvement in Marching Band, Concert Band, Pep Band, small ensembles, solos, and lessons. Attendance at all such events is mandatory. Optional activities include clinics, All-State auditions and Honor Bands.

Jazz Band (Grades 9, 10, 11, 12)

Prerequisite: Band/Audition
Year Course – 1 Credit
Class meets mornings

This group will be chosen by audition from the Band and will meet on Tuesday and Friday mornings. This is a small ensemble of 20 members. This group will perform a variety of music involving swing, latin, popular, and rock and an emphasis on performance will be stressed. They will perform for major concerts, State contest, community organizations and other contests at the discretion of the director. Rehearsal outside of the school day is required. Attendance at all rehearsals and performances is mandatory.

Music Theory and Composition I & II (Grades 9, 10, 11, 12)

Prerequisite: Consent of Instructor

Class meets outside of the school day as arranged by the class members and the instructor
Semester Course - 1/2 Credit

This course is designed to nurture students' present interest in music and the foundations of music theory, including arranging, orchestration, and composition. Emphasis will be placed on a basic understanding of traditional theory, principles of voice leading, and harmonic progression. Attention will also be given to basic knowledge of music history and ear training skills that are fundamental to the further study of music beyond the secondary level.

Chorus 10-12 Chamber Chorale (Grades 10, 11, 12)

Prerequisite: Audition Required
Year Course - 2 Credits/Counts toward GPA

The Chamber Chorale will meet Monday, Wednesday, and Friday and is open to students who show evidence of musical talent and have considerable training in vocal music. Students must be able to sight-read, produce a good vocal tone, and accept various responsibilities in connection with public performances, trips, and contests. Private instruction is available. This group will perform three to four major programs a year with literature varying from classical to contemporary and languages such as Latin, German, and Italian. The Chamber Chorale will attend State Large Group Contest with opportunities at State Solo/Ensemble Contest and other events throughout the year. Attendance at all events is mandatory. Students not meeting the above expectations will be scheduled into Chorus 10-12 Concert.

Chorus 10-12 Select Choir (Grades 10, 11, 12)

Prerequisite: Chamber Chorale/Audition
Year Course – No Credit

This group will be chosen by audition from the Chamber Chorale and will meet on Tuesday and Thursday opposite Chamber Chorale. This is a small ensemble of no more than 44 singers. This group will perform a variety of music involving rock, swing, Broadway, and pop as an emphasis on performance will be stressed. They will perform for all major concerts, state contest, community organizations, and other contests and events at the discretion of the director. More difficult and challenging music and choreography will be taught. Rehearsal outside of the school day may be required. Attendance at all performances is mandatory.

Chorus 10-12 Concert Choir (Grades 10, 11, 12)

Year Course - 2 Credits/Counts toward GPA

The Concert Choir will meet Monday, Wednesday, and Friday, and is open to students who show an interest and some degree of talent in vocal music. Emphasis will be placed on sight-reading, ear training, and production of a good vocal tone. Private instruction is available. This group will perform three to four major programs a year with literature varying from classical to contemporary and languages such as Latin, German, and Italian. The Concert Choir will attend State Large Group Contest with opportunities at State Solo/Ensemble Contest and other events throughout the year. Attendance at all performances is mandatory.

Chorus 10-12 Sensations Choir (Grades 10, 11, 12)

Prerequisite: Concert Choir
Year Course - No Credit

This group will be chosen by audition from the Concert Choir and will meet on Tuesday and Thursday opposite Concert Choir. This is a small ensemble of no more than 40 singers. Students must be a member of the Concert Choir. Introductory choreography will be taught. This group will perform a variety of music including rock, swing, Broadway, and pop. They will perform

for all major programs, State Contest, community organizations, and other contests and events at the discretion of the director. Rehearsals outside of the school day may be required. Attendance at all performances is mandatory.

Chorus 9 Choir (Grade 9)

Year Course - 2 Credits/Counts toward GPA

The Freshman Choir will meet daily, and is open to all interested students. Emphasis on choral and vocal quality will be stressed as well as reinforcing basic musical knowledge. Private instruction is available. This group will perform three to four major programs a year with literature varying from classical to contemporary and languages such as Latin, German, and Italian. Freshman Choir will attend State Large Group Contest with opportunities at State Solo/Ensemble Contest and other events throughout the year. Attendance at all events is mandatory. Units throughout the year will be explored covering the different aspects of show choir. Music covered will vary from rock, pop, Broadway and swing. Introductory choreography/movement will be taught.

Arts & Communications Internship (Grade 12)

Semester Course – 2 Credits

Student internships are situations where seniors work for an employer for a specified period of time to learn about a particular industry or occupation to develop specific skills in this career interest area. Students' workplace activities may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. These may or may not include financial compensation. Through this first-hand experience, the student will be able to develop definite career planning for their graduation plans. The student will be on the workplace for at least two periods, either the first two or the last two periods of the school day. This is a semester course for which the student will receive two credits.

GIFTED AND TALENTED

Gifted and Talented (Grades 9, 10, 11, 12)

Prerequisite: Previously identified as gifted or consent of the instructor

Year Course - 2 Credits

This course is designed to assist students to become independent thinkers and self-directed learners by participating in both group and individual activities. Students will experience a unique opportunity to pursue areas of interest based on a personal choice of topics and areas of research.

PHYSICAL EDUCATION

Physical Education (Grades 9, 10, 11, 12)

Semester Course - 1 Credit

Students are required to take one semester of Physical Education each school year. All classes are co-educational. Various sports and activities are offered. Class meets Monday through Friday.

Elective Physical Education (Grades 9, 10, 11, 12)

Semester Course – 1 Credit

Students may elect to sign-up for a second semester of Physical Education. Students will be enrolled in Physical Education if class size permits. Class meets Monday through Friday.

Special & Adaptive Physical Education (Grades 9, 10, 11, 12)

Semester Course - 1 Credit

In this class, diseases and illnesses that incapacitate students are explored. Students will work with students that are physically and mentally challenged.

Health (Grades 9, 10, 11, 12)

Year Course - 2 Credits

Health is a general living and lifestyle information course. The class will study (over the course of a year); self-esteem and decision making, interpersonal relationships, human sexuality from dating through childbirth, family life and parenting skills, sex stereotypes, sexually transmitted diseases, substance abuse, suicide prevention, stress management, nutrition, and lifetime fitness.

Sports in Society (Grades 9, 10, 11, 12)

Semester Course - 1 Credit

(5 days per week)

This course will study various sports and recreations in our world. The history, rules, and strategy of many different games will be explored. Students will use both the classroom and activity area for this class. Class meets Monday through Friday.

Personal Fitness (Grades 9, 10, 11, 12)

Semester Course -1 Credit

This class will meet Monday through Friday for the entire semester. For students interested in improving their overall physical fitness. Activities will include walking, jogging, pilates, introductory weightlifting, and using the Vertimax machine. Students will have an organized plan/program for each activity. Other areas to be covered include body fat testing, blood pressure checks, heart rate monitoring, racquetball and swimming. Class is limited to thirty students

Weightlifting (Grades 9, 10, 11, 12)

Semester Course – 1 Credit

This class is for students who are not out for sports and interested in becoming stronger. Weightlifting 3 times per week with plyometrics/pilates 2 times per week as well as use of the Vertimax machine. Other areas to be covered include diet, injury, and health related issues.

In-Season Weightlifting (Grades 9, 10, 11, 12)
Semester Course – 1 Credit

This class is for students who are participating in sports. Weightlifting 2-3 times per week depending on if they are out for a sport at the time. Plyometrics and pilates on alternate days as well as use of the Vertimax machine. Other topics to be covered are diet, injury, recovery from exercise, health benefits, and new issues.

SAFETY EDUCATION

Driver Education (Grades 9, 10)
Semester Course - 1 Credit
FEE: \$275.00

This consists of at least 30 hours of classroom instruction and six hours of behind-the-wheel experience. Students must have a learning permit. Students must have a permit before the first day of class. Students will be dropped if they do not have a permit on the first day of class. Fee must be paid within the first 3 days of class or student will be dropped from the class. Students must pass both the classroom and driving phases to successfully pass the course.

Any student who successfully completes the Driver Education course is eligible for an operator's license at the age of sixteen years.

SPECIAL EDUCATION

Resource/Workstudy English (Grammar, Literature, Writing)

Utilizing the computer as much as possible, emphasis is placed on writing and editing. Students are introduced to a variety of literature, including plays, short stories, and novels. Writing assignments are combined with the reading units, with emphasis on sentence, paragraph construction, grammar, spelling, and vocabulary.

Resource/Workstudy Literature

Students read all forms of short stories, novels, drama, poems and literary masterpieces. Films and videos of literature being read will be viewed.

Resource/Workstudy Speech

Students write and deliver various kinds of speech and drama. Students will develop poise, and self confidence, as well as ability to deliver concise and precise oral messages to the audience. Some students will be video taped for self evaluation.

Resource/Workstudy Math

Math is individualized to meet the needs of the student. There is great emphasis on mastery of basic math skills and then learning to apply those skills to daily living.

Resource/Workstudy United States History and Geography

Study of United States history and geography from the discovery of America to present day events. Emphasis will also be placed on state and local history and current events.

Resource/Workstudy World History

Study of world countries, culture and geography, including map study. A survey of early Greek and Roman civilizations.

Resource/Workstudy American Government

Study of local, state, and national levels of government.

Resource/Workstudy Science

Study of earth science, plant and animal life.

Resource/Workstudy Economics

Study of the American economic system.

Resource/Workstudy Math for Business

Teaches basic computational skills, calculator skills, and word problem skills.

Resource/Workstudy Math for Consumers (Life Skills)

Teaches application of important everyday math situations, paying taxes, buying food, etc.

Resource/Workstudy Earth Science

Basic science principles such as atoms, elements, fossils, and time zones are explained as well as instruction about the earth, moon, and stars.

Resource/Workstudy Physical Science

This class will cover properties of matter, the metric system, elements, compounds, electricity, and much more.

Resource/Workstudy Health

This class provides information on body systems, nutrition, and the nature of diseases and treatments, as well as personal decision-making.

Resource/Workstudy Biology

This class will cover the basic cell units of plants, animals, and the evolution of the species.

Resource/Workstudy Career Awareness I

The purpose of this class is to provide pre-vocational information.

Resource/Workstudy Career Awareness II

This class will build positive work attitudes and strengthen interpersonal communication skills on the job.

Resource/Workstudy I

This class will give necessary information for the student who is planning to enter the world of work.

Resource/Workstudy II

This class has been developed for students who are giving careful thought and study to the choice of a career and to planning for the future.

Resource/Work Experience

This class consists of on-the-job training experiences on job sites in the community for school credit.

Resource/Workstudy Introduction to Computers

An entry-level course designed to familiarize students with computer basics.

DMACC CLASSES

DMACC (Des Moines Area Community College) Classes (Grades 11, 12)

DMACC-Carroll Campus offers classes beyond those available at Carroll High School. If you are truly interested in something which is not offered in this Course Booklet, please talk to Mr. McCartan about opportunities which might be available.

**COURSE REQUIREMENTS FOR ADMISSION TO
IOWA REGENTS' UNIVERSITIES**

To Enter	The University of Northern Iowa	The University of Iowa	Iowa State University
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English	4 years, including one year of composition; may also include	4 years with an emphasis on the analysis and interpretation of literature,	4 years of English/language arts emphasizing writing, speaking,
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	one year of speech, communication, or journalism.	composition, and speech.	and reading, as well as an understanding and appreciation of literature.
Math	3 years, including one year of algebra and sequential courses of increasing or parallel levels of difficulty.	3 years, including two years of algebra and one year of geometry for admission to the College of Liberal Arts . 4 years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus) for admission to the College of Engineering .	3 years, including one year each of algebra, geometry, and advanced algebra.
Science	2 years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.	3 years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts . 3 years, including at least one year of chemistry and one year of physics for admission to the College of Engineering .	3 years, including one year each of courses from two of the following fields: biology, chemistry, and physics.
Social Studies	3 years, including courses in anthropology, economics, geography, government, history, psychology, or sociology. & Family and Consumer	3 years with U.S. and world history recommended for admission to the College of Liberal Arts . 2 years with U.S. and world history recommended for admission to the College of Engineering & Family and Consumer Sciences .	2 years, including one year of U.S. history and one semester of U.S. government for admission to the College of Agriculture, Business Administration, Design, Education, Engineering & Family and Consumer Sciences . 3 years, including one year of U.S. history and one semester of U.S. government for admission to the College of Sciences and Humanities .
Foreign Language	Foreign language courses are not required for admission to UNI. (These courses may be used to meet University graduation requirements)	2 years of one foreign language for admission to the College of Liberal Arts . 2 years of one foreign language. (Freshmen may be admitted to the College of Engineering on a conditional basis with an opportunity to complete two semesters of a foreign language at the University)	Foreign language courses are not required for admission to the College of Agriculture, Business Administration, Design, Education, Engineering & Family and Consumer Sciences . 2 years of a single foreign language for admission to the College of Science and Humanities .
Electives	2 years of additional courses from the required subject areas, foreign languages, or fine arts.	Elective courses are not required for admission to the University of Iowa.	Elective courses are not required for admission to Iowa State University.