

EAST DUBUQUE HIGH SCHOOL

Course Description Book

2011-12

TO: Parents/Guardians and Students

FROM: Mr. Darren Sirianni, Principal
East Dubuque High School

RE: Schedule Changes

This course description book has been written with the intent of assisting you in making informed choices regarding your academic course selections. If you have any questions or require additional information, please feel free to contact the guidance counselor, appropriate teacher, or me. Although every effort will be made to accommodate your class requests, courses with a registration count of fewer than twelve may be dropped for the school year at the discretion of the administration.

We ask that you take great care and deliberation in completing your schedule requests. Creating a master schedule is a time-consuming process. Based upon students' requests for courses, consideration is given to:

- The classes that we offer;
- The number of sections of each class;
- The balancing of students' schedules;
- The ordering of supplies;
- Teaching assignments.

For these reasons and others, students are responsible for the classes they request.

Schedule changes may only be requested for the following reasons:

1. To correct a computer or clerical error.
2. To make an ability level change as requested by a teacher.
3. Changes needed as a result of completion or failure of summer school courses.
4. Changes needed by seniors to satisfy graduation requirements.
5. Changes needed by seniors to satisfy college entrance requirements.

Students who choose to drop a class after the end of the previous semester for any reason other than those listed above will receive an F for the semester in that course. Students taking a year-long class may drop that class toward the end of the 1st semester and before the beginning of the 2nd semester only with the written consent of both the teacher and a parent/guardian.

Again, we ask that you take great care and deliberation in completing your schedule requests. If you have any questions after reviewing your course schedule, please sign up in the office to see the guidance counselor.

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REQUIREMENTS FOR GRADUATION

English Credits	Math Credits	Science Credits	Social Studies Credits	Physical Education Credits	Elective Credits (minimum)	Total Credits (minimum)	Graduation Service Hours
4 ½	3	2 ½	3	3	6	22	40

REQUIRED COURSES BY SUBJECT

English (4-1/2 years)

- 1 year English 9, English 9 Concepts, or English 9 Honors
- 1 year English 10, English 10 Concepts, or English 10 Honors
- 1 year English 11, English 11 Concepts, or English 11 Honors
- 1 year English 12, English 12 Concepts, or English 12 Honors
- 1 semester Speech (taken during the junior year)

Math (3 years)

- 1 year must be Algebra and 1 year must be a course that includes geometry content
- Courses include: Individualized Math, Pre-Algebra, Algebra 1, Algebra 1 Concepts, Geometry, Geometry Concepts, Algebra 2, Discrete Math, Pre-Calculus, and AP Calculus AB

Science (2-1/2 years)

- 1 year Physical Science or Physical Science Concepts
- 1 semester Health (taken during the freshman year)
- 1 year Biology or Biology Honors

Social Studies (3 years)

- 1 year World History or World History Concepts
- 1 year United States History or United States History Concepts
- 1 semester Government (taken during the senior year)
- 1 semester Consumer Education* (taken during the senior year)
- * Successful completion of *Introduction to Business* fulfills the state consumer education requirement.

Physical Education (6 semesters)

- 1 semester during the freshmen year; Health during the other semester
- 1 semester during the sophomore year; Driver's Education during the other semester
- 2 semesters during the junior and senior years

Elective Credits

- At least 1 year chosen from any of the following: art, music, foreign language, vocational education

Graduation Service

- 10 hours per school year

NOTE: Except for individualized classes, any course obtaining a registration count of fewer than twelve students may be dropped for the school year at the discretion of the administration.

OVERVIEW OF GRADUATION REQUIREMENTS

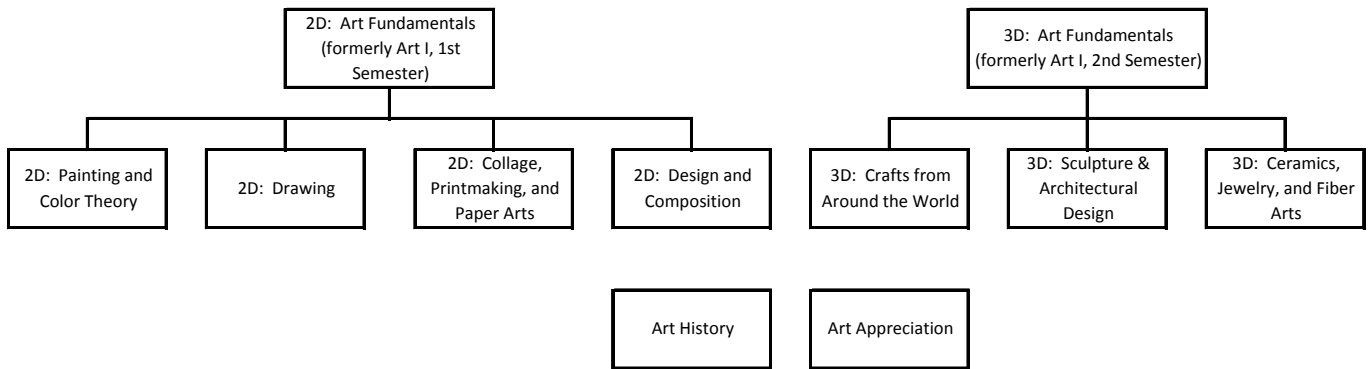
Total credits needed for graduation: 22
(A student will receive ½ credit for earning a passing grade in each semester course.)

Graduation service hours needed for graduation: 40

	FRESHMEN	SOPHOMORE	JUNIOR	SENIOR
English (4½ years)	English 9 English 9 Concepts English 9 Honors	English 10 English 10 Concepts English 10 Honors	English 11 English 11 Concepts English 11 Honors ----- Speech (1 semester)	English 12 English 12 Concepts English 12 Honors
Math (3 years)	Individualized Math Pre-Algebra Algebra 1 Geometry	Individualized Math Algebra 1 Concepts Algebra 1 Geometry Algebra 2	Individualized Math Geometry Concepts Algebra 2 Pre-Calculus	
Science (2½ years)	Physical Science Physical Science Concepts ----- Health (1 semester)	Biology Biology Honors		
Social Studies (3 years)		World History World History Concepts	U.S. History U.S. History Concepts	Government (1 semester) and Consumer Education (1 semester)
Physical Education	Physical Education (1 semester); Health (1 semester)	Physical Education (1 semester); Driver's Education (1 semester)	Physical Education Fitness	Physical Education Fitness
Elective				
Elective				
Elective				

ART

A flowchart for understanding vocational prerequisites and for planning sequential elective choices:



2D: Art Fundamentals

Course Number: 100201

Length/Credits: One semester/ ½ credit

Prerequisite: None

Course Fee: \$10.00

State Course Title: Creative Art—Comprehensive

State Course Code: 05154A000

Creative Art—Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

This course will provide students with learning opportunities in drawing, painting, collage, and printmaking. This survey studio course is designed to teach students the elements and principles of art and the skills to use a variety of media for flat surface art. It will include introductory units in linear perspective, art history, and color theory. There will be a one hour drawing homework assignment due every week.

2D: Painting and Color Theory

Course Number: 100202

Length/Credits: One semester/ ½ credit

Prerequisite: Successful completion of Art Fundamentals in 2D (formerly Art 1, first semester)

Course Fee: \$10.00

State Course Title: Creative Art—Painting

State Course Code: 05157A000

Creative Art—Painting courses cover the same topics as Creative Art—Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

Students will work through a developed set of color projects; examine the difference between pigment and light color theory used in stage lighting and computer imaging; experience varied styles of painting and examine some of the artists who made them; and develop paintings using watercolor, pastels, and acrylic or oil, with a goal of developing a personal style.

2D: Drawing

Course Number: 100203

Length/Credits: One semester/ ½ credit

Prerequisite: Successful completion of Art Fundamentals in 2D (formerly Art 1, first semester)

Course Fee: \$10.00

State Course Title: Creative Art—Drawing

State Course Code: 05156A000

Creative Art—Drawing courses cover the same topics as Creative Art—Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium.

2D: Collage, Printmaking, and Paper Arts

Course Number: 100204

State Course Title: Printmaking

Length/Credits: One semester/ ½ credit

State Course Code: 05161A000

Prerequisite: Successful completion of Art fundamentals in 2D (formerly Art 1, first semester)

Course Fee: \$10.00

Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collograph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.

Students will design with found objects and incorporate them into paintings; try a variety of 2D mixed media; and use a variety of printing methods including silk screen and block printing. Paper arts may include paper quilting, making paper, photo-mosaics, and Eastern paper cutting.

2D: Design and Composition

Course Number: 100205

State Course Title: Printmaking/Graphics

Length/Credits: One semester/ ½ credit

State Course Code: 05160A000

Prerequisite: Successful completion of Art fundamentals in 2D (formerly Art 1, first semester)

Course Fee: \$10.00

Printmaking/Graphics courses cover the same topics as Creative Art—Comprehensive courses, but focus on design principles, printmaking, and graphic design.

Students will learn to use various design theories and principles to create dramatic 2D art works in a variety of media.

3D: Art Fundamentals

Course Number: 100301

State Course Title: Creative Art—Comprehensive

Length/Credits: One semester/ ½ credit

State Course Code: 05154A000

Prerequisite: None

Course Fee: \$10.00

Creative Art—Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

This studio course is designed to teach students the skills to use clay and a variety of media for producing art in volume/mass. Other media(s) will include paper, paper Mache, plaster, soap, foam, cardboard, wood, and soapstone. For the first nine weeks, projects will be done in clay. The semester will begin with the craft of utilitarian ceramic and develop into sculpture. There will be some homework assignments.

3D: Crafts from Around the World

Course Number: 100302

State Course Title: Crafts

Length/Credits: One semester/ ½ credit

State Course Code: 05165A000

Prerequisite: Successful completion of Art fundamentals in 3D (formerly Art 1, second semester)

Course Fee: \$10.00

Crafts courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on crafts. These courses may survey a wide range of crafts, or they may focus on only one type of craft; possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-painting, mask-making, knitting, crocheting, paper-making, and so on.

Students will learn various crafts including batik (wax resist for dyeing natural fiber cloth), copper enameling (firing powdered glass onto copper), and a variation of Japanese lacquer ware.

3D: Sculpture and an Introduction to Architectural Design

Course Number: 100303

State Course Title: Creative Art—Sculpture

Length/Credits: One semester/ ½ credit

State Course Code: 05158A000

Prerequisite: Successful completion of Art fundamentals in 3D (formerly Art 1, second semester)

Course Fee: \$10.00

Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.

3D: Ceramics, Jewelry, and Fiber Arts

Course Number: 100304

State Course Title: Textiles

Length/Credits: One semester/ ½ credit

State Course Code: 05164A000

Prerequisite: Successful completion of Art fundamentals in 3D (formerly Art 1, second semester)

Course Fee: \$10.00

Textiles courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on textiles. These courses may survey a wide range of crafts and art forms using textiles, or they may focus on only one type of art form; possibilities include weaving, macramé, quilting, batik, stitchery, and so on.

Students will be encouraged to make challenging projects, use new techniques, and develop a personal style and craftsmanship while using clay. Students will choose between making large (up to 18 inches) vessels, armature constructed or hollowed out clay sculptures, and/or a series of exquisitely detailed miniature clay vessels or sculptures. All students will make ceramic jewelry from Egyptian paste and/or metal clay; and creating hand-cut copper jewelry is an option. Students will learn basic loom weaving and formulate an individualized weaving project.

Art History

Course Number: 100401

State Course Title: Art History

Length/Credits: One semester/ ½ credit

State Course Code: 05152A000

Prerequisite: None

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.

Art Appreciation

Course Number: 100152

State Course Title: Art Appreciation

Length/Credits: One semester/ ½ credit

State Course Code: 05151A000

Prerequisite: None

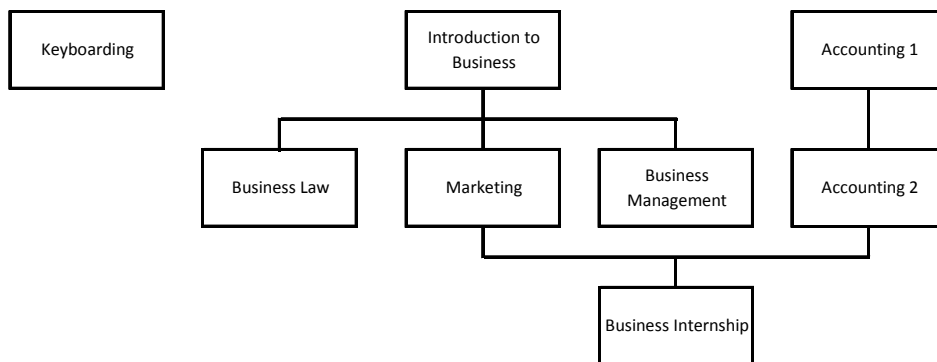
Course Fee: \$10.00

Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.

The course will require students to attend many local field trips to galleries and museums; therefore, students must maintain self-discipline, trustworthiness, and decorum for being in public and representing East Dubuque High School while on these field trips.

BUSINESS EDUCATION

A flowchart for understanding vocational prerequisites and for planning sequential elective choices:



Keyboarding

Course Number: 900101

State Course Title: Keyboarding and Formatting (CTE Course)

Length/Credits: One semester/ ½ credit

State Course Code: 12005A001

Prerequisite: None

Course Fee: \$10.00

Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and

business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

Introduction to Business

Course Number: 900201

State Course Title: Introductory Business

Length/Credits: One semester/ ½ credit

State Course Code: 12051A000

Prerequisite: None

Course Fee: \$10.00

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

This course provides an overview of the functions of business in a global economic environment and introduces the student to the major business operations and principles involved in product/service development, production, marketing, finance and accounting, human resource management, technology, customer service, quality control and improvement. Additional topics include entrepreneurship and small business management, business plans, corporate strategic planning, economic systems and economic activity, business structure and organization, production and operations management, risk management, money, banking, and financial management, credit, savings, and investments, business ethics, and the social responsibility and role of business in American life. This course is recommended for students planning to pursue a career or college degree in business and is a pre-requisite for enrollment in the Marketing and Business Law courses. This course fulfills the state consumer education requirement.

Marketing

Course Number: 900203

State Course Title: Service-Oriented Marketing (CTE Course)

Length/Credits: One semester/ ½ credit

State Course Code: 12055A001

Prerequisite: Successful completion of Introduction to Business

Course Fee: \$10.00

This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, and execution of planning. This course emphasizes strong decision making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Marketing introduces students to this exciting field, which includes advertising, consumer research, product development, packaging, and selling. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Students will also explore the legal aspects of these industries. Real life projects allow students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing.

Business Law

Course Number: 900202

State Course Title: Business Law (CTE Course)

Length/Credits: One semester/ ½ credit

State Course Code: 12054A001

Prerequisite: Successful completion of Introduction to Business

Course Fee: \$10.00

Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation.

Business Management

Course Number: 900204

State Course Title: Business Management

Length/Credits: One semester/ ½ credit

State Course Code: 12052A000

Prerequisite: Successful completion of Introduction to Business

Course Fee: \$10.00

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

Accounting 1

Course Number: 900401
Length/Credits: One semester/ ½ credit
Prerequisite: Open to sophomores, juniors, and seniors
Course Fee: \$10.00

State Course Title: Accounting
State Course Code: 12104A000

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Accounting 2

Course Number: 900402
Length/Credits: One semester/ ½ credit
Prerequisite: Successful completion of Accounting 1
Course Fee: \$10.00

State Course Title: Accounting II (CTE Course)
State Course Code: 12104A002

Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

Business Internship

Course Number: 900601
Length/Credits: One semester/ ½ credit
(minimum 30 minutes-per-week contact hours of instruction and 10 hours-per-week of OJT)
Prerequisite: Successful completion of Accounting 2 or Marketing

State Course Title: Business and Marketing—Workplace Experience
State Course Code: 12998A000

Other: Contact hours of instruction and OJT are performed outside of the regular school day

Business and Marketing—Workplace Experience courses provide students with work experience in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

The course is a special developmental program for students interested in a business career to earn credit for successful on-the-job learning as a part-time employee or unpaid intern in a business-oriented enterprise. This activity requires the student to search for and obtain a position in industry, commerce, or agri-business in which the student will be required to work a minimum of 10 hours per week. An individual development plan (IDP) must be prepared jointly by the student and the employer and must be presented to and approved by the Business instructor prior to the start of the semester. The IDP must (1) outline duties, responsibilities, and the work schedule of the position, (2) describe the on-the-job learning activities in which the student will participate, and (3) specify the work performance objectives that the student is to achieve. Additionally the student must meet with the Business instructor for at least 30 minutes weekly to discuss the student's on-the-job learning experiences. The student's on-the job learning and work performance must be evaluated by the employer at the end of each 4½ week period using an EDHS-provided assessment form. The student's final course grade will be determined by the Business instructor based on the employer's periodic evaluation and the Business Department assessment of the student's learning achievements. This course is recommended for students planning to pursue a career or college degree in business.

Consumer Education

Course Number: 900801
Length/Credits: One semester/ ½ credit
Prerequisite: Open to seniors

This course covers the basic information a student should have to be an intelligent and alert consumer. The course includes a review of consumer-oriented business math and the use of specialized websites to compute interest rates, payments, amortization, and compounding. Credit card usage, identity theft, investing, banking including checking and savings accounts, taxation, insurance, buying a car, understanding the stock market, and obtaining a home or apartment are included in the course. This is a required course which must be taken in the senior year by students who have not satisfactorily completed the Introduction to Business course.

DRIVER EDUCATION

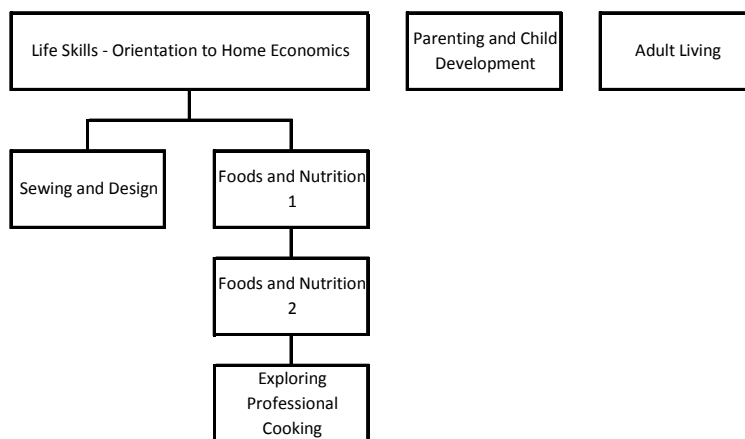
Driver Education

Course Number: 800853 State Course Title: Drivers' Education—Classroom and Laboratory
 Length/Credits: One semester/ ½ credit State Course Code: 08152A001
 Prerequisite: Open to sophomores who have passed 8 courses the previous two semesters
 Course Fee: \$50.00

Drivers' Education—Classroom and Laboratory course provides students with the knowledge and experience to become safe drivers on America's roadways. Topics in this course cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of this course.

FAMILY AND CONSUMER SCIENCES

A flowchart for understanding vocational prerequisites and for planning sequential elective choices:



Life Skills - Orientation to Home Economics

Course Number: 200000 State Course Title: Introduction to Family and Consumer Sciences Careers (CTE Course)
 Length/Credits: Full year course/1 credit State Course Code: 22201A001
 Prerequisite: None
 Course Fee: \$10.00

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

Foods and Nutrition 1

Course Number: 200001 State Course Title: Food and Nutrition
 Length/Credits: One semester/ ½ credit State Course Code: 22202A000
 Prerequisite: Successful completion of Life Skills
 Course Fee: \$10.00

Foods and Nutrition 1 provides students with an understanding of food's role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. Some classes place a heavier emphasis on the nutritional components of a balanced diet, while others concentrate on specific types of food preparation. Although these courses may present career opportunities in the food service industry, their emphasis is not career-related.

Foods and Nutrition 2

Course Number: 200002 State Course Title: Nutrition and Culinary Arts II (CTE Course)
 Length/Credits: One semester/ ½ credit State Course Code: 16054A002
 Prerequisite: Successful completion of Foods and Nutrition 1
 Course Fee: \$10.00

Foods and Nutrition 2 provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and

trends, regional & international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

Exploring Professional Cooking

Course Number: 200003 State Course Title: Culinary Occupations I (CTE Course)
Length/Credits: One semester/ ½ credit State Course Code: 16052A001
Prerequisite: Successful completion of Foods and Nutrition 2
Course Fee: \$10.00

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'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment.

Parenting and Child Development

Course Number: 200004 State Course Title: Child Development and Parenting (CTE Course)
Length/Credits: One semester/ ½ credit State Course Code: 19052A001
Prerequisite: Open to juniors and seniors

Parenting and Child Development addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

Sewing/Design

Course Number: 200005 State Course Title: Textiles and Design I (CTE Course)
Length/Credits: One semester/ ½ credit State Course Code: 19201A001
Prerequisite: Successful completion of Life Skills

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles.

Adult Living

Course Number: 200006 State Course Title: Family and Career Relationships (CTE Course)
Length/Credits: One semester/ ½ credit State Course Code: 22207A001
Prerequisite: Open to juniors and seniors

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

A portion of this course will focus on the book *The Seven Habits of Highly Effective Teenagers*, by Sean Covey, and its applications to students' lives.

FOREIGN LANGUAGE

Spanish 1

Course Number: 500550 State Course Title: Spanish I
Length/Credits: Full year course/1 credit State Course Code: 06101A000
Prerequisite: None

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Spanish 2

Course Number: 500551

Length/Credits: Full year course/1 credit

Prerequisite: Successful completion of Spanish 1

State Course Title: Spanish II

State Course Code: 06102A000

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Spanish 3/4

Course Number: 500554

Length/Credits: Full year course/1 credit

Prerequisite: Successful completion of Spanish 2

State Course Title: Spanish III/Spanish IV

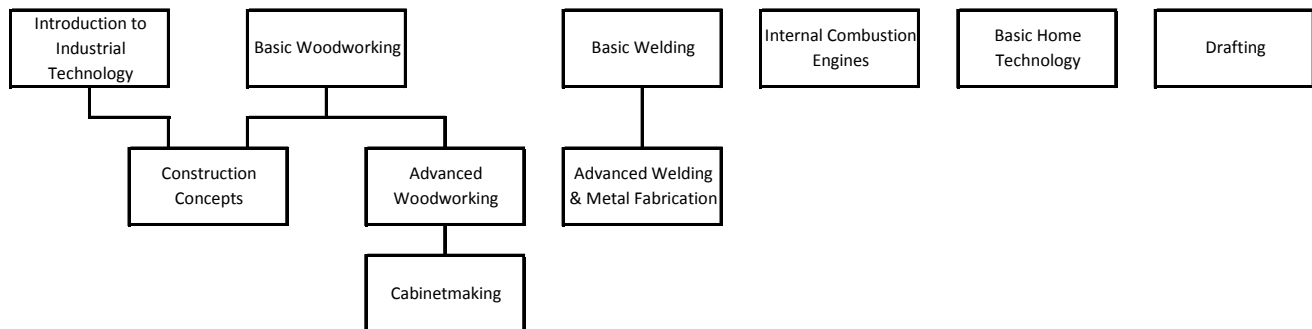
State Course Code: 06103A000/06104A000

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

INDUSTRIAL TECHNOLOGY

A flowchart for understanding vocational prerequisites and for planning sequential elective choices:



Introduction to Industrial Technology

Course Number: 300101

Length/Credits: One semester/ ½ credit

Prerequisite: None

Course Fee: \$10.00

State Course Title: Introduction to Technology and Engineering (Industrial)

State Course Code: 21052A002

Introduction to Technology and Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design, but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, technological impact and occupations encompassed by that system.

Basic Woodworking

Course Number: 300201

Length/Credits: One semester/ ½ credit

Prerequisite: None

Course Fee: \$10.00

State Course Title: Woodworking

State Course Code: 17006A000

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects.

Advanced Woodworking

Course Number: 300202

State Course Title: Cabinetmaking and Millwork I

Length/Credits: One semester/ ½ credit

State Course Code: 17007A001

Prerequisite: Open to sophomores, juniors, and seniors who have successfully completed Basic Woodworking

Course Fee: \$10.00

This course introduces students to the basic design and fabrication of residential cabinetry and custom furniture. The course also exposes students to the millwork and millwright industry. Instruction includes safety practices in using hand tools and power equipment.

Cabinetmaking

Course Number: 300203

State Course Title: Cabinetmaking and Millwork II

Length/Credits: One semester/ ½ credit

State Course Code: 17007A002

Prerequisite: Open to sophomores, juniors, and seniors who have successfully completed Advanced Woodworking

Course Fee: \$10.00

This course provides learning experiences related to the erection, installation, and maintenance of commercial and residential cabinetry, and the repair and maintenance of stationary woodworking machinery. Planned learning activities emphasize the development of more advanced knowledge and skills than those provided in Cabinetmaking and Millwork I. This course provides the student with the knowledge and skills necessary to perform basic cabinetry construction and how it relates to the manufacturing process. In addition, more advanced woodworking machine maintenance skills are introduced.

Basic Welding

Course Number: 300301

State Course Title: Welding Technology I

Length/Credits: One semester/ ½ credit

State Course Code: 13207A001

Prerequisite: Open to sophomores, juniors, and seniors

Course Fee: \$10.00

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning.

Advanced Welding and Metal Fabrication

Course Number: 300302

State Course Title: Welding Technology II

Length/Credits: One semester/ ½ credit

State Course Code: 13207A002

Prerequisite: Open to juniors and seniors who have successfully completed Basic Welding

Course Fee: \$10.00

This course builds on the skills and concepts introduced in Welding Technology I and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding.

Internal Combustion Engines

Course Number: 300401

State Course Title: Small Engine Repair I

Length/Credits: One semester/ ½ credit

State Course Code: 20110A001

Prerequisite: Open to sophomores, juniors, and seniors

Course Fee: \$10.00

Small engine repair is an instructional program that prepares individuals to troubleshoot, service, and repair a variety of small internal-combustion engines, involving both two and four cycle engines used on portable power equipment. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines.

Basic Home Technology

Course Number: 300501

State Course Title: Building Maintenance I

Length/Credits: One semester/ ½ credit

State Course Code: 17009A001

Prerequisite: Open to sophomores, juniors, and seniors

Course Fee: \$10.00

This course includes learning experiences and skills in servicing building systems, repair and maintenance of machinery, maintaining plumbing systems, minor electrical repairs, essential heating ventilation and air conditioning system maintenance, painting, and basic carpentry. These experiences provide students the opportunity to become knowledgeable in a variety of practices and skills associated with all trades necessary to maintain a building's daily operations that are repair-related. The Building Maintenance I course provides instruction and hands-on activities including the use of test equipment and tools, hand tools, basic electricity, carpentry and masonry skills.

Drafting

Course Number: 300701

State Course Title: Drafting—General

Length/Credits: One semester/ ½ credit

State Course Code: 21102A000

Prerequisite: Open to sophomores, juniors, and seniors

Course Fee: \$10.00

Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multi-view projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

Construction Concepts

Course Number: 300601

State Course Title: Construction Trades I

Length/Credits: One semester/ ½ credit

State Course Code: 17002A001

Prerequisite: Open to sophomores, juniors and seniors who have successfully completed Intro. to IT or Basic Woodworking

Course Fee: \$10.00

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.

The student will need to supply safety glasses that comply with the Z87 code.

LANGUAGE ARTS

English 9

Course Number: 500512

State Course Title: English/Language Arts I (9th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01001A000

Prerequisite: None

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

English 9 is both an introduction to literary forms, such as the short story, nonfiction, drama, novels, and poetry, and a concentrated effort to develop good grammatical and communication skills. Each unit of study will include work with vocabulary, sentence structure, and paragraph development as well as an emphasis on critical thinking and creativity. In addition, students will be expected to write narrative, descriptive, expository, and reflective essays as well as to write creatively.

English 9 Concepts

Course Number: 500511

State Course Title: English/Language Arts I (9th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01001A000

Prerequisite: Placement by teacher recommendation only

English 9 Concepts is a highly individualized course for those students who do not take English 9 or English 9 Honors. Students will work to improve basic skills in reading comprehension, grammar, vocabulary, communication, and writing.

English 9 Honors

Course Number: 500513

State Course Title: English/Language Arts I (9th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01001A000

Prerequisite: Placement by standardized test scores and teacher recommendation

English 9 Honors is an accelerated and more challenging version of English 9, designed to develop higher-level thinking and writing skills. Students will be expected to read and analyze increasingly sophisticated and thought-provoking short stories, nonfiction, drama, novels, and poetry. In addition, students will be expected to write more in-depth narrative, descriptive, expository, and reflective essays as well as to write creatively.

English 10

Course Number: 500522

State Course Title: English/Language Arts II (10th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01002A000

Prerequisite: None

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and

compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

English 10 is a study of both literature and communication skills. The course requires work in literature, grammar, language usage, sentence structure, composition, the use of reference materials, and vocabulary development through a variety of texts and media. In addition, students will be expected to write comparison/contrast, persuasive, expository, and reflective essays as well as to write creatively.

English 10 Concepts

Course Number: 500521 State Course Title: English/Language Arts II (10th grade)
Length/Credits: Full year course/1 credit State Course Code: 01002A000
Prerequisite: Placement by teacher recommendation only

English 10 Concepts is a highly individualized course for those students who do not take English 10 or English 10 Honors. Students will work to improve basic skills in reading comprehension, grammar, vocabulary, communication, and writing.

English 10 Honors

Course Number: 500523 State Course Title: English/Language Arts II (10th grade)
Length/Credits: Full year course/1 credit State Course Code: 01002A000
Prerequisite: Placement by standardized test scores and teacher recommendation

English 10 Honors is an accelerated and more challenging version of English 10, designed to develop higher-level thinking and writing skills. Students will be expected to read and analyze increasingly sophisticated and thought-provoking short stories, nonfiction, drama, novels, and poetry. In addition, students will be expected to write more in-depth comparison/contrast, persuasive, expository, and reflective essays as well as to write creatively.

English 11

Course Number: 500532 State Course Title: English/Language Arts III (11th grade)
Length/Credits: Full year course/1 credit State Course Code: 01003A000
Prerequisite: None

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

English 11 chronologically traces the development of American literature from the Colonial period to the 21st century. The course includes vocabulary study, a research paper, reflective and creative writing, and a focus on persuasive and analytical writing,

English 11 Concepts

Course Number: 500531 State Course Title: English/Language Arts III (11th grade)
Length/Credits: Full year course/1 credit State Course Code: 01003A000
Prerequisite: Placement by teacher recommendation only

English 11 Concepts is a highly individualized course for those students who do not take English 11 or English 11 Honors. Students will work to improve basic skills in reading comprehension, grammar, vocabulary, communication, and writing.

English 11 Honors

Course Number: 500533 State Course Title: English/Language Arts III (11th grade)
Length/Credits: Full year course/1 credit State Course Code: 01003A000
Prerequisite: Placement by standardized test scores and teacher recommendation

English 11 Honors is an accelerated and more challenging version of English 11, designed to develop higher-level thinking and writing skills. The course includes advanced vocabulary study, a research paper, more in-depth reflective and creative writing, and an extensive focus on persuasive and analytical writing,

Speech

Course Number: 500534 State Course Title: Public Speaking
Length/Credits: One semester/ ½ credit State Course Code: 01151A000
Prerequisite: Open to juniors

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

English 12

Course Number: 500542

State Course Title: English/Language Arts IV (12th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01004A000

Prerequisite: None

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

This course chronologically traces the development of British literature from Anglo-Saxon times to the 21st century and explores literature of the world. The course includes vocabulary study, a research paper, reflective and creative writing, as well as a focus on character analysis, persuasive writing, and communication skills needed for post-high school study and work.

English 12 Concepts

Course Number: 500541

State Course Title: English/Language Arts IV (12th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01004A000

Prerequisite: Placement by teacher recommendation only

English 12 Concepts is a highly individualized course for those students who do not take English 12 or English 12 Honors. Students will work to improve basic skills in reading comprehension, grammar, vocabulary, communication, and writing.

English 12 Honors

Course Number: 500543

State Course Title: English/Language Arts IV (12th grade)

Length/Credits: Full year course/1 credit

State Course Code: 01004A000

Prerequisite: Placement by standardized test scores and teacher recommendation

English 12 Honors is an accelerated and more challenging version of English 12, designed to develop higher-level thinking and writing skills. The course includes advanced vocabulary study, a research paper, more in-depth reflective and creative writing, and an extensive focus on character analysis and persuasive writing.

Desktop Publishing: Print Media

Course Number: 500601

State Course Title: Desktop Publishing

Length/Credits: One semester/ ½ credit

State Course Code: 11152A000

Prerequisite: Keyboarding; alternately, students must demonstrate the necessary computer skills as determined by faculty

Course Fee: \$10.00

Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts.

Desktop Publishing: Print Media focuses on two aspects of communicating: writing and design. Students will learn to communicate a message with various styles of writing and with page design techniques. Students will complete desktop publishing projects including, but not limited to, brochures, flyers, business communications, advertisements, coupons, menus, forms, booklets, manuals, and newsletters. Students should have an interest in both writing and computer design. Students in Desktop Publishing: Print Media may also be required to write and/or design pages for the yearbook or other publications. Students will use a digital camera, scanner, and image-editing and page design software to complete a variety of projects and assignments.

Desktop Publishing: Web and Video

Course Number: 500602

State Course Title: Digital Media Design and Production

Length/Credits: One semester/ ½ credit

State Course Code: 11153A000

Prerequisite: Keyboarding; alternately, students must demonstrate the necessary computer skills as determined by faculty

Course Fee: \$10.00

Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media.

Desktop Publishing: Web and Video focuses on two aspects of communicating: writing and design. Students will learn to communicate a message with various styles of writing and with web page design techniques and video production techniques. Students will complete desktop publishing projects including, but not limited to, websites, videos, animations, and multimedia presentations. Students should have an interest in writing, web design, and video production. Students in Desktop Publishing: Web and Video may also be required to prepare materials for the school website or other school projects. Students will use both a digital still camera and a digital video camera, scanner, and software for image-editing, web design, animation, presentation, and video editing to complete a variety of projects and assignments.

MATHEMATICS

Pre-Algebra

Course Number: 400413
Length/Credits: Full year course/1 credit
Prerequisite: None

State Course Title: Pre-Algebra
State Course Code: 02051A000

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

Algebra 1

Course Number: 400411
Length/Credits: Full year course/1 credit
Prerequisite: Open to freshmen or students who have successfully completed either Pre-Algebra or Algebra 1 Concepts

State Course Title: Algebra I
State Course Code: 02052A000

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Algebra 1 Concepts

Course Number: 400412
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Pre-Algebra

State Course Title: Algebra I
State Course Code: 02052A000

This course will give a solid foundation in the fundamentals of algebra. Students will develop their problem solving skills as they learn new math concepts. Linear equations, quadratic functions, the quadratic formula, modeling equations and inequalities, slope, and factoring will be studied. This course is open to Pre-Algebra students to satisfy the algebra requirement.

Geometry

Course Number: 400422
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Algebra 1 or Algebra 1 Concepts

State Course Title: Geometry
State Course Code: 02072A000

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Geometry Concepts

Course Number: 400423
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Algebra 1 Concepts or Algebra 1

State Course Title: Geometry
State Course Code: 02072A000

In Geometry Concepts, students will study how points, lines, and planes can be used to picture the space around us. The main attention will be placed on plane geometry. Plane geometry studies geometric figures in a plane, like squares, triangles, and circles. Later, we will consider solid geometry, where students will learn about solid figures like cubes, prisms, and spheres.

Algebra 2

Course Number: 400421
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Geometry or Geometry Concepts

State Course Title: Algebra II
State Course Code: 02056A000

Material(s): TI-84 Plus graphing calculators are required for this course and must be purchased by the student
Algebra 2 course topics typically include field properties and theorems; 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; properties of higher degree equations; and operations with rational and irrational exponents.

Discrete Math

Course Number: 400430
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Geometry Concepts or Geometry

State Course Title: Discrete Mathematics
State Course Code: 02102A000

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.

Pre-Calculus

Course Number: 400441

State Course Title: Pre-Calculus

Length/Credits: Full year course/1 credit

State Course Code: 02110A000

Prerequisite: Successful completion of Algebra 2

Material(s): TI-84 Plus graphing calculators are required for this course and must be purchased by the student

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

AP Calculus AB

Course Number: 400120

State Course Title: AP Calculus AB

Length/Credits: Full year course/1 credit

State Course Code: 02124A000

Prerequisite: Successful completion of Pre-Calculus

Material(s): TI-84 Plus graphing calculators are required for this course and must be purchased by the student

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

Prospective students should clearly understand the rigorous nature of the AP Calculus AB course before beginning this course.

Individualized Math

Course Number: 400501

State Course Title: General Math

Length/Credits: Full year course/1 credit

State Course Code: 02002A001

Prerequisite: Students with a math goal in the Individualized Education Program (IEP) may be placed in this class

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

MUSIC

Band

Course Number: 800851

State Course Title: General Band

Length/Credits: Full year course/1 credit

State Course Code: 05101A001

Prerequisite: None

Course Fee: \$10.00

General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles).

Students will participate in pep band, marching band and concert band performances. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest and IMEA Music Festival. Attending all full band performances outside of the school day is a course requirement.

Chorus

Course Number: 800852

State Course Title: Chorus

Length/Credits: Full year course/1 credit

State Course Code: 05110A000

Prerequisite: None

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

Students do not need previous choral experience to join. This class is co-curricular, meaning it meets during the regular school day and has 2-4 required evening or weekend performances each semester. Students will learn a variety of music, including spirituals, sacred, calypso, secular, contemporary, classical, western, and folk songs. Students will learn music terminology and skills including sight-reading. In addition, students will have individual opportunities to participate in optional events such as Solo and Ensemble Contest and IMEA Music Festival. The class also offers the National Anthem Club and provides students opportunities to sing the *Star Spangled Banner* at sporting events.

PHYSICAL EDUCATION

Physical Education 9

Course Number: 800009

State Course Title: Physical Education

Length/Credits: ½ credit per semester

State Course Code: 08001A001

Prerequisite: Open to freshmen

Physical education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreation sports, and fitness/conditioning activities.

This basic instructional program promotes health, hygiene, social skills, and physical exercise. These instructional goals will be met by developing a reasonable degree of skill in a variety of activities that are directed more for leisure-time enjoyment, both now and in the future. There will be an introduction to modern exercise such as yoga and Pilates. Written and skills tests will also be used to evaluate performance. CPR certification will be administered. Classes are conducted on a co-educational basis.

Physical Education 10

Course Number: 800010

State Course Title: Physical Education

Length/Credits: ½ credit per semester

State Course Code: 08001A001

Prerequisite: Open to sophomores

Physical education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreation sports, and fitness/conditioning activities.

This instructional program promotes health, hygiene, social skills, and physical exercise. These instructional goals will be met by developing a reasonable degree of skill in a variety of activities that are directed more for leisure-time enjoyment, both now and in the future. Classes will be fitness-based with emphasis on lifetime fitness skills. Written and skills tests will also be used to evaluate performance. Classes are conducted on a co-educational basis.

Physical Education 11-12

Course Number: 801112

State Course Title: Physical Education

Length/Credits: ½ credit per semester

State Course Code: 08001A001

Prerequisite: Open to juniors and seniors

Physical education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreation sports, and fitness/conditioning activities.

This instructional program promotes health, hygiene, social skills, and physical exercise. These instructional goals will be met by developing a reasonable degree of skill in a variety of activities that are directed more for leisure-time enjoyment, both now and in the future. Classes will be fitness-based with emphasis on lifetime fitness skills. Written and skills tests will also be used to evaluate performance. Classes are conducted on a co-educational basis.

Fitness

Course Number: 811112

State Course Title: Fitness/Conditioning Activities

Length/Credits: Full year course/1 credit

State Course Code: 08005A001

Prerequisite: Open to juniors and seniors as a replacement option to Physical Education 11-12.

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

A personal fitness plan will be developed for evaluation. CPR certification will also be available in this course.

SCIENCE

Physical Science

Course Number: 600612

State Course Title: Physical Science

Length/Credits: Full year course/1 credit

State Course Code: 03159A000

Prerequisite: None

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

This course will stress the development and use of critical-thinking and problem-solving skills. Also emphasized will be the social aspect of working with others in a collaborative setting during lab experiences.

Physical Science Concepts

Course Number: 600614

State Course Title: Physical Science

Length/Credits: Full year course/1 credit

State Course Code: 03159A000

Prerequisite: Placement by teacher recommendation only

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

This course will stress the development and use of critical-thinking and problem-solving skills. Also emphasized will be the social aspect of working with others in a collaborative setting during lab experiences.

Health

Course Number: 600611

State Course Title: Health Education

Length/Credits: One semester/ ½ credit

State Course Code: 08051A000

Prerequisite: None

Topics covered within this Health course may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The course may also include brief studies of environmental health, personal development, and/or community resources.

Biology

Course Number: 600623

State Course Title: Biology

Length/Credits: Full year course/1 credit

State Course Code: 03051A001

Prerequisite: Open to sophomores

Course Fee: \$10.00

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

This course is designed to introduce the basic biological principles of life. The major topics include the cell, its chemical make-up, growth, reproduction, and basic genetics. The students will also survey the different classifications of life forms with an emphasis on the ecological relations of one organism to another. The students will use laboratory experiments, models, charts, and various elements of technology to further their understanding of concepts presented. This course is required for graduation for those students not placed in Biology Honors.

Biology Honors

Course Number: 600624

State Course Title: Biology

Length/Credits: Full year course/1 credit

State Course Code: 03051A001

Prerequisite: Placement by teacher recommendation only

Course Fee: \$10.00

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

This course is designed to familiarize the student the basic biological principles of life. The major topics include ecology, cell biology including cell chemistry, anatomy, growth, and reproduction. Students will also extensively investigate genetics and evolution. Students will survey the taxonomy of all the different life forms with an emphasis on the ecological relations of one organism to another. Students will use laboratory experiments, models, charts, and various elements of technology to further their understanding of concepts presented. This course is required for graduation for those students not placed in Biology.

Physics

Course Number: 600631

State Course Title: Physics

Length/Credits: Full year course/1 credit

State Course Code: 03151A000

Prerequisite: Students must have passed Algebra 1 (Grade of "C" or better is recommended)

Course Fee: \$10.00

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Chemistry

Course Number: 600632

State Course Title: Chemistry

Length/Credits: Full year course/1 credit

State Course Code: 03101A000

Prerequisite: Students must have passed Algebra 1 (Grade of "C" or better is recommended)

Course Fee: \$10.00

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Physiology

Course Number: 600642

State Course Title: Physiology

Length/Credits: Full year course/1 credit

State Course Code: 03055A000

Prerequisite: Successful completion of Biology

Course Fee: \$10.00

Physiology courses examine all major systems, tissues, and muscle groups in the human body to help students understand how these systems interact and their role in maintaining homeostasis. These courses may also cover such topics as cell structure and function, metabolism, and the human life cycle.

Principles of Technology

Course Number: 600650

State Course Title: Principles of Technology

Length/Credits: Full year course/1 credit

State Course Code: 03153A000

Prerequisite: Successful completion of Pre-Algebra is recommended.

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. These courses enable students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields.

Current Discoveries in Science

Course Number: 600670

State Course Title: Science, Technology and Society

Length/Credits: One semester/ ½ credit

State Course Code: 03210A000

Prerequisite: Open to juniors and seniors

Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes.

The course will cover the current discoveries in both physical and biological science. We will review the basics of good scientific research. Students will use multiple forms of media including magazines, newspapers, podcasts, internet research sites, and scientific journals to explore a wide variety of scientific topics. Students will also have the freedom to research some specific scientific topics that interest them and share their findings with classmates. We will emphasize the characteristics of good research and discuss the misuse and misinterpretation of scientific research.

SOCIAL STUDIES

World History

Course Number: 700722

State Course Title: World History—Overview

Length/Credits: Full year course/1 credit

State Course Code: 04051A000

Prerequisite: None

World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography. World History is a one-year required course for sophomores except for those enrolled in World History Concepts.

World History Concepts

Course Number: 700721

State Course Title: World History—Overview

Length/Credits: Full year course/1 credit

State Course Code: 04051A000

Prerequisite: Placement by teacher recommendation only

This course is designed to familiarize students with essential geographic, historical, and cultural facts, including the study of Nazi atrocities during the Holocaust. It is required of sophomores not enrolled in World History.

United States History

Course Number: 700731

State Course Title: U.S. History—Comprehensive

Length/Credits: Full year course/1 credit

State Course Code: 04101A000

Prerequisite: None

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

United States History Concepts

Course Number: 700730

State Course Title: U.S. History—Comprehensive

Length/Credits: Full year course/1 credit

State Course Code: 04101A000

Prerequisite: None

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

U.S. History Concepts studies U.S. History from a conceptual standpoint. Throughout the year we will study U.S. History through the lens of U.S. expansionism, revolution, native peoples, segregation, and industrialization.

Government

Course Number: 700741

State Course Title: U.S. Government—Comprehensive

Length/Credits: One semester/ ½ credit

State Course Code: 04151A000

Prerequisite: Open to seniors

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

AP Psychology

Course Number: 700742

State Course Title: AP Psychology

Length/Credits: Full year course/1 credit

State Course Code: 04256A000

Prerequisite: Open to juniors and seniors

Following the College Board's suggested curriculum designed to parallel a college-level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science and practice.

It prepares students to take the national AP Psychology Examination, which is administered in May. By achieving a successful score on the national exam, students may receive college credit and/or advancement placement course work in college. Prospective students should clearly understand the rigorous nature of the AP Psychology course before beginning the course.

Current Events

Course Number: 700743

State Course Title: Contemporary U.S. Issues

Length/Credits: One semester/ ½ credit

State Course Code: 04106A000

Prerequisite: Open to juniors and seniors

Course Fee: \$10.00

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

The course will cover the current events at home and abroad and how they affect all of us. Also included would be lessons on how to accurately interpret the news we are given through television, radio, Internet, and print. Due to the nature of its content, this course can be repeated.

GRADUATION SERVICE

Graduation service is a graduation requirement for all students. Students must accumulate a total of forty hours of service throughout their four years of high school.

Graduation service hours must be completed before the start of semester exams of the senior year. Graduation service must be done outside of school time. Students cannot be paid for any service performed, nor will services for family members count towards hours for graduation service. The purpose and intent of graduation service is to get into the community and to give of one's time and talents to others. Approval forms are available in the office and on the high school link of the district's website (www.edbqhs.org) and should be submitted to the principal's office within three months of completing the service.

Possible Graduation Service Organizations:

Lion's Club, Warrior Booster Club, Optimist Club, Boys Scouts, Girls Scouts, Library, City Township – Park or local governments, churches, American Legion, V.F.W., East Dubuque Tourism/Business Council, hospitals, and nursing homes.

REQUIREMENTS FOR PUBLIC UNIVERSITIES

For admission to public universities, the law requires students to complete at least 15 units of high school course work distributed as follows:

- Four years of English (emphasizing written and oral communication and literature)
- Three years of Social Studies (emphasizing history and government)
- Three years of Mathematics (introductory through advanced Algebra, Geometry, Trigonometry or fundamentals of computer programming)
- Three years of Science (Laboratory sciences)
- Two years of electives chosen from music, art, foreign language (which shall be deemed to include up to one year of American Sign Language per PA 86-0623) or vocational education. University of Illinois/Urbana may have slightly different requirements. Public universities in other states may also have different requirements.