

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 beginning of the 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.

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 AP Literature and Composition
- 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, Algebra A, Algebra 1, Algebra B, 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

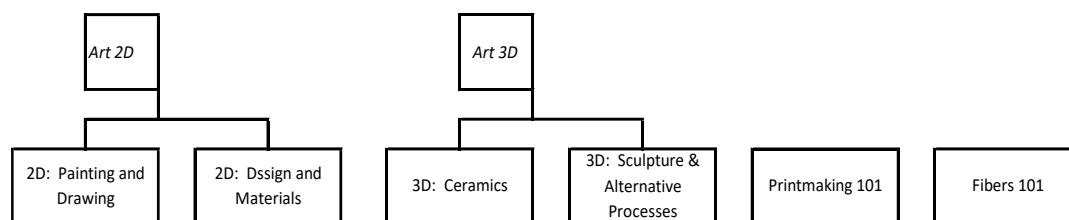
Total credits needed for graduation: 22
(A student will receive ½ credit for earning a passing grade in each semester course.)

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 AP Literature and Composition
Math (3 years)	Individualized Math Algebra A Algebra 1 Geometry	Individualized Math Algebra B 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 (1st Semester)

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 Drawing

Course Number: 100202

Length/Credits: One semester/ ½ credit

Prerequisite: Successful completion of Art Fundamentals in 2D

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.

2D Studio Art is a project orientated class focusing on the traditional artistic tools and technical processes of painting and drawing as a method of self-expression. Students will refine and apply drawing and painting skills while building their understanding of the elements of art and principles of design. Mediums explored in this course may include but are not limited to: watercolors, acrylic paint, colored pencils, charcoal, and pastels.

2D: Design and Materials

Course Number: 100203

Length/Credits: One semester/ ½ credit

Prerequisite: Successful completion of Art Fundamentals in 2D

Course Fee: \$10.00

State Course Title: Creative Art—Drawing

State Course Code: 05156A000

2D Studio Art—Design and Materials is a project orientated class focusing on less conventional 2D media projects. Topics explored in this course may include, but are not limited to: collaborative murals and installations, collage, exploration of mark making.

3D: Art Fundamentals

Course Number: 100301

Length/Credits: One semester/ ½ credit (2nd Semester)

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 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: Sculpture and Alternative Processes

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
Course Fee: \$10.00

3D Studio Art—Sculpture and Alternative Processes is a project based course focusing on alternative sculptural materials and processes as a medium for creative expression. Students will explore casting methods, reductive sculpture and additive sculpture using non-traditional materials while developing technical and creative skills.

3D: Ceramics

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
Course Fee: \$10.00

3D Studio Art—Ceramics is a project based course introducing clay as a medium for creative expression. Students will learn the basic tools and vocabulary associated with clay construction as they hone their skills. Basic hand-building methods including pinching, coiling and slab construction are employed to investigate form and develop conceptual awareness.

Printmaking

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
Course Fee: \$10.00

Printmaking 101 is a project based course exploring fine art printmaking, including block prints, monotype, collagraph and drypoint techniques. Students will gain the skills and confidence to produce multiple images by hand printing and press printing while exploring visual expressions.

Fibers 101

Course Number: State Course Title:
Length/Credits: One semester/ ½ credit State Course Code:
Prerequisite: Successful completion of Art fundamentals in 3D
Course Fee: \$10.00

Fibers 101 is a project based course exploring fiber techniques as a means of individual expression and problem solving. Students will learn to use hand sewing embroidery techniques to embellish, create traditional Shibori tie dye designs, explore the process of batik as well as hand sew a portrait.

Introduction to Digital Graphics

Course Number: 500700 State Course Title: Beginning Digital Graphics
Length/Credits: Fall Semester (1/2 credit) State Course Code: 10202A001
Prerequisite: None

Beginning Digital Graphics course provides students with the opportunity to explore the capability of the computer to produce visual imagery and apply graphic techniques. Hardware and software programs will be used to create, manipulate, edit, color, paint, and layer scanned images, and computer graphics.

Advanced Multi-Media

Course Number: 500701 State Course Title: Commercial & Advertising Art 1
Length/Credits: Spring Semester (1/2 credit) State Course Code: 11155A001
Prerequisite: Successful completion of Introduction to Digital Graphics

Students will learn to apply artistic design and layout principles along with text, graphics, sound, video to develop various print, video and digital products. Hardware and software programs will be used to create, manipulate, color, paint, and layer scanned images and computer graphics; capture, edit, create, and compress audio and video clips.

Artistic techniques will be applied to design and create advertisements, publications, brochures, logos, graphics and computer-generated media.

Yearbook

Course Number:

Length/Credits: Full Year/1 credit

Prerequisite: Multi-Media I and II with a "C" or better, or with instructor approval.

Yearbook will cover the entire process of planning, putting together and producing a yearbook for the High School. Students will be actively involved in selling advertising, taking photographs, making decisions regarding the style and content of the yearbook and working on the final product. Students need to be motivated and will be required to help cover photography at selected activities during the course of the school year.

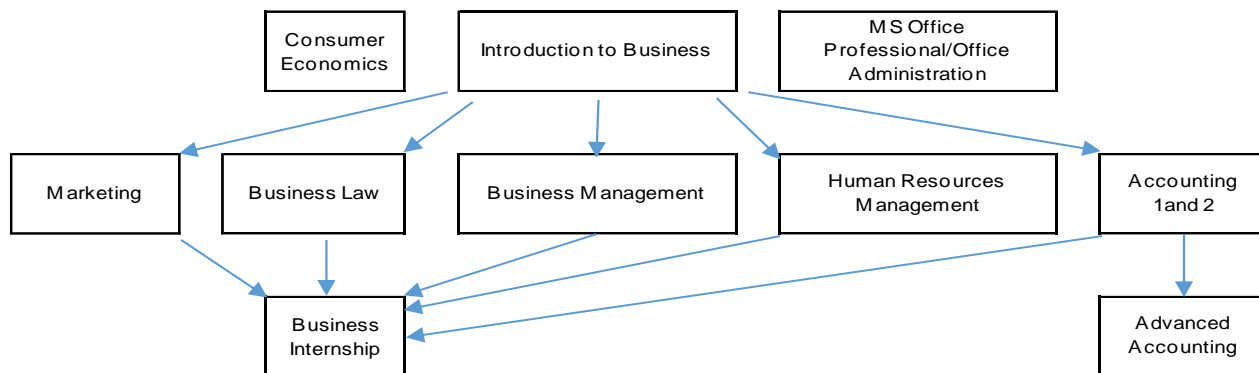
BUSINESS EDUCATION

This chart shows the sequence of courses and prerequisites.

Introduction to Business is a prerequisite for all courses except Consumer Economics and MS Office Professional/Office Administrative Practices.

All courses in the Business Education curriculum meet and exceed all content and competency Standards established by the National Business Education Association.

The Business Internship requires senior status and the completion of Introduction to Business plus any two or more business courses with a final course grade of "B" or higher prior to enrollment.



MS Office Professional/Office Administrative Practices

Course Number: 900101

Length/Credits: One semester/ ½ credit

Prerequisite: None

Course Fee: \$10.00

State Course Title: Business Computer Applications (CTE Course)

State Course Code: 12005A001

Students enrolling in this course should have a keyboarding skill level of 35 WPM with less than 5% errors to fully benefit from this course.

In this course students acquire a knowledge of and practical experience in the correct and efficient use of widely used business software programs for general business office applications with a special concentration on the Microsoft Office Professional Suite of programs including MS Word, Access, Power Point, and Excel and derivatives. Students will learn to correctly format a wide variety of business documents, prepare data displays, visuals and charts, and construct spreadsheets utilizing common business oriented financial and accounting systems. Also included in this course is an introduction to generally accepted office practices and procedures, use of common business office equipment, effective and secure use of internet and intranet systems, business e-mail and telecommunications, general office administration, and careers in office administration and management.

Introduction to Business

Course Number: 900201

Length/Credits: One semester/ ½ credit

Prerequisite: None

Course Fee: \$10.00

State Course Title: Introductory Business (CTE)

State Course Code: 12051A000

This course is designed for participation by freshman, sophomores, and juniors. Introduction to Business is intended to serve as the entry-level prerequisite course for all other business education courses. Seniors who elect to enroll in this course will be required to complete the Consumer Economics Course Project in addition to all other course requirements. Refer to the Consumer Economics course description for additional information.

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 checking/debit card account management and reconciliation, 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 designed to provide a basic functional understanding of business for students who are planning to enter a business occupation after graduation, and to provide a college-bound student with a competitive advantage in college level study in business.

In addition, each student is expected to participate in the Return-On-Investment Project as a special learning opportunity. Students will be given a simulated \$50,000 to invest in the stock market and other approved investment options discussed in class. Using research techniques, stock knowledge, and guidance provided in the course the student will carefully research, analyze, and evaluate several investment options, and fully invest the \$50,000. The initial investment will be recorded as a Portfolio using MS Excel. The student may change the investment portfolio by selling and buying using the standard 2% brokerage fee. Each buy and sell action must be fully documented with dated copies of the investment details. At the end of the course, the student will prepare an Investment Portfolio Simulated Liquidation Report accounting for all fees and capital gains/losses in MS Excel.

External Resources

This course incorporates instructional media made available to the instructor through participation with the Wharton High School of the University of Pennsylvania, Wharton School of Business and the Kelly School of Business at Indiana University, and other leading business education sources. Additional media presentations by well-known business authorities are used to supplement class instruction. These media resources include offerings from MS NBC, Fox Business, Bloomberg, Wall Street Journal, Forbes, and selected similar sources.

**Prerequisite for Continuing in the Business Education Program

A final course grade of no less than “B” in Introduction to Business is a requirement for enrolling in Accounting, Marketing, Business Law, Business Management, and the Business Internship courses.

Waiver of the Illinois Consumer Education Graduation Requirement

The content of this course meets the Illinois Consumer Education requirement for graduation and meets the Illinois Financial Literacy curriculum standard and Public Act 99-284. Students completing Introduction to Business with a final course grade of “B” (85%) or higher will have met the Consumer Education graduation requirement and are not required to enroll in the Consumer Economics course. Students who pass Introduction to Business with a final course grade below “B” (85%) receive credit for the course but must also complete the Consumer Economics course in order to meet graduation requirements.

Marketing

Course Number:	900203	State Course Title:	Marketing-Comprehensive (CTE Course)
Length/Credits:	One semester/ ½ credit	State Course Code:	12152A000
Prerequisite:	Successful completion of Introduction to Business and any additional business courses with a final course grade of a “B” (85%) or higher		
Course Fee:	\$10.00		

This course provides an introduction to the purposes, approaches, and strategies involved in the successful promotion, marketing, and sale of products and services to the public and to special targeted client and customer groups. Major topics include steps in starting a new business, selecting locations, budgeting, business plan development, market research, competitor identification and analysis, product/service pricing, advertising, risk management, product and service quality and delivery, SCM, logistics, TQM, BPR, and competitive advantage. As students progress through the course they examine real-life marketing situations and develop a marketing plan to achieve specified strategic market objectives. This course is designed to provide a basic functional understanding of business marketing for students who are planning to enter a business occupation after graduation, and provide a college-bound student with a competitive advantage in college level study in business and marketing.

This course requires competency in basic math including percent, ratios, and basic algebra for use in learning the application of marketing math formulas, statistical process control, costing, price/demand elasticity, and breakeven analysis.

In addition to assigned study and class activities, this course requires the viewing and reporting on two television business news programs available on MSNBC, CNBC, Fox Business, or Bloomberg. The student will present a business style briefing identifying key learnings from the programs and responding to questions and comments from class members. This is a graded assignment.

Return on Investment (ROE) Portfolio Management

Students who had participated in the ROE Investment activity during the prerequisite Introduction to Business course may continue their investment management activities during this course and may earn additional final exam points based on the rate of Return-On-Investment achieved during their participation in this course. To earn this additional credit the student must prepare a well-documented Investment Portfolio Update Report in MS Excel based on a simulated liquidation of all investments in the portfolio and the resulting pre-tax and post-tax capital gain or loss.

Business Law

Course Number: 900202 State Course Title: Business Law (CTE Course)
Length/Credits: One semester/ ½ credit State Course Code: 12054A001
Prerequisite: Completion of *Introduction to Business* and any additional business courses with a final course grade of “B (85%) or higher.
Course Fee: \$10.00

This course is an introduction to the basics of commercial and corporate law and the legal aspects of operating a business. Students will examine law in the areas of sales, technology, finance, insurance, bankruptcy, employment and labor relations, contract law, environmental law, the uniform commercial code, business ethics, sales law, property law, ownership and transfers, insurance law, leases, agency law, employment law, unions, corporation law, not-for-profits, borrowing, bankruptcy, commercial paper, negotiability, discharge, secured and unsecured debt. An introduction to the IRAC case analysis process is also included. This course is recommended for students considering a career in law, those planning a career as an entrepreneur, and those expecting to enroll in a university business or management degree program. .

Business Management

Course Number: 900204 State Course Title: Business Management
Length/Credits: One semester/ ½ credit State Course Code: 12052A000
Prerequisite: Completion of *Introduction to Business* and any additional business courses with a final course grade of “B (85%) or higher.
Course Fee: \$10.00

This course introduces a business student to the functions of managing the operations and employees in a business. This course provides students with a basic understanding of the foundational activities, concepts, and principles involved in planning, organizing, directing, evaluating, and controlling functions within a business. In addition, the students learn basic management processes and concepts involved in determining corporate strategy, strategic management, business structure, developing and sustaining business culture, staffing, finance, and the interconnections among industry, government, and the global economy. Included in this course are practical simulations in flow-process charting and process control, labor cost/time scheduling, cost-benefit analysis, value-added analysis, and TQM implementation. This course is recommended for students planning to earn a college degree in business and/or pursue careers as an entrepreneur, not-profit- organization management, or general supervision.

Human Resource Management

Course Number: 900205 State Course Title: Human Resource Management
Length/Credits: One Semester/ ½ credit State Course Code: 2058A000
Prerequisites: Completion of *Introduction to Business* plus two additional business courses with a final course grade in each of
of “B (85%) ” or higher, and junior or senior status.
Course Fee: \$10.00

This course presents an advanced business education student with a comprehensive foundation in the contemporary approaches to strategic human resource management and personnel administration. The central focus of the course is on the concept of human capital management and its implications for the supervision and leadership of a workforce, equal employment opportunity, affirmative action, and labor relations. Topics introduced in this course include basic principles of human relations in the workplace, job analysis and workforce planning, performance management and appraisal, compensation, discipline, promotion, recognition, reduction-in-force, termination for cause, employee safety and health, benefits, employment law, labor-management relations, community relations and responsibility. This course is recommended for college bound business students as well as students having a career goal in supervision or business ownership.

Professional Accounting

Course Number: 900401 State Course Title: Accounting
Length/Credits: Two Semesters / 1 credit State Course Code: 12104A001
Prerequisite: Completion of *Introduction to Business* and at least one additional business course with final course grades of
“B (85%)” or higher. This course requires attention to detail and a high level of competency in basic math and abstract reasoning.
Course Fee: \$20.00

Accounting is a pre-professional course of study designed to prepare a college-bound student with a comprehensive foundation for successful college level study in accounting and financial management. This program may also prepare a non-college bound student with a basic competency in professional accounting necessary to support a small business ownership goal or qualify for an entry level position as an accounting technician, accounting assistant, or related administrative/clerical support position in an accounting office. This one-year program consists of two semesters of study as follows:

First Semester (Accounting I)

The first semester of study introduces the student to the fundamental principles, concepts, and procedures used in professional accounting and the GAAP. The module content includes the exposure to the full accounting cycle, basic payroll, basic taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments applied to sole proprietorships, partnerships, and limited liability companies. Students learn how to accomplish basic accounting practices and techniques using manual journals, ledgers, registers,

working papers, trial balances, end-of-period reports, profit and loss statements, balance sheets, owner's equity statements and related reports for simple service, retailing, and related businesses. This module also provides an introduction to automated accounting systems using generic automated accounting simulations. A student must complete the first semester with a final grade of "80%" in order to continue studies in the second semester. A student who does not earn the prerequisite "B" needed to advance to the second semester but earns a passing grade will exit the program with ½ credit in accounting.

Second Semester (Accounting II)

Pre-requisite: Completion of the first semester final grade of "B (85%)" or higher.

The content of the second semester is significantly more complex than the first semester and uses the knowledge and skills gained in the first semester to develop a deeper knowledge and application skills in professional accounting with emphasis on more complex structures. The student learns to apply previously learned principles to more types of business organizations including multi-member partnerships, Sub-Chapter S entities, LLCs, PCs, closed and public corporations, not-for-profits, subsidiaries, holding companies etc. The students are introduced to specialized aspects of corporate accounting such as inventory accounting, cost accounting, tax accounting, complex payroll accounting, stock issues and dividends, 401Ks and wealth-building programs, basic internal controls and auditing. Students are exposed to simulated automated accounting systems and have an opportunity to experience selected processes used in Peachtree/Sage50, QuickBooks, Excel, and Excel-based enterprise software. A student who does not earn the prerequisite "B" in order to enroll in Advanced Accounting but earns a passing grade will exit the program with ½ credit in accounting for the second semester.

Advanced Professional Accounting (Accounting III)

State Course Title: Accounting
State Course Code: 12104A002

Advanced Accounting

Course Number: 900402

Length/Credits: One Semester/ ½ credit

Prerequisite: Completion of Accounting I (Introductory) and Accounting II (Intermediate) with a final course grade of "B (85%)" or higher

Course Fee: 10.00

This is an intensive course designed for students who have been very successful in the Accounting I and II and are interested in advancing their knowledge and proficiency in professional accounting as preparation for college accounting. A student completing Advanced Accounting may qualify for entry into an accounting position in a small business or a corporate/governmental internship in accounting. The content of Advanced Accounting is built on the concepts and understandings acquired in the Professional Accounting and includes skill areas as: financial reporting and accounts structure for a departmentalized organization; inventory management and valuation; uncollectable accounts and write-offs; plant assets, depreciation; prepaid and accrued expenses; accrued revenue earned and unearned; notes receivable; corporate accounting structure; preferred stock, common stock, stock splits, dividend and treasury stock; bond issues, redemptions, and conversions; budgetary planning and control; cost-volume-profit analysis; job order costing, overhead, D/I costs, and standard costs variance allowances; differential analysis; and internal management controls.

Additionally this offering may include an introduction to Auditing and Forensic Accounting. Students gain experience in using simulated and actual automated accounting systems to include selected processes used in Sage50, QuickBooks, Excel, and Excel-based enterprise accounting software.

Business Internship

Course Number: 900601

State Course Title: Business and Marketing—Workplace Experience

Length/Credits: One semester/ ½ credit

State Course Code: 12998A000

(This course requires a minimum 30 minutes-per-week contact hours of instruction and 10 hours-per-week of OJT)

Prerequisite: Senior status (juniors with administrative approval) and the completion of three or more business courses each with a final course grade of "B (85%)" or higher.

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

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 independently search for and obtain a paid or unpaid position in industry, commerce, or agri-business in which the student will be required to spend a minimum of 10 hours per week. An individual development plan (IDP) is prepared jointly by the student and the employer with guidance from the Business Education instructor. The IDP must be presented and approved by the Business Education 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. In service instruction, guidance, and progress assessment is provided through weekly meetings with the Business Instructor. The student's on-the-job learning and work performance is evaluated by the employer at the end of each 4½ week period using an EDHS-provided evaluation form. The student's final course grade will be determined by the business instructor based on the employer's periodic evaluation and the instructor's assessment of the student's learning achievements.

Consumer Economics

Course Number: 900801

State Course Title: Consumer Economics/Personal Finance

Length/Credits: One semester/ ½ credit

State Course Code: 22210A000

Prerequisite: Senior status (juniors with administrative approval)

This is a required course for graduation in the State of Illinois for those students who have not qualified for an exemption through high level achievement B (85%) in the *Introduction to Business* course (ITB).

This course covers the basic information an adult should have to be an intelligent and informed 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. Full attendance, productive participation, and a grade of no lower than 70% on each of six Financial Literacy Exams, and an average grade no lower than 70% for all Chapter Tests is required for graduation eligibility.

CRIMINAL JUSTICE

Introduction to Criminal Justice

Course Number:
Length/Credits: One Semester/ ½ credit
Prerequisite: Open to Juniors or Seniors

State Course Title: Law Enforcement
State Course Code: 15051A003
CTE Course

This course is designed to provide the student with a general overview of criminal justice in the United States through its historical and philosophical development. Amongst other sections of the course, there is a discussion on career options in criminal justice as well as a discussion on the future of Criminal Justice. This survey and analysis reveals the integrated elements of the larger system.

Introduction to Corrections

Course Number:
Length/Credits: One Semester/ ½ credit

State Course Title: Corrections
State Course Code: 15052A001
CTE Course

This course is designed to provide the student with an overview of the historical development of the correctional system in the United States. This survey and analysis reveals the history, evolution, and philosophy of punishment and treatment leading to correctional practices in both institutional and non-institutional environments. Relevant matters of constitutional law will also be covered.

Juvenile Justice

Course Number:
Length/Credits: One Semester/ ½ credit
Prerequisite: Open to Juniors or Seniors

State Course Title: Law Enforcement I
State Course Code: 15051A003
CTE Course

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations.

Criminology

Course Number:
Length/Credits: One Semester/ ½ credit
Prerequisite: Open to Juniors or Seniors

State Course Title: Criminology
State Course Code: 15053A001

Criminology courses provide students and overview of the field and the theories of criminology. These courses explore crime, criminal behavior, and the law. Topics typically covered may include sociological and psychological motivations for crime, major criminology theories, patterns and behaviors, crime prevention, law enforcement, and criminal justice systems, among others.

DRIVER EDUCATION

Driver Education

Course Number: 800853
Length/Credits: One semester/ ½ credit
Prerequisite: Open to sophomores for the fall semester and the oldest freshmen for the spring semester.
Course Fee: \$75.00

State Course Title: Drivers' Education—Classroom and Laboratory
State Course Code: 08152A001

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.

FOREIGN LANGUAGE

Spanish 1

Course Number: 500550
Length/Credits: Full year course/1 credit
Prerequisite: None

State Course Title: Spanish I
State Course Code: 06101A000

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

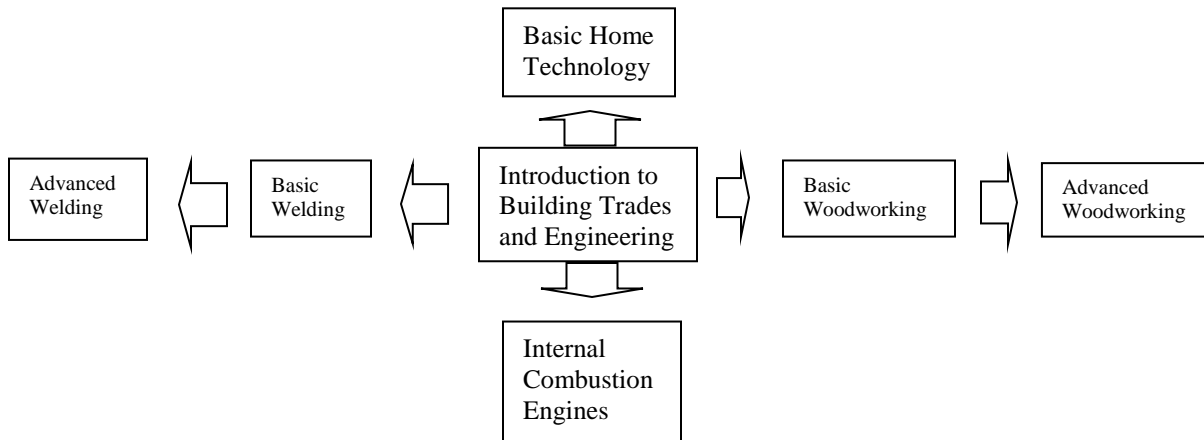
Course Number: 500554
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Spanish 2 (With a grade of "C" or better)

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



Introduction to Building Trades and Engineering

Course Number: 300101
Length/Credits: Full year course/ 1 credit
Prerequisite: None
Course Fee: \$20.00

State Course Title: Introduction to Technology and Engineering (Industrial)
State Course Code: 21052A002

Introduction to Building Trades 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

State Course Title: Cabinetmaking

Length/Credits: Fall semester/ ½ credit

State Course Code: 17007A003

Prerequisite: Successful completion of Introduction to Building Trades with a “C” or better.

Course Fee: \$20.00

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: Spring semester/ ½ credit

State Course Code: 17007A001

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

Course Fee: \$20.00

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.

Basic Welding

Course Number: 300301

State Course Title: Welding Technology I

Length/Credits: Fall semester/ ½ credit

State Course Code: 13207A001

Prerequisite: Successful completion of Introduction of Building Trades with a “C” or better.

Course Fee: \$20.00

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. Students will have the option to earn Highland Community College credit through successful completion of this class.

Advanced Welding and Metal Fabrication

Course Number: 300302

State Course Title: Welding Technology II

Length/Credits: Spring semester/ ½ credit

State Course Code: 13207A002

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

Course Fee: \$20.00

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. Students will have the option to earn Highland Community College credit through successful completion of this class.

Internal Combustion Engines

Course Number: 300401

State Course Title: Small Engine Repair I

Length/Credits: One semester/ ½ credit

State Course Code: 20110A001

Prerequisite: Successful completion of Introduction of Building Trades with a “C” or better.

Course Fee: \$20.00

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: Successful completion of Introduction of Building Trades with a “C” or better.

Course Fee: \$20.00

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.

Industrial Technology Co-op/Apprenticeship

Course Number: 300601 State Course Title: Manufacturing—Workplace Experience
Length/Credits: One semester/ ½ credit (Spring) State Course Code: 13998A000
Prerequisite: Successful completion of Introduction to Building Trades and Engineering plus a minimum of two more IT courses.

This course will provide students with work experience in fields involving manufacturing or construction, supported by classroom instructors. Goals are set cooperatively by the student, teacher and employer (students may or may not be paid for this course). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

***All Industrial Technology students 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 9 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. *This course will be a combination of students from grades 9 and 10 who qualify for the concepts level courses. This course will next be offered in 2022-23.

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. * This course will be a combination of students from grades 9 and 10 who qualify for the honors level courses. This course will be offered every other year with the next offering in 2023-24.

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 10 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. * This course will be a combination of students from grades 9 and 10 who qualify for the concepts level courses. This course will be offered every other year with the next cycle in 2023-24.

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. * This course will be a combination of students from grades 9 and 10 who qualify for the honors level courses. This course will next be offered in 2022-23.

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 11 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. * This course will be a combination of students from grades 11 and 12 who qualify for the concepts level courses. This course will be offered every other year with the next cycle in 2023-24.

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. * This course will be a combination of students from grades 11 and 12 who qualify for the honors level courses. This course will be offered every other year with the next cycle in 2023-24.

AP Literature and Composition

Course Number: 500544

Length/Credits: Full Year course/1 credit

Prerequisite: Students must earn at least "B's" in their respective English course and have instructor approval

AP Literature and Composition is a college-level reading and writing course which will prepare students to take the AP Literature and Composition test in May. By achieving a successful score on the AP Literature and Composition Exam, students may receive credit and/or advanced placement coursework in college. Students may earn college credit, depending on the results of the examination and the individual college/university they will be attending.

AP Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. As they read, students consider a work's structure, style and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course provides students with the skills in analytical reading and expository writing necessary to prepare them for college-level reading and writing. Summer reading and writing will be required of students who enroll in AP Literature and Composition.

Prospective students should clearly understand the rigorous nature of the AP Literature and Composition course before signing up. This course is offered in alternating years, with the next offering in 2022-23.

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. Students will deliver informative, demonstration and persuasive speeches, as well as a Ted Talk.

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 12 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 thematically explores British and world literature from early civilizations through the 21st century.. 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. * This course will be a combination of students from grades 11 and 12 who qualify for the concepts level courses. This course will next be offered in 2022-23.

Creative Writing

Course Number:

State Course Title: Creative Writing

Length/Credits: One semester/½ credit

State Course Code: 01104A001

Prerequisite: Successful completion of freshman and sophomore English classes and Junior or Senior standing

This course will introduce students to a variety of creative writing genres including short stories, poems, plays and creative nonfiction. Through traditional instruction and a writer's workshop approach, students will learn about the writing process, read a variety of published works, generate a great deal of their own writing, share their writing with peers and bring writing pieces to publication. This course is available only to juniors and seniors who have successfully completed freshman and sophomore English classes.

Novels

Course Number:

State Course Title: Literature

Length/Credits: One semester/½ credit

State Course Code: 01053A001

Prerequisite: Successful completion of freshman and sophomore English classes and Junior or Senior standing

This course will introduce students to a variety of contemporary and/or canonical novels. Students will read, summarize, analyze, and discuss course material, with an emphasis on theme and how literature reflects, interprets, and affects real life. This course is available only to juniors and seniors who have successfully completed freshman and sophomore English classes.

MATHEMATICS

A chart to show the sequence of Math courses. Students will follow the line across from *left to right*—not up and down.

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Algebra A	Algebra B	Geometry Concepts	Discrete Math
Algebra A	Algebra 1	Geometry	Algebra II
Algebra 1	Geometry Concepts	Discrete Math	Algebra II
Algebra 1	Geometry	Discrete Math	Algebra II
Algebra 1	Geometry	Algebra II	Pre-Calculus
Geometry	Discrete Math	Algebra II	Pre-Calculus
Geometry	Algebra II	Pre-Calculus	AP Calculus AB

Algebra A

Course Number: 400413

State Course Title: Pre-Algebra

Length/Credits: Full year course/1 credit

State Course Code: 02051A000

Prerequisite: None

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

State Course Title: Algebra I

Length/Credits: Full year course/1 credit

State Course Code: 02052A000

Prerequisite: Open to freshmen or students who have successfully completed either Pre-Algebra or Algebra 1 Concepts

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 B

Course Number: 400412

State Course Title: Algebra I

Length/Credits: Full year course/1 credit

State Course Code: 02052A000

Prerequisite: Successful completion of Algebra A

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

State Course Title: Geometry

Length/Credits: Full year course/1 credit

State Course Code: 02072A000

Prerequisite: Successful completion of Algebra 1 or Algebra 1 Concepts (with instructor approval)

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

State Course Title: Geometry

Length/Credits: Full year course/1 credit

State Course Code: 02072A000

Prerequisite: Successful completion of Algebra 1 Concepts or Algebra 1 (with instructor approval)

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

State Course Title: Algebra II

Length/Credits: Full year course/1 credit

State Course Code: 02056A000

Prerequisite: Successful completion of Geometry, Geometry Concepts (with instructor approval) or Discrete Math

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

State Course Title: Discrete Mathematics

Length/Credits: Full year course/1 credit

State Course Code: 02102A000

Prerequisite: Successful completion of Geometry Concepts or Geometry

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: Semester Course/1/2 credit (Offered Both Semesters)

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 utilizing the weight room on a daily basis.

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 nutrition, mental health and stress management, depression, teen suicide, nicotine, drug and alcohol abuse and prevention, consumer health issues, and reproductive health. The course may also include brief studies of the leading health indicators, 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, life processes, and the relationships between living things. This course includes, but is not restricted to, ecology, cell biology, genetics, and evolution. The students will also survey the different classifications of life forms with an emphasis on the ecological and evolutionary relationships between different species. The students will use laboratory experiments, models, charts, data, and technology to comprehend the concepts presented. This course is required for graduation for those students not placed in Honors Biology.

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, life processes, and the relationships between living things. This course includes, but is not restricted to, ecology, cell biology, genetics, and evolution. The students will also survey the different classifications of life forms with an emphasis on the ecological and evolutionary relationships between different species. The students will use laboratory experiments, models, charts, data, and technology to comprehend the concepts presented. This course will go into greater depth than general 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)

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. This course is offered every other year, alternating with Chemistry. The next year this course will be offered is the 2016-2017 school year.

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)

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. This course is offered every other year, alternating with Physics. The next year this course will be offered is the 2015-2016 school year.

Physiology

Course Number: 600642
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Biology
Course Fee: \$10.00

State Course Title: Physiology
State Course Code: 03055A000

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
Length/Credits: Full year course/1 credit
Prerequisite: Successful completion of Pre-Algebra is recommended.

State Course Title: Principles of Technology
State Course Code: 03153A000

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.

Environmental Science

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

State Course Title: Science, Technology and Society
State Course Code: 03003A000

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Introduction to Health Occupations

Course Number: 201001
Length/Credits: One semester/ ½ credit (Fall)
Prerequisite: Open to Juniors and Seniors (Sophomores with administrative approval)

State Course Title: Orientation to Health Occupations
State Course Code: 14059A001 (CTE Course)

This course will expose students to the variety of opportunities available within the healthcare industry (e.g.; nursing, therapy, vision and dental care, administrative services, and lab technology), and will include classroom and community-based activities. The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interest to a tentative career choice. The course content will provide in-depth information into health occupations careers and trends, the occupational and educational opportunities, and the educational, physical, emotional, and attitudinal requirements.

Medical Terminologies

Course Number: 201002
Length/Credits: One semester/ ½ credit (Spring)
Prerequisite: Successful completion of Introduction to Health Occupations

State Course Title: Medical Terminology
State Course Code: 14154A000 (CTE Course)

This course will teach students how to identify medical terms by analyzing their components. This course emphasizes defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This course is a dual credit offering in conjunction with Highland Community College.

SOCIAL STUDIES

World History

Course Number: 700722
Length/Credits: Full year course/1 credit
Prerequisite: None

State Course Title: World History—Overview
State Course Code: 04051A000

World History—Overview course that provides students with coverage of the history of human society from the Renaissance to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History may include geographical studies, but are taught within the historical units. World History is a one-year required course for sophomores except those enrolled in World History Concepts.

World History Concepts

Course Number: 700721
Length/Credits: Full year course/1 credit
Prerequisite: Placement by teacher recommendation only

State Course Title: World History—Overview
State Course Code: 04051A000

World History Concepts is a course designed to familiarize students with essential geographic, historical, and cultural facts including the study of atrocities during the Holocaust. It is required of sophomores and juniors who qualify through teacher placement and who are 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—This is an overview course from Reconstruction to present day examining the growing industrial world, the U.S. growth into a world superpower, segregation and civil rights, the modern economy, and terrorism. U.S. History courses may include geographical studies, but are taught within historical units. U.S. History is a one-year required course for juniors except those enrolled in U.S. History Concepts.

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—This is a course designed to familiarize students with basic historical concepts of U.S. History from Reconstruction through the present day. U.S. History Concepts courses may include geographical studies, but are taught within historical units. U.S. History Concepts is required of sophomores and juniors who qualify through teacher placement and are not enrolled in U.S. History.

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/1 credit

State Course Code: 04256A000

Prerequisite: Open to juniors and seniors (with Social Studies teacher’s approval)

AP Psychology offers an introduction to psychology and prepares students to take the AP Psychology Examination, which is administered in May. By achieving a successful score on the AP Psychology Exam, students may receive credit and/or advanced placement course work in college. Students may earn college credit, depending on the results of the examination and the individual college/university they will be attending.

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major sub-fields within psychology. The AP Psychology course stresses critical thinking, reading, and writing within the context of scientific methodology and questioning.

Prospective students should clearly understand the rigorous nature of the AP Psychology course before signing up. This course will be offered in alternating years, with the next offering in 2023-24.

AP European History

State Course Title: AP European History

Course Number: 700744

State Course Code: 04056A000

Length/Credits: Full Year/1 credit

Prerequisite: Open to 10th, 11th and 12th with Teacher/Administrative Approval

AP European History focuses on developing students’ understanding of European history from approximately 1450 to present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

Prospective students should clearly understand the rigorous nature of the AP European History course before signing up. AP European History will replace World History for the students who choose to take it. Students may earn college credit depending on AP test scores and college requirements. Summer reading may be required. This class will be reading and writing intensive. This course will be offered in alternating years, with the first offering in 2023-24.

AP United States History

Course Number: 700745

Length/Credits: Full Year/1 credit

Prerequisite: Open to 10th, 11th and 12th with Teacher/Administrative Approval

State Course Title: AP United States History

State Course Code: 04056A00

AP U.S. History focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; American in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

Prospective students should clearly understand the rigorous nature of the AP United States History course before signing up. This class will replace U.S. History for students who choose to take it. Students may earn college credit depending on AP test score and college requirements. Summer reading may be required. The class will be reading and writing intensive. This course will be offered in alternating years, with the first offering in 2022-23.

Current Events

Course Number: 700743

Length/Credits: One semester/ ½ credit

Prerequisite: Open to juniors and seniors

Course Fee: \$15.00

State Course Title: Contemporary U.S. Issues

State Course Code: 04106A000

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.