
Effingham High School Course Catalog

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GRADUATION REQUIREMENTS

- ❑ 4 credits of English
 - 1 credit of English I
 - 1 credit of English II
 - 1 credit of English III
 - 1 credit of 12th grade English electives
 - ❑ 2 credits of Social Studies
 - ½ credit of American History I
 - ½ credit of American History II
 - ½ credit of American History III
 - ½ credit of American Government (must complete 6 hours of community service)
 - ❑ 3 credits of Math
 - 3 credits of math (must include one year of Algebra I and Geometry)
 - ❑ 2 credits of Science
 - 1 credit of Biology
 - 1 credit of Investigative Science/Upper Level Science
 - ❑ 1½ credits of Career and Technical
 - ½ credit of Computer Applications I
 - ½ credit of Business and Technical Concepts
 - ½ credit of any Career and Technical elective
 - ❑ ½ credit of Health
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- ❑ Must satisfy state requirements for Consumer Education and Career Education by passing Business and Technical Concepts (included in Career and Technical requirement)
 - ❑ Must satisfy district and state requirements for Safety and Health Education by passing Health
 - ❑ Must be enrolled in Physical Education for four years

Total Credits: 23 (must be enrolled in at least six credits each year)

State of Illinois
Board of Higher Education

ADMISSION REQUIREMENTS FOR PUBLIC COLLEGES AND UNIVERSITIES IN ILLINOIS

The Board of Higher Education hereby announces that it has established statewide minimum admission standards for public colleges and universities in Illinois. The following high school subjects may be required to meet admission standards at public universities:

Minimum Requirements

English (emphasizing written and oral communications and Literature)	4
Social Studies/Social Science (emphasizing history and government)	3
Mathematics (introductory through advanced Algebra, Geometry, Trigonometry)	3
Science (laboratory sciences)	3
Foreign Language (music or art)	2

Individual public universities and community colleges may have other subject requirements, as well as other requirements involving test scores and grade point averages. Applicants must contact each college or university individually for details about requirements.

DUAL CREDIT COURSES

Effingham High School, in partnership with Lake Land College, is able to offer the below classes for high school and college credit. Additional dual credit courses may be added with Board approval. **In order to attain college credit, Lake Land College requires the following qualifications be met: students must be of junior or senior standing and must have a cumulative GPA of 2.0 or better.** Students must maintain a 2.0 GPA in order to remain in the dual credit program. Student grades will be recorded for the college level course at Lake Land College and will become part of the student's permanent college record. Students will also receive high school credit for the course and the grade will appear on the students' permanent high school record. In order to receive college credit for the course, students may miss no more than 10 days of class within a semester. This includes excused and unexcused absences; doctor excused absences and planned absences will not be counted in the total number of days. Students who miss more than 10 days will be withdrawn from the Lake Land course and will receive a "W" on their college transcript. If absences take place in the last few weeks of school, a failing grade may result. Individual courses may have additional testing requirements to show college level aptitude. Those requirements are listed under the description of each class in the course catalog. There is a maximum of 32 credit hours that students can receive while in high school. Students may withdraw from the college portion of the course (due to low grades) prior to the last 2 weeks of the Lake Land College semester but must remain in the high school portion of the course. Dual credit classes have an additional course fee associated with them.

Math Options (transferable courses):

Analytical Geometry and Calculus *Appears on 2 nd semester LLC transcript	MAT-241, 5 sem. hours	ACT Requirement: 27+ (on the math section) SAT Requirement: 650+ (on the math section) *Student can also qualify by taking College Algebra and Trigonometry as a pre-req.
College Algebra	MAT-130, 4 sem. hours	ACT Requirement: 22+ (on the math section) SAT Requirement: 530+ (on the math section)
Finite Math	MAT-210, 3 sem. hours	ACT Requirement: 25+ (on the math section) SAT Requirement: 620+ (on the math section) *Student can also qualify by taking College Algebra as a pre-req..
Statistics	MAT-125, 3 sem. hours	ACT Requirement: 22+ (on the math section) SAT Requirement: 530+ (on the math section)
Trigonometry	MAT-132, 3 sem. Hours	ACT Requirement: 25+ (on the Math Section) SAT Requirement: 620+ (on the Math Section) *Student can also qualify by taking College Algebra as a pre-req.

English Options (transferable courses):

Composition I	ENG-120, 3 sem. hours	ACT Requirement: 19+ (on the English section) SAT Requirement: 480+ (on the evidence based reading and writing section)
Composition II	ENG-121, 3 sem. hours	Comp I is a pre-requisite for Comp II
Introduction to Literature	LIT-130, 3 sem. hours	No prerequisites

Science Options (transferable courses):

Biology II	BIO 100, 4 sem. hours
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Business Options (transferable courses):

Introduction to Business	BUS-142, 3 sem. hours
Legal Environment of Business	BUS-200, 3 sem. hours
Practical Software	CIS-160, 3 sem. hours
Creating Entrepreneurial Opportunities (CEO)	Business Career Development, BUS 120, 3 sem. hours BUS-142, Intro to Business, 3 sem. Hours (only if students haven't received prior credit

History Option (transferable courses):

History and Culture of the Third World	HIS-153, 3 sem. hours
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Technical Options (only transferable into specific certificate/degree programs):

CAD I	TEC-045, 2 sem. hours
CAD II	CAD-056, 2 sem. hours
Health Occupations	AHE 040, AHE 051, 11 sem. Hours
Manufacturing Skills	TEC 043, TEC 046, TEC 047, TEC 049, TEC 051, TEC 055, TEC090, TEC 045, TEC 048 18 sem. hours
Production Metal I	WEL-057, 2.5 sem. hours
Production Metal II	WEL-047 and WEL-058, 4 sem. hours

ENGLISH

English I – Full Year – Credit: 1: This class meets the state standards for a writing intensive course. English I is a course that contains elements of grammar, literature, writing, and vocabulary. With integrated technology experiences, students work thoroughly within the discipline of each of these areas. Grammar units review the ten composition errors. Literature units review literary elements and figurative language through the fundamentals of short stories, poetry, plays, and epics, and students synthesize this information in written responses to literature. Other writing forms include paragraph construction and expository, persuasive, and narrative essays as well as the research paper.

English I Honors – Full Year – Credit: 1: Prerequisite: Approval of instructor/admission process. English I Honors is a writing-intensive course that contains elements of grammar, literature, writing, and vocabulary, incorporating a diversity of technology tools. Students work thoroughly within the discipline of each of these areas. Grammar reviews the ten composition errors. Emphasis is placed on expository writing, as well as literary analysis and persuasive writing. Literature makes use of the literary elements and figurative language, and students synthesize this information in writing in response to literature. Other writing forms include expository, persuasive, and narrative essays. Instruction is given in the MLA format for research papers.

English II – Full Year – Credit: 1: Prerequisite: Successful completion of English I. This class meets the state standards for a writing intensive class. The English II class involves an intense overview of composition, grammar and writing rules, with some literature. The class especially emphasizes writing, including the research paper.

English II-Honors – Full Year – Credit: 1: Prerequisite: Successful completion of English I Honors or approval of instructor. This class meets the state standards for a writing intensive class. Essentially the same curriculum as English II, the English II Honors class requires a larger quantity of greater quality assignments in a shorter amount of time. The student is expected to write many essays, conduct complete and accurate research for various papers, and to involve himself/herself in numerous in-class activities and projects, using a variety of technology tools.

English III – Full Year – Credit: 1: Prerequisite: Successful completion of English II. English III offers further study of literature, composition, and grammar, incorporating a diversity of technology tools. Students read a great variety of genres including nonfiction, the novel, the drama, the short story, and poetry. The class also reinforces grammar and writing rules with regular exercises and compositions.

English III-Honors – Full Year – Credit: 1: Prerequisite: Successful completion of English II Honors or approval of instructor. English III Honors class is a college-prep class which concentrates on college-level reading comprehension and college-level written critical analyses. The course combines a study of all areas of English: literature, composition, and grammar. Students study a variety of genres in American literature. This class is especially project-driven requiring familiarity with technology tools to gather and present information.

Media Literacy and Culture – Semester – Credit: ½: Prerequisite: 12th grade. This project-based class will equip students with the ability to read, comprehend, and evaluate information, including the multi-cultural and diverse mass communication accessible on the Internet. The course will emphasize the use of print, radio, TV, and web sources as important means of understanding our world. With a variety of oral and written assignments enhanced by a variety of programs and software, the students will develop their skills to think critically and take part in responsible 21st century literacy.

Career Communications – Semester – Credit: ½: The course focuses on the identification and development of communication skills sought after by employers in a wide variety of employment opportunities. Designed particularly for students choosing a career path upon high school graduation, this course will concentrate on a number of skills, including Group Problem Solving, Organizational Communications, Public Relations, Interpersonal Communications, Presentation Skills for both training and informative purposes, and Marketing and Advertising Techniques. Course Objectives: Develop a broad array of communication skills used in multiple occupations and career choices.

Composition I & II – Credit: high school – 1; college – 6 (ENG 120, ENG 121): Prerequisite: (for high school credit) – 12th grade standing and successful completion of English II and III or permission of the instructor. Prerequisite: (for dual credit) – Comp I – minimum GPA of 2.0 and 19+ on English ACT; 480+ on the Evidence Based Reading and Writing section of the SAT or qualifying score on LLC assessment test; Comp II – C or higher in Comp I. Composition is a course designed for students who plan to attend a junior college or a four-year college or university. Through integrated technology experiences, the class gives the student maximum preparation for freshmen rhetoric in college. The course teaches students how to write expository, narrative, and argumentative essays eventually improving their style and craft as they learn to analyze, investigate, and properly format research papers. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Introduction to Literature – Semester – Credit: high school – ½; college – 3 (LIT 130): Prerequisite: 11th or 12th grade standing. This course is a college preparatory literature class. The course is designed to expose students to a diverse, mature, and sometimes controversial selection of literary works including drama, the modern novel, poetry, short fiction, and mythology. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

MATH

Algebra I – Full Year – Credit: 1: Prerequisite: None. This course is a study of the fundamental structure and foundation of algebra. Topics include real number operations and solving linear equations, systems of equations and quadratic equations. Other topics include operations with polynomials (including their factorization) and algebraic fractions, ratio and proportion, graphing in the coordinate plane and irrational numbers. Word problems are included as practical applications of the concepts and techniques.

Geometry – Full Year – Credit: 1: Prerequisite: Algebra I. This course is the modern study of the basic structure of geometry with emphasis on deductive reasoning, geometric relationships, coordinate geometry and measurements of geometric figures. Numerical trigonometry and solid geometry are integrated throughout the course. The course includes a strong emphasis on proofs.

Algebra II – Full Year – Credit: 1: Prerequisite: Algebra I and Geometry. The course includes study of sets, basic structures, solving equations, factoring, polynomials, series, sequences and progressions, graphing, rational and irrational numbers, logarithms, matrices, determinants and quadratic functions.

Integrated Algebra II – Full Year – Credit: 1: Prerequisite: Algebra I and Geometry. This course includes the study of several of the same topics as Algebra II; however, this course will proceed at a slower pace.

Applied Mathematics – Full Year – Credit: 1: Prerequisites: Algebra I and Geometry, along with a teacher recommendation. Grade level: Junior or Senior. This course will cover a variety of mathematical topics that will aid in students' possible career choices and consumer decisions. This course is designed to be a project based class. The topics for this class will include: Mathematics in Construction, Mathematics in Retail, Mathematics in Manufacturing, Mathematics in Health Care and Mathematics in Finance. This class is geared toward non-university students needing a third math credit, but not needing Algebra II for their chosen career paths.

Transitional Mathematics – Full Year – Credit: 1: Prerequisite: Student has met the graduation requirement for math (3 credits) and 12th grade standing. This course will apply a variety of concepts in which students will apply, analyze, and evaluate characteristics of functions. Students will simplify expressions, solve equations, and graph functions from the linear, polynomial, rational, radical, and exponential function families. Students will create, solve, and reason with systems of equations and inequalities. All topics will include authentic problem solving situations.

College Algebra – Semester – Credit: high school – ½ college – 4 (MAT-130): Prerequisite: *Algebra I, *Geometry, *Algebra II (*Integrated math classes cannot be substituted) and either a Math ACT score of 22 (or above); or an SAT score of 530 on the math section or a qualifying score on LLC assessment test. This course is a review of the real number system, radicals, equations, exponents, relations, functions, and logarithms, systems of equations, matrices, complex numbers, polynomials and theory of equations. A graphing calculator is required. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam

Trigonometry – Credit: high school – ½ college – 3 (MAT 140): Prerequisites: College Algebra or one of the following: 1) Math ACT score of 25 (or above) 2) SAT score of 620 on the math test score section or 3) a qualifying score on the LLC assessment test. This course involves a unified study of the algebraic and trigonometric concepts needed for calculus. Students cannot take course if they have completed College Algebra. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam

Finite Mathematics– Semester – Credit: high school – ½ college-3 (MAT 210): Prerequisites: Algebra II and one of the following: 1) Math ACT score of 25 (or above); 2) SAT score of 620 on the math section; 3)qualifying score on LLC assessment test; 4) successful completion of College Algebra. This course is an introduction to Finite Mathematics, matrices, linear systems of equations and inequalities, linear programming, counting theory and probability. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Statistics– Semester – Credit: high school – ½ college – 3 (MAT-125): Prerequisites: Algebra II and one of the following: 1) Math ACT score of 22 (or above); 2) SAT score of 530 on the math section 3)qualifying score on LLC assessment test. This course is an application of elementary principles of descriptive statistics including frequency distribution, graphical presentation, measure of location and variation. Elements of probability, sampling techniques, binomial and normal distribution and other topics are discussed. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Analytical Geometry and Calculus I– Full Year – Credit: high school – 1; college – 5 (MAT-241): Prerequisite: *Algebra I, *Geometry, *Algebra II, (*Integrated math classes cannot be substituted) and one of the following: 1) Math ACT score of 27 (or above); 2) SAT score of 650 on the math section; 3) qualifying score on LLC assessment test; 4) successful completion of College Algebra and/or Trigonometry. This course is a study of derivatives and integrals of functions of one variable, such as polynomial and rational functions, trigonometric and inverse trigonometric functions and logarithmic and exponential functions. Applications include rates of change, optimization, curve sketching and area under a curve. A graphing calculator is required. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

SCIENCE

Biology I – Full Year – Credit 1: Prerequisite: None. Biology I involves the study of living organisms, including vocabulary and principles of basic life functions. It is also a course used to partially satisfy the minimum requirement of science necessary for graduation. Areas discussed include biochemistry introduction, ecology, cells, genetics, classifications and a survey of the kingdoms of life.

Investigative Science – Full Year – Credit 1: Prerequisite: 10th grade standing or passing Biology. Investigative Science explores human's place within the Universe. Students will investigate space, Earth, Earth functions, human and earth interactions, physics, and chemistry. This is a sophomore level class used to partially satisfy minimum state requirements of science necessary for graduation. Students will work to answer the following essential questions: How are waves used to transfer energy and information? What is the Universe and what is Earth's place in it? How and why is Earth changing? How do Earth's surface process and human activities affect each other? How is energy transferred and conserved? How can the various proposed design solutions be compared and improved? How can one explain the structure, properties, and interactions of matter?

Physical Science I – 1st semester / Physical Science II – 2nd semester – Credit: ½ each semester: Prerequisite: Algebra I and passed Biology I. (Note: Any student having passed Chemistry or Physics may not be enrolled in Physical Science for credit). Physical Science is the study of matter and energy and how it affects our universe. The first semester covers topics in physics such as velocity, acceleration, force, work and levers. The second semester includes both chemistry and physics topics. Chemistry topics include atoms, molecules, elements, chemical formulas, chemical equations, acids and bases. Physics topics include electromagnetic waves, sound, light, mirrors, lenses, electricity and magnetism.

Chemistry I – Full Year – Credit: 1: Prerequisite: Algebra I and 11th grade standing or permission of the teacher. This course is the study of the structure and composition of materials and the changes they undergo in chemical reactions. A survey course dealing with the basic chemical principles, particularly those involved in inorganic chemistry, qualitative and quantitative analysis are dealt with also. OSHA regulations – no contact lenses can be worn during labs. Safety goggles must be worn during all labs.

Anatomy & Physiology – Full Year – Credit: 1: Prerequisite: Biology I and Chemistry I or Biology I and Physical Science with teacher approval. This course is designed for college-bound students interested in health/science careers. The focus of the first semester is review of cellular processes and introduction to embryology, biochemistry and tissue formation. The focus of the second semester is the anatomy and physiology of the systems within the human body. This course emphasizes critical thinking skills through complex diagrams, physiology flow charts, laboratory work/analysis, research and detailed cat dissection.

Chemistry II – Full Year – Credit – 1: Prerequisite: Chemistry I. This course is a continuation of Chemistry I, dealing with areas not included in Chemistry I. This is not a substitute for a first year college course in Chemistry.

Biology II/Advanced Biology – Full Year – High School Credit - 1, College Credit – 4 (BIO 100): Prerequisite: Biology I and Chemistry I or Biology I and Physical Science with teacher approval. Students will cultivate their understanding of biology through inquiry-based investigations as they explore topics that include the study of organic compounds, cellular processes, DNA technologies, genetic engineering, microbiology, plants, and animals. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Physics – Full Year – Credit: 1: Prerequisite: Algebra II and 11th grade standing: Chemistry I recommended; strongly recommend enrollment in pre-calculus. This laboratory course includes the study of forces, velocity, acceleration, friction, electricity, machines, magnetism, heat, lenses, mirrors and light. This course is designed for college-bound students interested in science and should appeal to everyone who enjoys lab experiment problem solving, independent thinking and the freedom of self-discipline.

SOCIAL STUDIES

Western Civilization I: Semester - Credit: ½: Western Civilization I will cover the time frame from the first humans up to the Renaissance and Reformation. The course will focus on the story of the human community – how people lived on a daily basis, how they shared ideas, how they ruled and were ruled, and how they fought. Western Civilization I includes big subjects like economics, politics, and social change, but it is also the story of dreams fulfilled or unfulfilled, personal creativity, and philosophical and religious inspiration. Western Civilization I will explore the following themes: politics and history, the role of ideas, economics and history, the importance of cultural development, religion in history, the role of individuals, the impact of science and technology, the environment and history, and social life.

Western Civilization II: Semester - Credit: ½ : Western Civilization II will be a survey of the political, economic, cultural and social development of Western Civilization from the Middle Ages (1000) through the 19th century. Topics will include feudalism, the plague, the Renaissance, the Reformation, age of absolutism, the scientific revolution, the Enlightenment, French Revolution, industrialization and the rise of nationalism. The course will feature writing assignments, document analysis, and in-class debates on various topics in Western Civilization.

Contemporary America: Semester - Credit ½: This course takes a look at American life, institutions and policy since the Watergate era, with special emphasis on a changing society, foreign policy and presidential politics. This class is a reading and writing intensive course. Grades 10-12.

American History I – Semester – Credit: ½: The American History I course will cover the time frame of 1850 to 1900. The course will cover the events leading up to the Civil War. The course will examine the continued growth of the United States, focusing on the impact that western expansion, the industrial revolution and immigration had on the development of cities and other social movements.

American History II – Semester – Credit: ½: Prerequisite: 11th-grade standing. The American History II course will cover the time frame of 1900 to 1950. The course will examine the concept of progressivism and its efforts to solve the social problems of the time period. The course will also analyze foreign policy issues such as imperialism, nationalism, and isolationism. The economic impact of the Great Depression, the New Deal, and both World Wars will also be examined.

American History III – Semester – Credit: ½: Prerequisite: 12th-grade standing. The American History III course will cover the time frame of 1950 to current day. The semester will be divided equally between two distinct strands of history. The semester will focus on the study of the role of the United States in foreign affairs and the impact that the U.S. involvement had on the world and on American society. The second half of the semester will focus on the study of domestic events occurring in the United States and how our modern society has been shaped by these events.

American Government – Semester – Credit: ½: Prerequisite: 12th-grade standing. The American Government course will use the United States Constitution as a framework for tracing the structure of government and the role of government in American society. The course looks at the election system through the eyes of the candidates, the political parties, and voters. Political ideologies will be discussed, as will the roles of the media and interest groups. The course will also examine the functions of both the state and local governments in the governing process. Students are required to pass the United States Constitution, the Illinois Constitution, and the Flag Code.

History and Culture of the Third World: Semester – Credit: high school - ½; College – 3 (HIS-153): Prerequisite – 11th and 12th grade standing. This semester-long course will introduce the student to history and culture in the third world from ancient civilizations to the modern era. This course will focus upon broad themes in history and culture and will examine those themes in each major historical era. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

AP United States Government and Politics – full year – Credit: 1: Prerequisite: 12th grade standing. The AP Government and Politics course is designed to be a college level course that provides an analytical perspective on government and politics in the United States. The course focuses on using both the study of the concepts used to interpret U.S. politics, and the analysis of case studies and court cases. It requires students to become familiar with the various institutions, groups, beliefs, theories, and ideas that culminate in the creation of the U.S. political sphere. The topics that will be addressed include the following topics: the constitutional underpinnings of the United States government; political beliefs and behaviors; political parties, interest groups, and the mass media; institutions of national government; public policy; civil rights and civil liberties; and the Illinois Constitution and local political institutions. At the end of the course, students may choose to pay a fee to take the AP United States Government and Politics Exam last approximately 3 hours and consists of 55 multiple choice questions and 4 free response questions. Students who take this AP test and meet the AP testing score on the exam may receive a waiver of a college government requirement.

Psychology I – Semester – Credit: ½: Prerequisite: 11th grade standing. The main objective of this course is to familiarize the student with the fundamentals of psychology. Knowledge of basic psychological concepts will be presented and stressed throughout the course. Upon completion of this course, the student should be able to identify the major theories, terminology, principles, processes and methods in the diverse areas within the field of psychology.

Psychology II – Semester – Credit: ½: Prerequisite: 11th grade standing. This course is ½ a continuation of topics included in Psychology I with an additional emphasis on psychological disorders and abnormal behavior.

BUSINESS

Business and Technical Concepts – Semester – Credit: ½: This course studies business and economic systems and the consumer's role in those systems. Career decisions, wise use of resources, savings, investing and insurance are also studied. Meets Consumer Education Requirement.

Accounting – Full Year – Credit: 1: Prerequisite: 11th grade-standing. This course familiarizes students with the concepts and activities that are used in the accounting field. Students will perform the functions both manually and with the use of computers.

Introduction to Business – Semester – Credit: high school - ½; college - 3 (BUS-142): Prerequisite 11th, 12th grade standing. Covers the objectives, organization, and role of business in the free-enterprise system. The course is designed to provide an overview of the field of business and to provide a framework into which specialized fields may be studied. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Legal Environment/Business– Semester – Credit: high school - ½; college – 3 (BUS-200): Prerequisite: 11th, 12th grade standing. An introduction to legal systems and law, especially in the U.S. legal system. Business-legal relationships in the areas of criminal law, torts, product liability, and contracts are examined. Antitrust, consumer, labor, and environmental law are studied; also the international marketplace.

See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

FAMILY CONSUMER SCIENCE

Foods and Nutrition I – Semester – Credit: ½: Prerequisite: None. This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food preparation principles and general nutrition. Safety, sanitation, equipment, terminology and basic skills are stressed.

Foods and Nutrition II – Semester – Credit: ½: Prerequisite: Successful completion of Nutrition and Culinary Arts I. This course includes advanced classroom and laboratory experiences, building on the skills learned in Nutrition and Culinary Arts I. More attention is focused on individuals with specific nutritional needs.

Foods III (Food Service) – Semester – Credit: ½: Prerequisite: Successful completion of Foods & Nutrition I and II. This course is designed to provide students with information and skills necessary for work in food service careers. These skills will be acquired through menu planning, culinary demonstrations, and commercial food preparation.

Human Development I – Semester – Credit: ½: Prerequisite: None. This course covers areas of physical, emotional, social, intellectual and moral development of child growth and development from conception until 3 years of age. The baby simulator is part of this class.

Human Development II – Semester – Credit: ½: Prerequisite: Human Development and Family Wellness I recommended. This course is the sequential course that studies children age 4 years through adolescence. Students continue to learn ways to meet the physical, emotional, social, intellectual and moral needs of children as they grow and develop.

Child and Day Care Services – Full Year – Credit: 2: Prerequisite: Successful completion of Human Development I and II or approval of instructor; students must provide their own transportation to and from work site. This course offers the student an opportunity for on-the-job training in the area of child development and early education. The class will assist in a daycare, preschool or kindergarten classroom three days per week for two hours. The remaining two days are spent in the classroom examining specific issues relating to teaching.

Family Wellness – Semester – Credit: ½: Prerequisite: 10th-grade standing. Topics include myths and realities of parenthood, readiness to parent, developmental change in families, child abuse/neglect, human reproduction, birth control, STD's, pregnancy/birth, care of the young child, guidance/disciplinary/safety, toy selection, building relationship skills, decision-making and building self-esteem. Students will get the opportunity to experience parenting simulations. The "Baby Think It Over" simulation is part of the class.

Adult Living – Semester – Credit: ½: Prerequisite: 10th-grade standing. Class starts with a broad look at families and society and ends by projecting students into their future, as they think about forming their own relationships and families. Students will develop skills that strengthen them as individuals and family members.

FINE ARTS

Art I – Full Year – Credit: 1: Prerequisite: None: Art I will consist of instruction in the elements of art (line, space, form, shape, value, texture and color) and principles of design (rhythm, movement, balance, proportion, variety, emphasis and unity). Projects will consist of both 2-D and 3-D art in a variety of medium as they relate to the elements and principles. Art history studies will be explored from Pre-historic to Renaissance Art. Art textbook work, sketchbooks and quizzes are included.

Art II – Full Year – Credit: 1: Prerequisite: Art I. Art II includes a basic review of the elements of art and principles of design. Concentrated studies include drawing techniques, as well as study in art influences throughout history. Art history studies will be explored from Baroque to Modern Art. Projects will consist of beginning drawing, advanced drawing methods and painting. Art textbook, sketchbooks, and quizzes are included.

Art III – (1st semester) – Semester – Credit: ½: Prerequisite: Art II with a grade average of at least a "C". Art III includes advanced drawing and painting methods. Subjects will include still life, portraits and imaginative work. Color studies and compositional devices will be emphasized. Sketchbooks and artist worksheets and reports are included.

Art III – (2nd semester) – Semester – Credit: ½: Prerequisite: Art II with a grade average of at least a "C". Art III includes advanced drawing and sculpture methods. Subjects will include lifelike and imaginative work. Medium studies and compositional devices will be emphasized. Sketchbooks, artist worksheets and reports are included.

Advanced Art – Full Year – Credit: 1: Prerequisite: Senior who has completed Art III or Computer Design with a grade average of at least a "C" and approval of the instructor. Advanced Art will consist of creating a varied and competitive portfolio for college admittance or job review purposes. Students will work on contract with instructor to work on individual projects and improve on weak areas in portfolio.

Band – Full Year – Credit: 1: Prerequisite: Prior membership in band program or approval of instructor. The Effingham High School Band is a performance-oriented course that allows for musical growth and an appreciation for music of all types. Two band courses (wind ensemble and concert band) meet daily. Students will audition in the prior spring for placement in one of the two bands; 8th grade students will be given the opportunity to audition. 8th grade students who do not audition will be placed in concert band. Based on audition results, each student will be placed in one of the two bands. Marching band membership is not a requirement, but all students are given the option to participate. Band students will perform at three concerts, home basketball games, and two away contests. Obligations outside of class time are required.

Choir – Full Year – Credit: 1: Prerequisite: None. This course is for students who wish to further their knowledge in the study of vocal music. Students must enjoy singing and have a desire to improve vocal technique through performing a variety of styles of music. Students will perform in front of an audience several times during the school year and attendance at these performances is required. Music theory, solfege sight-singing and musical choreography are a part of preparing for each performance.

FOREIGN LANGUAGE

French I – Full Year – Credit: 1: Prerequisite: At least a “C” average in language arts or English class. French I is an introductory course that encompasses the four basic skills of language learning: listening, speaking, reading and writing, as well as an emphasis on culture and cross-cultural comparisons between life in America and life in Franco-phone countries.

French II – Full Year – Credit: 1: Prerequisite: French I. French II is a continuation of skills learning in French I.

French III – Full Year – Credit: 1: Prerequisite: French II (C or better average strongly recommended). French III is a continuation of the skills learned in French II. During this year, we focus on conversational skills and the lifestyles and culture and history of French speaking countries through the world.

French IV – Full Year – Credit: 1: Prerequisite: French III. French IV is a continuation of the skills learned in French III. During this year, we continue to focus on conversational skills and the lifestyles and culture and history of French-speaking countries throughout the world. We read short stories and literature.

Spanish I – Full Year – Credit: 1: Prerequisite: At least a “C” average in language arts or English class. This course is an introduction to the Spanish language and will include vocabulary, grammar and culture. The students will also read short passages and write in the language.

Spanish II – Full Year – Credit: 1: Prerequisite: Spanish I (C or better average strongly recommended). This course will be a continuation of the presentation of Spanish I. More verb tenses and grammar will be introduced. At the end of the year, the students will read a book in Spanish, applying all that they have learned in the past two years.

Spanish III – Full Year – Credit: 1: Prerequisite: Spanish II. We will follow the same format with vocabulary and grammar as in the first two years. We will study more advanced grammatical structure and begin reading more short stories and literature. We will also study the history of the Spanish-speaking world.

Spanish IV – Full Year – Credit: 1: Prerequisite: Spanish III. We will follow the same format with vocabulary and grammar as in the first three years. We will study more advanced grammatical structure and begin reading more short stories and literature. We will also study the art and history Spain.

HEALTH, PHYSICAL EDUCATION, & DRIVERS EDUCATION

Health – Semester – Credit: ½: Prerequisite: None. This course overviews human anatomy and physiology, nutrition, stages of growth and development, avoidance of harmful actions and the characteristics of good health habits. Other topic areas include substance abuse, cardiac risk factors, cardiovascular disease, fitness and exercise, stress management, human sexuality, First Aid, mental and emotional health and anger management.

Physical Education – Full Year – Credit: 1: Prerequisite: None. The purpose of this course is to develop an understanding for individual and team sports and overall general physical fitness. This course will be open to all classes and the only requirements are that the students must dedicate themselves to improving his/her physical conditioning and participate in individual and team sports.

Physical Education Fitness – Full Year – Credit: 1: Prerequisite: None. The purpose of this course is to develop strength, muscle, tone and overall general physical fitness. The students, under the supervision of the teacher, will set up their own program of weightlifting and running. This course will be open to all classes and the only requirements are that the students must dedicate themselves to improving his/her physical conditioning and three days a week to individual and team sports.

Driver Education – Credit: ¼: Prerequisite: Must have passed 8 academic classes in two semesters prior to enrolling in driver education class (State of Illinois requirement). Thirty hours of classroom instruction and six weeks of behind-the-wheel training are required.

INDUSTRIAL ARTS

Introduction to Drafting – Semester – Credit: ½; Prerequisite: None. Grades 9 –12. Introduction to Drafting is a course designed to introduce drafting techniques and tools to students. Students will learn both mechanical and architectural drafting techniques. A grade of “C” or higher must be achieved in order to enroll in Computer Aided Drafting.

Production Wood – Semester – Credit: ½; Prerequisite: None. Production Wood is a course designed to introduce the student to the varied career opportunities available in the production woodworking areas. Students will participate in both classroom and laboratory activities dealing with woodworking. The safe operation of the different machines and power hand tools used in the woodworking industry is stressed throughout the class. Through laboratory activities the student will be exposed to routing, drilling, cutting, sanding and finishing various types of wood.

Energy Utilization – Semester- Credit: ½; Prerequisite: None. Energy Utilization is a course designed for students to develop a working knowledge of how electrical wiring circuits work in conventional home wiring. Students will participate in lab and classroom exercises dealing with the practical applications of electrical house wiring, stressing safe wiring practices. Areas of study will also include the study of fundamental components used in electronic circuits.

Transportation Power – Semester – Credit: ½; Prerequisite: None. Transportation Power is a course designed to have the students develop a working knowledge of how small gas engines work and how they help the transportation needs of our country. The student will participate in both classroom and laboratory activities dealing with the disassembly, measurement, re-assembly and adjusting of small gas engines. Students will also learn how to troubleshoot the more common problems dealing with four-cycle and two-cycle engines.

Construction Skills I – Full Year – Credit: 1; Prerequisite: Production Wood. This course provides experiences related to the erection, installation and maintenance of residential buildings and related fixtures. Planned learning activities focus on fundamental principles and methods to develop technical skills related to carpentry, building maintenance and finish work. Instruction should include safety principles and practices; recognition of standard building concepts and procedures; local, state and national codes; cost estimating; and blueprint reading. Students will be required to construct a project using woodworking machines.

Production Metal I – Semester – Credit: high school ½ ; college 3 (WEL-057); Prerequisite: Must have 2.0 grade point or better to qualify for dual credit. This course offers a learning experience which provides students with opportunities to develop competencies needed for employment in metalworking/welding occupations. Course content will emphasize: safety practices; selecting materials; performing bench work operations; performing measurements; layouts; performing oxy-fuel welding; thermal cutting; and MIG, TIG, and ARC welding. Students will use a variety of processes in separating, combining, and forming metal materials to prepare them for occupations in the welding industry. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Production Metal II– Semester – Credit: high school ½ ; college 4 (WEL-047, WEL-058); Prerequisite: Production Metal I. 2.0 grade point average or better to qualify for dual credit. This course will progress with skills learned in Production Metal I. Course content will emphasize: safety practices; selecting materials; performing bench work operations; performing measurements; layouts; performing oxy-fuel welding; thermal cutting; and MIG, TIG, and ARC welding. Students will use a variety of processes in separating, combining, and forming metal materials to prepare them for occupations in the welding industry. In addition, the CNC machine and plasma torch will be explored. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Manufacturing Skills– Full Year – Credit: high school - 2; College 18 hour certificate; Prerequisite: Must have 2.0 grade point or better to qualify for dual credit. This course offers students the ability to gain experience in the manufacturing field. They will be exposed to Robotics, Plastics Technology, Mechanical Drive Systems, Fluid Power, Mechanical Fabrication, Milling, and Metrology. They will work both hands on with these systems as well as through computer simulations. Students will also learn about OSHA regulations in the workplace and general shop safety. Students will visit and learn about manufacturers in the area and what opportunities they provide. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

CAREER AND TECHNICAL EDUCATION

Agriculture Classes– Semester or Full Year – Credit: high school 1; Prerequisite: None. Grades 11-12; See your counselor. Must have your own transportation. This is an off campus course and course options change depending on the year.

CTEC - Full Year – Credit 2; Prerequisite: 12th grade standing. CTEC is designed to utilize partnerships that provide an overview of the construction and building trades. Students visit area businesses, learn from guest speakers, participate in a class construction process, and learn crucial skills, and give students an opportunities for success after graduation. Students must go through an application process to be enrolled in CTEC. The CTEC class meets at Effingham Junior High School from 7:00-9:00.

Creating Entrepreneurial Opportunities (CEO) – Full Year – Credit: 2; college 6 (BUS 120; BUS 142): Prerequisite: 12th-grade standing; application required and selection made by CEO Committee; students must provide their own transportation. This course covers the basics of conceptualizing, starting, and running a small business. Concepts, such as supply and demand, cost/benefit analysis, competitive advantage, and opportunity recognition, will be covered. In addition, coursework will include: innovative thinking strategies, product development, business structure, marketing, financial strategies, and record keeping. Students will work in teams to create business plans. Skills such as preparing an income statement, balance sheet, income and cash flow statements will also be taught. Entrepreneurial thinking (outside-the-box problem solving) will be utilized throughout the course. Various business owners from Effingham County will be invited into the class in the role of either guest speaker or as business consultants to advise the students. Students will have opportunities for job shadowing and business mentor relationships. Students will present their business plans to an advisory team. Class will meet 90 minutes per day, 5 days a week. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Health Occupations – Full Year – Credit: high school 2; college 8 (AHE 040; AHE 051): Prerequisite: 12th-grade standing; students must provide their own transportation. This class meets two hours per day at St. Anthony Hospital. The course includes classroom, laboratory and clinical experience to give the student a basic understanding of the concepts and philosophy of health care. Basic skills common to most health occupations will be taught such as vital signs, aseptic technique and body mechanics. The course will also provide the student with a basic orientation to the professionalism and its importance in the delivery of health care. Basic skills common to most health occupations will be taught such as vital orientation to the professionalism and its importance in the delivery of health care. Examples of credits of instruction include dentistry, nutrition, medicine, nursing, psychology, working with developmentally disabled individuals, social service, science and engineering, therapists and technical instrumentation. The student will be assisted in choosing a specific health occupations career based on realistic assessment of personal aptitudes, abilities and interests. The student upon successful completion of required material (including both classroom work and clinical experiences will be eligible for recognition by the State of Illinois Department of Public Health as having completed training for basic nurse assistance. A certificate of such recognition shall be presented.

Interrelated Cooperative Education – Semester – Credit: 1.5: Prerequisite: 12th-grade standing; students must provide their own transportation. The cooperative work program provides students with the opportunity to learn and develop employability skills in both the classroom and workplace setting. Students will have classroom instruction daily that focuses on many work related topics. Students must work at least 15 hours a week with an employer that is willing to work with the Effingham High School Coop coordinator. Students will be in the classroom for one period and be released for 2 periods of work. Students will be responsible for securing a position with an employer prior to the start of the class. Students must be able to demonstrate strong attendance and responsibility.

EXPLORE ERCA (Effingham Regional Career Academy) – Semester - Credit: high school ½: Prerequisite: 11th or 12th grade standing, eligible for off campus travel. This one-semester course is designed to introduce students to local career opportunities in Agriculture, Health Care, Information Technology, Manufacturing, and Transportation while providing them with opportunities to develop many employability skills and work alongside business professionals in Effingham County. At the successful completion of this course, students will be able to understand career opportunities in local business and industry, understand the benefits of non-traditional careers, complete workplace safety training, understand the roles of business and civic organizations as well as see the benefits of work-based learning.

Lake Land College Automotive Technician Program – Semester or Full Year -- Credit: high school 1: Prerequisite: 12th grade standing, eligible for off campus travel. This program is designed for and open to high school students in the EIEFES region. Classes are held on the Lake Land College Campus Monday- Friday from 8-10 am. Students learn Basic Automotive Repair skills including shop safety, tire services, vehicle inspection, detailing, OSHA 10 safety, how to use rigging and hoisting equipment as well as learn basic welding skills. This program is designed to further their education and skills through continued classes at LLC or be used immediately to obtain employment. This program is taught on the College campus in Mattoon by College instructors. Expectations are set high for students enrolled in this program. This program will follow the Lake Land College calendar which will be different than your high school schedule.

LIFT (Leaders Innovating For Tomorrow) – Semester or Year-long – Credits –depends on program of study Prerequisite: 12th grade standing, eligible for off campus travel. LIFT is located in Mattoon, IL and provides education in a variety of areas including: culinary arts; childcare; communications; green energy; mechatronics and robotics; HVAC; Information Technology; leadership; and manufacturing, architecture, and construction. See counselor for more details.

TECHNOLOGY

Computer Applications 1– Semester – Credit: ½: Prerequisite: None. Students will experience an overview of the most common computer applications used in business and academics. Skills learned in this course will benefit students throughout high school and college. Students will use various productivity applications to complete assignments. All assignments utilize web-based applications.

Practical Software – Semester – Credit: high school-½, college: 3 (CIS 160): Prerequisite: 11th or 12th grade standing. Students will produce professional documents that apply advanced features of Microsoft Office. Projects include databases, spreadsheets, and other software simulations. This course is recommended for students who are college-bound or for students who want to enhance their employability skills. See attendance requirements for dual credit on p. 3. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Web Design – Semester – Credit: ½: Prerequisite: 10th grade standing. The focus of the class is to help students develop the skills for planning, programming, managing, and maintaining a professional website. Students will be required to create web pages using programming languages and professional design software. In addition, students will be required to create and manipulate images, develop writing skills, and

learn how to upload websites to a server. Students will also be introduced to other protocols that are integrated into websites on the Internet and applicable legal and ethical issues.

Multimedia – Full Year – Credit: high school – 2: Prerequisite: 10th grade standing or approval of instructor. Students will be introduced to the newest trends in Multimedia Technology. An emphasis will be placed on developing aptitude in the following areas: html, flash, animation and the basics of television production (to include shooting, editing, lighting and audio). The course is project-based and self-paced. This class will be taught in a two-hour time block. Dual credit status is forfeited if the student misses more than ten days in one semester, with the exception of school-sponsored activities.

CAD Drafting I – Semester – Credit: high school – ½; college 2 (TEC 045): Prerequisite: Introduction to Drafting is required or permission of the instructor; must have minimum 2.0 gpa in order to qualify for dual credit. This course is designed to provide students with knowledge of drafting fundamentals through computer usage and presents standards drafting skills and concepts preparatory to advanced drafting. Students will use basic CAD commands with descriptive geometry in developing various drawings including orthographic, auxiliary and pictorial. Proper dimensioning techniques for these drawings will also be in the curriculum. This course is the first semester of a two-semester dual credit class. Dual credit status is forfeited if the student misses more than ten days in one semester, with the exception of school-sponsored activities. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

CAD Drafting II – Semester – Credit: high school – ½; college – 2 (must successfully complete both CAD Drafting I & II for dual credit): Prerequisite: CAD Drafting I. This course continues the learning begun in CAD Drafting I and is designed to provide students with information and practical experience needed for the development of architectural drawings. The course content includes planning and organizing activities, researching information, coordinating work and performing other general drafting procedures. Students will use advanced CAD commands to create three-dimensional drawings including isometric, oblique and perspective. This course is the second semester of a two-semester dual credit class. Dual credit status is forfeited if the student misses more than ten days in one semester, with the exception of school-sponsored activities. Students may request to be withdrawn from the college portion of the class with a W, instead of taking a low grade on their permanent college transcript, up to 5 days prior to the final/mid-term exam.

Graphic Arts I– Full Year – Credit: high school – 1: Prerequisite: None. Grades: 10 to 12. This is a course designed to plunge students into the field of Graphic Arts. During the course of the class, students will study various software used for graphic design, and the basic concepts (balance, typography, layers, selections, and photo correction). The basics of mirror etching and silk-screen textile printing are also explored throughout the year. A grade of “C” or higher must be achieved in order to enroll in Graphic Arts II.

Graphic Arts II– Full Year – Credit: high school – 2: Prerequisite: 11th or 12th grade standing and any 1 of the following courses: Graphic Arts I, Introduction to Business, Accounting, Manufacturing Skills, Practical Software, or Multimedia. This class meets for Early Bird and 1st hour. In this production course you will contribute to a real-world, working-class business. You will complete hands-on projects to develop your skill set as a business and design professional. Students enrolled in this course will foster graphic design skills, learn advance techniques used in today’s graphic design industry, and develop entrepreneurial skills. We have opened this class up to more educational areas as it is a growing business. On the production side, this course develops an understanding of the design process, organization, production scheduling, and quality control. On the business side, this course will allow you to use your business-related course knowledge and skills for the daily operation of the class business. You will contribute to product development, business structure, marketing, merchandising, financial strategies, and record keeping. After trying all sides of the operation, you may choose your areas of expertise.

Graphic Design (Yearbook) – Full Year – Credit: 1: Prerequisite: 11th-grade standing, keyboarding skills and permission of the instructor. This course explores the principles of digital photography, photo editing, page layout, copy-editing and journalistic law, as they relate to commercial yearbook production. The primary purpose of this class is to produce the SIGNET, the school yearbook

Computer Programming- Semester - Credit: ½: Prerequisite: Computer Applications I. This course is designed to introduce students to the fundamentals of computer programming and computational thinking. Students will learn the basics of programming languages such as Python, Java, C#, C++, etc, and will develop problem-solving skills through hands-on coding projects. (Note: The programming languages covered in the course will depend on trends in the industry). The course will cover topics including variables, data types, control structures, functions, and object-oriented programming concepts. By the end of the course, students will have the foundational knowledge and skills to create simple software applications and will be prepared for further study in computer science.

Computer Gaming and Design - Semester - Credit: ½: Prerequisite: Computer Applications I; This course prepares students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. Students will also gain proficiency in using industry-standard game development tools and software. Students will have the ability to design and develop their own interactive games, understand the principles of game balance and user experience, and explore different career paths and opportunities available in the field of game design.

Cybersecurity - Semester - Credit: ½: Prerequisite: Computer Applications I; In this course, students are introduced to the concepts of cybersecurity to develop a strong foundation in understanding and protecting against digital threats. Through hands-on activities, simulations, and real-world case studies, students will gain the knowledge and skills necessary to navigate the complex landscape of cybersecurity. Students will explore a wide range of topics, including network security, cryptography, ethical hacking, data privacy, and digital forensics. They will learn to think critically and analytically, as well as develop their problem-solving and decision-making abilities. Students will learn how to create solutions to mitigate cybersecurity risks. They will also gain an understanding of the legal and ethical considerations surrounding cybersecurity.

Computer Science Principles - Full Year - Credit: 1; Prerequisite: 10th grade standing, Computer Applications I and Algebra I; In this course, students will explore the world of computer science and develop a strong foundation in computational thinking and problem-solving skills. Throughout the course, students cultivate their understanding of computer science through a range of topics, including computing systems, networks and the Internet, data analysis, algorithms and programming, the impact of computing on society, and emerging and future technologies. Students will also have a solid understanding of the different career paths and opportunities available in the field of computer science.
