

Tuscola



Community High School

Curriculum Guide

*Revised Spring 2017

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REGISTRATION AND GRADUATION REQUIREMENTS

Students entering the ninth grade must have had a physical examination within the last twelve months. Physical exams are also required by state law for all children who enter from out of the state regardless of age or grade level. "Certificate of Child Health Examination" is also accepted by the Illinois High School Association in order to meet the physical examination requirement for athletic participation. **NOTE: The Illinois High School Association's "Physician's Certificate" is not acceptable for ninth grade health examination.** These forms must be completed and sent to the school by **September 9, 2011.**

Transferred credits will be evaluated to correspond with our standards. However, credits will be given for subjects not offered at Tuscola if they can be classified as academic credits.

As many as two (2) credits in correspondence work from an accredited institution may be accepted as make-up credits toward graduation at TCHS only if the student has failed courses in high school and/or has obtained approval from the principal prior to enrolling in the correspondence course. The two credit restriction may be waived by the administration.

Audit of classes is permitted only with the permission of the teacher and if space is available. No credit is given for an audit. A student must have a cumulative GPA of 3.50 to qualify to audit. Auditing a class implies full participation in all classroom activities including taking the final exam. Furthermore, a failed second semester math course may also necessitate an audit (See the Guidance Department.)

Course selection will be based on classroom size and availability of space. **Changes from original course requests on pre-registration forms may be made only during the first five days of each semester.** Acceptable reasons for changes include "credit problems" and "course failure." "Changed my mind" is not a legitimate reason. Be sure and take great care in making your decision at registration. Ask questions!!!!

TUSCOLA HIGH SCHOOL GRADUATION REQUIREMENTS

Number of credits required for graduation	20.5
Number of academic credits required for graduation	18.5

<u>FRESHMAN</u>		<u>SOPHOMORE</u>		<u>JUNIOR</u>		<u>SENIOR</u>	
English I	1	English II	1	English III or		Consumer Ed	½
Lab Science *	1	Math	1	Am. Lit. Studies	1	P.E. or Cond.	½
Math	1	Am. Gov.	½	U.S. History	1	English	1
Computer Concepts	½	Health	½	Math	1		
P.E. or Cond.	½	Dr. Ed	NC	P.E. or Cond.	½		
		P.E. or Cond.	½				
		Science	1				

***Students may take Biology if they meet the requirements, please see page 5.**

PHYSICAL EDUCATION CREDIT IS REQUIRED TO GRADUATE. IF YOU TAKE BAND AND CHOIR, PHYSICAL EDUCATION IS NOT REQUIRED.

In addition, students must meet the following requirements:

1. An additional one-half credit in social studies (Social Studies, World History, Sociology, Psychology, HIS 101, HIS 102, or a third semester of U.S. History).
2. One year of credit in a vocational, art, music, or foreign language course.

LEARNING DISABILITIES RESOURCE PROGRAM (9-12)

The LD program provides supportive services for students who have been identified as having a learning disability. General goals include providing educational opportunities in basic skills which will promote optimal achievements and promoting physical, social, and emotional development. The LD student receives individual and/or small group instruction in a special classroom by an LD teacher for less than 50% of his/her day.

CROSS-CATEGORICAL PROGRAM (9 – 12)

The cross-categorical program provides assistance to students who are struggling in all areas of learning. This program focuses on improving basic reading, writing, and math skills. It promotes the teaching of daily living skills and independent living. It is designed to assist the students who have physical, social, and educational developmental needs. The cross-categorical student receives individual and/or small group instruction in a special education setting for more than 50% of his/her day.

COURSE DESCRIPTIONS

ENGLISH

English I Prerequisite: Freshman standing 1 Credit
Required for Graduation

English I is an integrated course focused on improving student skills in reading, vocabulary, literature, the writing process, and grammar. Students will improve these skills through a study of literary genres including myths, nonfiction, short stories, poetry, drama, essays, and speeches. Grading is based on quizzes, tests, homework assignments, compositions, class participation, and a final exam both semesters.

English II Prerequisite: English I 1 Credit
Required for Graduation

English II is an integrated course focused on improving student skills in reading, literary analysis, vocabulary, the writing process, various forms of writing, and grammar. Students will improve these skills through a study of major literary genres including myths, nonfiction, short stories, poetry, drama, essays, and speeches. Grading is based on quizzes, tests, homework assignments, compositions, class participation, and a final exam both semesters.

English III Prerequisites: English I & II 1 Credit
Required for Graduation

English III is an integrated English course for juniors. Students will study the various forms, styles, techniques, and historical backgrounds of American literature by analyzing different works from the first inhabitants through contemporary authors. Along with the literature, writing skills will be enhanced through continued instruction in the writing process with expository and persuasive essays, a major research paper (using MLA format), literary analysis, and practice in impromptu writing. Grades will be based on class activities, discussion, literature responses, writing assignments, quizzes, projects, and a final exam both semesters.

American Literary Studies Prerequisites: Junior Standing, and a B average in English II or administrative approval 1 Credit

American Literary Studies, **which satisfies the English III requirement**, will explore the literary legacies of our country and how they are interrelated with the historical legacies. This course will examine literary works of the historical periods, including songs, speeches, poetry, short stories, essays, novels, autobiographies, and other literary and nonfiction pieces. Students will analyze various forms, styles, and techniques of American literature, as well as the literary depictions of the historical periods and the writers' reactions to historical events. Writing skills will be enhanced through continued instruction in the writing process and with various forms of writing, including a major research paper using MLA format. Grades will be based on class activities, discussion, literature responses, writing assignments, quizzes, projects, and a final exam both semesters.

English IV Prerequisites: English I, II, and III 1 Credit

English IV is an integrated English course for seniors who are planning to attend a two – or four year school or

for those who will enter the work force after graduation. Students will explore and engage in contemporary issues and in the value of contextual awareness in reading and writing. Reading of text, film, and media will facilitate critical thinking skills for application in students' daily lives today and in the future. Lifelong learning will be stressed. Process writing of expository and persuasive essays, text responses, and other forms of writing will promote improvement of writing skills and will foster an understanding of how writing matters beyond high school. Grades will be based on class activities, discussion, literature/media responses, writing assignments, quizzes, projects, and a final exam both semesters.

English IV Dual Credit Prerequisites: 1 Credit
ENG 101: Sr. Standing, 3.0 GPA, appropriate COMPASS score
ENG 102: Sr. Standing, C or better in ENG 101

This college level course earns seniors one high school credit and six college level credits when taken for a full year and successfully completed. Students must complete a Parkland Application and Dual Credit form. The purchase (or other acquisition) of paperback novels will be required.

First Semester ENG 101:

Essay writing with emphasis on the writing process, purpose and audience, critical analysis, focus, organization, development, clarity, and coherence.

Second Semester ENG 102:

Research paper writing with emphasis on adopting and logically arguing a position, narrowing and supporting a thesis statement, developing effective research techniques, accurately documenting sources with conventional format, and recognizing the particular needs of an audience.

English IV Creative Expressions Prerequisites: 1 Credit
Senior Standing

Creative Expressions will allow students to take what they write to another level. This course provides activities and projects to stimulate ideas and extend the student's writing talent, to encourage appropriate freedom of expression, and to develop sensitivity to the power of words AND technology. Students will explore how different technological mediums communicate and will discover the best technology venues to communicate intended meaning. Students will understand how writing and technology work together to convey meaning and experience and will demonstrate knowledge of the skills involved in the creative process. Students work will be "published" and shared.

Speech Communication Prerequisite: ½ Credit
Sophomores with a minimum 3.5 GPA or Jr./Sr. Standing

Speech Communication focuses on the study and practice of speaking. This is accomplished through the development of various types of speeches and delivery techniques, the application of listening and evaluating skills, the organization and research of ideas, and a study of the influence of words and non-verbal communication. Grades are based on class discussion and participation, speeches, evaluations, and quizzes.

English IV / Communications at Work (Not offered 2016-2017) Prerequisite: 1 Credit
Senior Standing

Students will practice basic writing skills and learn strategies for dealing with writing found in the workplace and in daily life, including job applications, cover letters, résumés, e-mails, thank-you notes, memos, contracts, etc. Students will also improve their reading comprehension and develop an understanding of lifelong learning. By the end of the year, students will have completed a formal research paper about a career of their choice, following the MLA format, compiled a portfolio of sample documents, including their own formal résumé, and

updated their interviewing skills. Grades will be based on class activities, writing assignments, and projects. A final exam is required each semester.

SCIENCE

Integrated Science Prerequisite: 1 Credit
Freshman Standing

Integrated Science is a freshman class that will focus on physical science and earth and space science. In this class students will be learning about topics such as energy, forces and interactions, earth's systems and earth and human activity. In these units students will be engaged frequently in the process of science. Students will learn how to think like scientists through building models, collecting & analyzing data, and engaging in scientific argumentation.

Biology I Prerequisite: 1 Credit
Sophomore standing

In Biology I students will be learning many of the life science core ideas (structure and function, ecosystem dynamics, heredity & variation in traits, evolution) through being engaged in units on regeneration, the human microbiome, Type II diabetes, Lyme disease, and Killifish evolution. Students will spend the majority of time working on group projects and activities and will learn how to think like biologists through science practices which will include developing and using models, designing and conducting experiments, data collection & analysis, and engaging in argument from evidence.

Advanced Biology Prerequisite: 1 Credit
Biology I

Biology II is a two semester class that is divided as follows: 1st semester – basic anatomy and physiology, 2nd semester – cell biology, genetics, molecular biology, evolution. During the first semester students will be learning basic anatomy and physiology starting with tissues and working through some of the major body systems including nervous, digestive, circulatory, and respiratory. There will be a focus on structure and function and the interconnectedness of all body systems. Students will build many models in this class and will complete most activities as a group. In the second semester, students will be working to develop a deeper understanding of cell biology, genetics, and evolution. As part of this class, students will be investigating how antibiotic resistance occurs and designing experiments to study the inheritance of traits in fruit flies

Chemistry I Prerequisites: 1 Credit
Algebra I/Geometry and Lab Science or Biology

Chemistry deals with all the substances that make up our environment and the changes that take place in these substances. Lab experiments, group and individual projects, problem-solving situations and guest lecturers are all utilized to enhance the educational environment in chemistry. Topics covered may include the principles of chemical reactions, gas laws, nuclear chemistry, periodic table, and atomic structure.

Advanced Chemistry Prerequisite: ½ Credit
Chemistry I

This one semester chemistry class is designed for the college-bound student interested in exploring chemistry in more depth. Topics may include organic chemistry, forensics, polymers, solutions, redox reactions, and electrochemistry. An emphasis is placed on individual research, lab work, and projects whose topics are often chosen by the student.

Physics Prerequisites: 1 Credit
Algebra I/Geometry, Algebra II is strongly recommended
Minimum of two years from Lab Science, Biology, or Chemistry

Physics is the study of the interrelationship between matter and energy and applies the mathematics used in Algebra II in the solution of the physics problems. Physics develops reasoning based on experience and

experiment and leads students to an awareness of these principles and how they interrelate with physical phenomena. Topics covered are mechanics, vectors, momentum, universal gravitation, work and energy, heat, light, electricity, and nuclear physics.

Agricultural Science*

Prerequisites:
So./Jr./Sr. Standing and Intro to Agriculture or
Consent of the Instructor

1 Credit

This course builds on the basic skills and knowledge gained from the introductory course. Major units of instruction include plant and soil science, animal science, food science, and environmental science. Applied math/science skills are stressed throughout the course. Agribusiness skills and computer applications are emphasized. Individualized instruction and learning reinforcement are provided through supervised agricultural experience programs (SAEP) maintained by each student.

Horticulture *

Prerequisite:
Jr./Sr. Standing and Introduction to Agriculture
or consent of instructor

1 Credit

This advanced course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers, and floral design. Also included are landscape design, installation, and maintenance; horticultural mechanics; nursery management; and turf production. Agribusiness units will cover operating and horticultural business, pricing work, advertising, and sales. Improving computer and workplace skill will be a focus. Participation in FFA student organization activities and supervised agricultural experience (SAE) projects are integral course components for leadership development, career exploration, and reinforcement of academic concepts.

Biological Science Applications (Not offered 2016-2017)
(Animal Science)

Prerequisite:
Biology I

½ Credit

This course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process.

*** While these courses are accepted by TCHS as science courses, they may not count for college admission or NCAA Clearinghouse.**

MATHEMATICS

Pre-Algebra *

1 Credit

This is a course designed to help students obtain the skills necessary for success in a future, full-year algebra course. Geometry content is also included in this course. Topics will include, but will not be limited to, measuring length; perimeter of rectangles, triangles, polygons; surface area of a prism; angle classification; parallelograms; trapezoids; parts of a circle; circumference; and constructs of geometric designs.

Algebra I

Prerequisite:
Pre-Algebra

1 Credit

This is a course designed around simplifying and solving expressions and equations. Graphing linear, quadratic, absolute value, and exponential functions will be covered. Geometric topics include coordinate plane, distance formula, Pythagorean Theorem, volume and area formulas, trigonometric ratios, parallel and perpendicular lines, and solving right triangles.

Advanced Algebra

Prerequisite:
Placement out of 8th grade

1 Credit

Advanced Algebra 1 is a course intended to emphasize and improve students abilities from 8th grade Algebra 1. The course reviews algebraic skills and expands on the student skill set in problem solving, data analysis, non-linear equations (primarily quadratic), and statistics. The students will become proficient with the Texas Instruments graphing calculator for data analysis and general graphing.

Geometry

Prerequisite:
Algebra I or Advanced Algebra

1 Credit

This second college preparatory math course focuses on the study of geometric figures, applications of geometric properties, and logical reasoning.

Algebra II

Prerequisite:
Algebra I

1 Credit

This third college preparatory math class focuses on solving equations, graphing, and solving word problems. A TI-83 or TI-84 calculator is required.

Integrated Algebra *

Prerequisite:
Algebra I, Geometry

1 Credit

This third math class focuses on solving equations; graphing; solving word problems, basic probability and statistics; and coordinate geometry.

Algebra III

Prerequisite:
Algebra I, Algebra II, Geometry

½ Credit

This one semester course is intended to further prepare seniors for college mathematics. In particular, this is intended for those seniors whose college major will not require pre-calculus or calculus. The course will cover further concepts from Algebra II, probability and statistics, and trigonometry.

Trigonometry

Prerequisite:
Geometry/Algebra II

1/2 Credit

This course is intended to prepare strong math students for calculus. It will serve as a bridge from high school to college level mathematics. This course is very rigorous in terms of the mathematical content and pace. Topics covered include: polynomial, rational, trigonometric, inverse trigonometric, logarithmic, and exponential functions along with their graphs; polar coordinates; parametric equations; sequences and series; proof by induction; vector operations; trig identities; limits and continuity; matrix transformations; analytic geometry; and polar representations of complex numbers. The course will also focus on applications and problem solving. A graphing calculator, such as a TI-83+ or TI-84, is highly recommended. Out-of-class homework assignments are part of course requirements.

Calculus

Prerequisite:
Trigonometry, A or B Average

1 Credit

Calculus, the fifth college preparatory math course is for those who excel in math and desire a course in calculus before entering calculus in college. Calculus is centered on the study of limits, differentiation, and integration.

Statistics

Prerequisite:
Geometry/Algebra II

1/2 Credit

This is an activity-based introduction to statistics. Content includes descriptive statistics, probability, sampling and tests of statistical significance, and business application of math topics. It is recommended that students have their own TI-83+ calculator or an equivalent model. Out-of-class homework assignments are part of the course requirements.

*** While this course is accepted by TCHS as a math course, it may not count for college admission or NCAA Clearinghouse.**

BUSINESS

Accounting I

1 Credit

This is an entry course designed for students looking for a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications are integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction provides initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field.

Processing employee benefits may also be included. Practice sets with business papers may be used to emphasize actual business records.

Accounting II Prerequisite: Accounting I 1 Credit

This is a skill-level course which builds upon the foundation established in Accounting I. The course is designed to help students develop a deeper knowledge of the principles of accounting with increased emphasis on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. Students will become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Simulated business conditions may be provided through the use of practice sets. Skills developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications will be discussed. This course provides a technical background for college-bound students who plan a business curriculum as well as for those who wish vocational preparation.

Business Graphics Prerequisite: Computer Concepts ½ Credit

Graphics is a course designed to help students better understand production of business materials. Students will learn to create graphics in a program such as Fireworks and to create publications in Microsoft Publisher. In addition, the class will establish a school enterprise program and will assist any classroom, school, and/or school district needs. Such need, may include the production of the curriculum guide, the handbook, the faculty handbook, et cetera.

Business Law Prerequisite: Jr./Sr. Standing ½ Credit

Business Law is an overview of the foundations of business, which include law history, contracts, commerce, and employer-employee relationships. Other optional units such as bailments, public utilities, insurance loans of money, and owning and renting property are covered as time permits.

Computer Concepts and Applications Prerequisite: ½ Credit
Required for Graduation

This is an orientation-level course designed to develop awareness and understanding of the application of Microsoft Office Suite concepts and software. Instruction focuses specifically on the use of software packages that form a core used by any person employed in a business, marketing, or management occupation: word processing, financial modeling, data-base management, business graphics, and communications software.

CIS 101 Advanced Computer Concepts Prerequisite: Computer Concepts Jr./Sr. Standing and 2.5 GPA ½ Credit

Students must complete a Parkland Application and Dual Credit form.

CIS 131 Presentation Graphics Prerequisite: CIS 101, Jr./Sr. Standing and 2.5 GPA ½ Credit
(Advanced PowerPoint)

Students must complete a Parkland Application and Dual Credit form. Students will learn to use PowerPoint to produce professional looking presentations. CIS 131 includes presentation management, wizards, importing/exporting, outlining, graphing integration, hyperlinks, drawing, clip art, and scanning.

CIS 134 Spreadsheet Applications Prerequisite: CIS 101, Jr./Sr. Standing and 2.5 GPA ½ Credit
(Advanced Excel)

This course includes introduction to spreadsheets; students will utilize a popular spreadsheet application

software package on microcomputers for various business applications. Data entry, basic spreadsheet commands, worksheet design, formula development, macros, and business charts will be covered in CIS 134.

CIS 135 Word Processing I Prerequisite: ½ Credit
(Advanced Word) Successful completion of CSI 101,
Concurrent Enrollment Jr./Sr. Standing and 2.5 GPA

Students will learn to use Microsoft Word to create, edit, save, print, manage, and merge documents; learn to enhance the appearance of documents and use spelling check, grammar check, and thesaurus tools; learn to create tables, headers, footers, footnotes, and endnotes; learn to use the Internet and drawing tools.

Marketing Prerequisite: ½ Credit
Jr./Sr. Standing

This course is designed to provide students with the understanding of how companies generate products and the process of promoting them. Students will learn through realistic hands-on projects the importance of advertising to businesses and consumers. Topics of this course will include selling, promotion, distribution, pricing, and career development.

Financial Records and Real World Applications Prerequisite: ½ Credit
So./Jr./Sr. Standing

This course will give students a broad knowledge of business operations and the basic skills they need to keep better financial records. Areas covered will include: recording information (manual/ computer), budgeting, cash receipts, sales tax, financial statements, purchase orders and petty cash records.

Web Design Prerequisite: ½ Credit
Computer Concepts

This course will have as its focus the general principles behind website design. The critical concepts that will be covered will give the students a fundamental knowledge of the techniques used to design a webpage and of how webpages are combined to make a website. Students will design and maintain websites to be hosted on the school's web servers.

Intro to Computer Science Prerequisite: ½ Credit
So./Jr./Sr. Standing and \$85 course fee

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This semester course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses. Prerequisites: No prior knowledge or experience is necessary for this course.

CONSUMER EDUCATION

Consumer Education Prerequisite: ½ Credit
Senior Standing **Required for Graduation**

The ultimate goal of Consumer Education is to help students become confident individuals with regard to understanding his/her responsibilities in the American economic system. The course centers on four topics of concern: economic understanding, decision making, financial management, and resource management. No other course is more deeply rooted in the real world or more relevant to everyday living. **Students may opt to take a proficiency exam in place of this class. No credit will be given if this option is utilized.**

HEALTH

Health

Prerequisite:
Sophomore Standing

½ Credit
Required for Graduation

This is a lecture/discussion/hands on class covering mental/emotional, social, and physical Health. Topics include nutrition, exercise, systems of the body, alcohol, drugs, tobacco, CPR, first aid, relationships, contraception, sexually transmitted diseases, pregnancy, and birth. The class focuses on making good choices.

PHYSICAL EDUCATION

Physical Education

Non-Academic Credit

½ Credit
Required for Graduation

Although a non-academic course, Physical Education is an integral part of the curriculum at T.C.H.S. The goals of this program emphasize each student's physical development, including the mental, social, and emotional aspects which are necessary to develop a healthy and active lifestyle. Participation in a variety of individual and team sports provides each student with the opportunity to improve systematic efficiency, endurance, strength, and coordination. Students will also have an opportunity to experience a program in weight training, flexibility, and cardiovascular improvement. Students are also encouraged to develop a plan and appreciation for lifetime fitness.

**Students who are taking Band and Chorus may waive out of P.E. to allow for one study hall.

Physical Conditioning

Non-Academic Credit

½ Credit

This course may be taken in place of Physical Education. This non-academic course offers a more intensive setting for physical activity. Fitness based activities will be the focus rather than life activities that are common in a regular physical education course. Curriculum will vary based on "in season" training of specific athletic competition. Students will be afforded an opportunity to improve their level of physical strength and cardiovascular endurance while utilizing other fitness related activities to improve sport-specific conditioning.

** The administration maintains the authority to remove a student from this course and place him in a standard physical education course.

DRIVER EDUCATION

Driver Education

Prerequisite:
Age Appropriate

No Credit

Driver education focuses on the safety measures necessary to promote effective driving techniques. The instruction offered to students who are between the ages of 15 and 18 years of age includes a minimum of 30 hours of classroom work and 6 hours of behind-the-wheel driving. Eight courses must be passed prior to enrolling in Driver Education.

SOCIAL STUDIES

Intro to Social Studies

Prerequisite:
Jr./Sr. Standing

½ Credit

This course will introduce the cultures of areas of the world and relate them to the various disciplines of social studies. Political science, economics, history, anthropology, and sociology of areas will be discussed in relation to the geography of the world's culture realms. Class will include the discussion of man and his culture, the environment, and the current issues that affect each cultural group. Classwork will include writing assignments,

quizzes, tests, maps, and, when the home economics lab is available, experiences in ethnic cooking.

American Government

Prerequisite:
Sophomore Standing

1/2 Credit
Required for Graduation

American Government examines all seven articles of the federal Constitution and emphasizes the three branches of government and the checks-and-balances system. All amendments to the federal constitution, the Illinois Constitution, and Tuscola government are also studied. Students will also learn about public, economic, and foreign policy, as well as the role of political parties.

Psychology

Prerequisite:
Jr./Sr. Standing

1/2 Credit

Psychology is an introductory course covering its scientific methodology, its noted theorists, and its five approaches: behaviorism, psychoanalysis, humanism, cognitive psychology, and physiological psychology. Application is made when appropriate.

U.S. History - Part I

Prerequisite:
Jr./Sr. Standing

1/2 Credit

This includes the study of the United States from Colonial America to Reconstruction; topics will include, but will not be limited to, expansion, the Colonies, the Revolutionary War, the creation and expansion of the United States from the administrations of Washington through Lincoln, slavery, the Civil War, and Reconstruction.

**This will be taught every other year.

U.S. History - Part II

Prerequisite:
Jr./Sr. Standing

1/2 Credit

The study of the United States from the 1880's to the mid-1950's will include, but not be limited to, the Spanish-American War, American Imperialism, the Progressive movement, World War I, the Roaring Twenties, the Depression, World War II, the Holocaust, and the Korean War.

**This will be taught every other year.

U.S. History - Part III

Prerequisite:
Jr./Sr. Standing

1/2 Credit

The study of the United States from the mid 1950's to the present will include, but will not be limited to, the Civil Rights movement, the Kennedy administration, Vietnam, the Nixon administration, and Watergate.

**This will be taught every other year.

U.S. History – Part IV

Prerequisite:
Jr/Sr. Standing

1/2 Credit

The study of the United States from the end of the Cold War to the present will include, but will not be limited to, the Reagan administration, the collapse of the Soviet Union, Iran Crisis, the George H.W Bush administration, Desert Storm, the Clinton administration, the 9-11 attacks and the War on Terrorism.

**This will be taught every other year.

Students must successfully complete two semesters of U.S. History for graduation.

World History I

Prerequisite:
Freshman Standing

1/2 Credit

World History is a study of world civilizations, beginning with ancient cultures and proceeding through the Middle Ages. Greek civilization, the Roman Empire, the development of Islam, and medieval times are among the key areas covered.

World History II Prerequisite: ½ Credit
Freshman Standing

World history II is the study of world civilizations ranging from the Renaissance through the modern age. The Renaissance, Protestant Reformation, exploration, French Revolution, Industrial Revolution, and World Wars are among key areas covered.

HIS 101 - World History Western Civilization I Prerequisite: 3.0 GPA 1/2 Credit
Completion of the Dual Credit Forms.

An examination of the origins and development of major social, political, economic, and intellectual institutions of European civilization from the ancient cultures of the Mediterranean world through 1715.

HIS 102 - World History Western Civilization II 1/2 Credit
Prerequisite: 3.0 GPA
Completion of the Dual Credit Forms.

An examination of the origins and development of major social, political, economic, and intellectual institutions of European civilization from 1715 to the present.

Sociology Prerequisite: ½ Credit
Jr./Sr. Standing

This course examines the nature and scope of sociology, its terminology, and concepts and studies sociological perspectives, social processes, social institutions, the development of society, and characteristics of social life.

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences Orientation Prerequisite: 1 Credit
Fr./So. Standing

This is a beginning course designed to introduce students to all areas of family and consumer sciences. Each of the four advanced areas of Family and Consumer Sciences is covered: child care and family living, foods and nutrition, clothing, and living environments. Topics are covered from both the career aspect and home use.

Child Development & Parenting Prerequisite: ½ Credit
So./Jr./Sr. Standing

This course is designed to help students think through the responsibilities, satisfactions, and challenges of parenthood. Students will be offered insight into the care and guidance of infants through toddlerhood. Reproduction, conception, good prenatal development, and birth are emphasized. The importance of readiness for parenthood is offered through a hands-on computerized baby project.

Living Environments Prerequisite: ½ Credit
So./Jr./Sr. Standing

Living Environments is designed to help students develop skills necessary in planning an effective living space. Furniture selection, the use of color as a decorating tool, and interior design careers are some of the topics covered. Students will be exposed to techniques and simulations of housing selection, room planning and design using architectural drafting, natural conservation and energy use, and solutions for the handicapped.

Foods and Nutrition I Prerequisite: So./Jr./Sr. Standing ½ Credit

Foods and Nutrition I is designed to develop knowledge and skills related to the basic principles of food preparation. Students examine basic nutrition, consumer concerns and cost about food, and meal planning. Working in laboratory teams, students will investigate such topics as food preparation, safety and sanitation, eggs, dairy products, fruits and vegetables, salads, soups, time management, work simplification, and equipment identification.

Foods and Nutrition II Prerequisite: F & N I and So./Jr./Sr. Standing ½ Credit

Students have the opportunity to develop advanced food preparation skills while applying the nutrition information and food preparation skills learned in Foods and Nutrition I. Lab experiences will include meats, poultry, pastries, yeast bread products, and candies.

Foods and Nutrition III Prerequisite: F & N II and Jr./Sr. Standing ½ Credit

Baking and Pastry Arts prepares you for successful careers as baking and pastry professionals through building a foundation of principles and skills, and then using specific applications and recipes. Students will be able to prepare a wide array of baked goods, pastries, and confections. Students will explore gluten-free baking recipe planning and preparation, altering and preparing recipes to address other allergies/dietary restrictions.

Adult Living (offered w/ sufficient numbers) Prerequisite: Jr./Sr. Standing ½ Credit

Adult Living is designed to expose students to possible changes and social concerns that could or will occur throughout their lifetime relationships. Ways of recognizing, preventing, and adjusting these events will be the main focus of the course. Topics to be covered are changes in family lifestyles, child abuse and neglect, law-related education, human sexuality, communication skills, dating and mate selection, marriage and divorce mediation, parenthood, aging, and relationship termination including death.

Early Childhood Education Prerequisite: So./Jr./Sr. Standing ½ Credit

Knowledge of physical, intellectual, language, social, and emotional development is applied through planning lessons, teaching, observing and studying three, four, and five-year-olds in the pre-school laboratory in the classroom. Students develop skills in creative teaching techniques: developmentally appropriate practice; program management; child behavior and guidance; interpersonal relationships; health, nutrition, and safety standards; and workplace skills.

Clothing and Textiles Prerequisite: So./Jr./Sr. Standing ½ Credit

This course is designed to teach the basics of fibers and fabric construction. Students will demonstrate the use of sewing equipment and sewing machines to construct a variety of sewing projects. Students will be required to purchase sewing notions (needles, thread, scissors, et cetera), patterns, and fabric. Projects may include pillows that include zippers, flannel pajamas, and one item of the student's choice that is created from a pattern.

Clothing and Textiles II Prerequisite: Clothing and Textiles I ½ Credit

Students will learn advanced techniques in pattern fitting and sewing. Key techniques will include sewing sleeves, facings, hems, buttonholes, adjustments of patterns, and proper fitting. Students will complete a quilt project and two items of their choice.

Clothing and Textiles III

Prerequisite:
Clothing and Textiles I and II

½ Credit

Students will learn techniques of pattern alterations and advanced fitting techniques. Classroom requirements include a tailored shirt/blouse and one other advanced garment.

INTERRELATED COOP

Prerequisite:
Senior Standing and Acceptance into the Program

2 Credits

This is a class designed for senior students interested in pursuing careers in the various occupations. Students may be released from school for their paid cooperative education work experience and must participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and the improvement of student abilities in the positive interaction with others. The course content includes the following broad areas of emphasis: further career education opportunities; planning for the future; job-seeking skills; personal development; human relationships; legal protection and responsibilities; economics and the job; reorganizations; and job termination. Job related skills are developed via various task list requirements of the desired occupational program. Written training agreements and individual student training plans are developed and agreed upon by the employer, student, and coordinator within the framework of federal, state, and local laws and regulations. A student may meet this Consumer Education requirement upon successful completion of both semesters of this course.

HUMANITIES

Art I

Prerequisite:

1 Credit

Art I will cover the basic elements and principles of design and creating interesting compositions utilizing drawing skills and techniques, as well as the technical aspects of drawing as a foundation for understanding broader media. A variety of media will be utilized including pencil, charcoal, paint, ceramics, fiber arts, and art history to gain a basic understanding of art principles.

Art II

Prerequisite:
Art I

1 Credit

Art II is an extension of Art I where students will work with a variety of mediums including pencil, charcoal, paint, sculpture projects and many others. Students will have more expected of them and the projects will be more advanced since all of the basics were covered in Art I.

Painting I & II

Prerequisite:

1 Credit

Students will learn basic and advanced techniques in painting including advanced color theory and development of spatial awareness while utilizing watercolor, acrylic, tempera, and oil paints. Art history will be interwoven so that students may gain a broader understanding of how painting has developed.

Ceramics I & II

Prerequisite:

1 Credit

Students will learn form and surface design, color utilization, and texture skills using coil, slab, pinch, throwing, and casting techniques to enhance their understanding of 3-dimensional materials. Art history will be

interwoven so that students can develop a broader understanding and perspective of art.

Digital Photography Prerequisite: 1 Credit
Jr./Sr. Standing

Students will gain a basic understanding of a digital camera. Acquisition of F-stops, aperture values, lenses, and exposure concepts will be covered. Furthermore, students will gain knowledge and practice raster vector design programs like Photo Shop/Illustrator. Design elements, aesthetics, and font utilization will be used to develop conceptual ideas.

Senior Studio Prerequisite: ½ or 1 Credit
Art I, and three years of art or instructor approval

Senior Studio is an independent study for students wanting to develop a portfolio for college admittance or a career in art. Students will create an art contract based on individual needs and use this contract to lobby the principal and the art instructor for admittance into the class. Students will attend Portfolio Days and hold a Senior Show.

Spanish I Prerequisite: 1 Credit
Fr./So. Standing or Administrative Approval

Spanish I will provide students with an introduction to the Spanish language and culture. The course emphasizes verb usage, basic grammar skills, and vocabulary expansion as well as oral comprehension and expression.

Spanish II Prerequisite: 1 Credit
Spanish I

Spanish II continues studies begun in Spanish I. More advanced grammar skills and verb study are introduced. Spanish II will provide students with more emphasis on reading comprehension and written and oral expression.

Spanish III Prerequisites: 1 Credit
Spanish I and II
B average in Spanish II

A variety of activities that focus on a practical, personalized communication are used with advanced grammar and vocabulary, focusing on practicing realistic "situations" to help build proficiency in Spanish. Students will build interpretive skills through audio and reading selections. Culture will be presented through authentic photographs, popular sayings, rhymes, songs, and readings.

Spanish IV Prerequisites: 1 Credit
Spanish I, II, & III
B average in Spanish III

Advanced grammar and vocabulary will be used in a variety of activities. Reading selections will include everyday Hispanic materials and excerpts from past and present "classics" and will provide cultural insights into the Spanish-speaking world. Students will also continue advance grammar and vocabulary by practicing realistic situations.

Theater Arts Prerequisite: 1 Credit
So./Jr./Sr. Standing

Theatre Arts will focus on the study and performance of drama including musical theatre. This course will review a wide range of scripted materials, such as plays, screen plays, teleplays, readers' theatre scripts, dramatic criticism, creation of original dramatic works, and the role of dramatic arts in society. We will

explore these works in historical periods. Grades will be based on in class discussions, assignments, quizzes, tests, papers, projects, and presentations.

Band Non-Academic Credit ½ Credit

Membership is open to those students who have demonstrated the knowledge and competency necessary to perform with an instrument and who can assume the responsibility needed to be part of a performing group. Throughout the year the band performs a variety of music at different occasions such as concerts, parades, and football and basketball games. Each year the band competes in concert contests. For those interested in developing their own potential, students can participate in solo and ensemble contests, Jazz Band, District Band, All-State Band, and Honor Band.

Concert Choir Non-Academic Credit ½ Credit

This offers an opportunity to develop individual vocal potential while being an integral part of a large performing ensemble; students will work on voice production, musical and performing skills, and concert music of all periods and types. The concert choir performs 3 to 4 concerts yearly with many additional community appearances. In addition, there will be an opportunity to perform in solo and ensemble contests, choral contests, District Choirs, and All-State Chorus. Freshmen through seniors are eligible through audition with teacher approval.

Honors Choir Non-Academic Credit ½ Credit

This offers an opportunity to develop individual vocal potential while being an integral part of a large performing ensemble; students will work on voice production, musical and performing skills, and concert music of all period and types. The Honors Choir performs 3 to 4 concerts yearly with many additional community appearances. In addition there will be an opportunity to perform in solo and ensemble contests, choral contests, District Choirs, and All-State Chorus. Sophomores through seniors are eligible through auditions.

Transitions for Employment Prerequisite: SAE 1 Credit

This is a lecture, discussion, and hands on/work experience where the focus is workplace skills relevant in their lives such as career exploration, resume, job application, personal finances, and technology in the workplace.

INDUSTRIAL ARTS (Not available for 2017-2018)

Industrial Arts Orientation Prerequisite: Fr./So. Standing 1 Credit

This is an introduction to the areas of study offered in Industrial Arts. Students will gain hands-on experience in woodworking, using both hand tools and machinery to complete two assigned projects. Students will be prepared for the welding area by practicing oxy/acetylene cutting of steel and arc welding. Advanced welding processes will be demonstrated. The drafting area will be introduced with emphasis on measurement, use of drafting tools, accuracy, and basic drafting technique. Students will be responsible for material costs of individual projects in the woodworking section.

Advanced Technical Drafting Prerequisite: Industrial Arts Orientation ½ Credit

Principles of drafting learned in orientation class will be expanded into dimensioned orthographic projection, pictorial drawing, and section views. Emphasis will be placed on accuracy and technique. Students will be introduced to hands-on experience using computer assisted drafting (AUTO CAD).

Machine Woodworking Prerequisite: ½ Credit
I.A. Orientation, Adv Technical Draft or
Instructor Permission

Students will learn the proper procedures used in woodworking by building and completing a project of their own choice. Simple cabinetry is expected at this level, but more advanced work is allowed if within the student's abilities. Material costs must be paid by the student.

Beginning Cabinet and Furniture Making Prerequisite: 1 Credit
Technical Drafting/Machine Woodworking
or Instructor Permission

A full time shop class period will allow students to practice learned skills on a minimum of two projects which may be chosen by the student as long as it is of sufficient difficulty as decided by the instructor. Daily progress, quality, and accuracy will determine grades. Material cost must be paid by student. Students will also participate in a unit on mass production.

Advanced Cabinet and Furniture Making Prerequisite: 1 Credit
Beginning Cabinet/Furniture Making

Skills and techniques of woodworking will be honed by completing two difficult projects or one very difficult project as decided individually between the student and instructor. Students will be expected to perform most basic operations and adjust machines to do so. Project complexity and finished quality will determine grade. Students will also participate in a unit on mass production.

Welding Prerequisite: ½ Credit
So./Jr./Sr. Standing

An in-depth study of welding processes; hands-on experience will include oxygen/acetylene welding, brazing, and cutting and also shielded metal arc welding. Strong emphasis shall be placed on welding safety and quality of workmanship.

AGRICULTURE

Introduction to Agriculture Prerequisite: 1 Credit
Fr./So. Standing

This orientation course provides an opportunity for students to learn how agricultural industry is organized; its major components; the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, horticulture, natural resources, agribusiness management, agricultural mechanics, biotechnology, food science, environmental science, and leadership will be presented. Because FFA and Supervised Agricultural Experience Programs are integral components of this course, students will be encouraged to start and maintain an SAE and to participate in FFA activities.

AGB 135 -Agribusiness Management (for Con Ed Credit and Parkland Dual Credit) ½ Credit
(Not available for 2017-2018)

Prerequisite: 3.0 GPA and Completion of the Dual Credit Forms

This course will provide students with the basic knowledge and skills necessary to manage personal finance and develop in a successful entrepreneur and/or business person. Instructional units include business ownership types; starting, managing, operating, and financing an agribusiness; marketing, economic principles, taxes, business ethics, and developing employability skills.

Agricultural Leadership & Communication Prerequisite: Intro to Agriculture
So./Jr./Sr. Standing 1 Credit

Agricultural Leadership and Communications is a one-year course designed to help students develop their analytical and communication skills. Through the course of the year, students analyze current agricultural issues and determine how they affect people on all sides of an issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society.

Agricultural Mechanics and Technology Prerequisite: Jr./Sr. Standing & Welding I 1 Credit

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

Supervised Agricultural Experience Programs (SAEP) 1/8 Credit
Per Semester Pass/Fail

This experience program is for students in grades 10-12. Students must be enrolled concurrently in an agricultural education course or receive prior approval by agriculture instructor. Individual students will have a minimum of one approved project or acceptable plans for a project. Supervised study, project record book work, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience. Class may be repeated each year to build upon the previous program.

Veterinary Technology Prerequisite: Jr./Sr. Standing & Biology 1/2 Credit

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Five hours of service at a veterinary clinic or animal shelter will be required.

**** Other Agricultural Courses can be found under the Science Section located on pages 5-7.**

ON LINE HIGH SCHOOL COURSES

Tuscola High School will allow students to take online courses and work on them during the school day while enrolled in a study hall. These courses may include general courses and advanced placement courses. TCHS will provide the student with the approved website information for the online course.

The following requirements will apply:

1. Students must be enrolled at TCHS
2. Students must be a sophomore, junior or senior
3. Students must pay their own registration costs and any additional materials costs
4. Students may not take a course that is offered at Tuscola High School
5. Approval must be granted by the guidance office and the principal
6. Grades will be calculated into the GPA and class rank
7. A student must have a study hall to be utilized specifically for the on line class
8. All tests and quizzes must be taken at TCHS unless authorization has been granted by the administration

PROGRAMS OF STUDY

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Studies have shown that students select a general direction of interest early in life. Although individual career choices vary, most students choose related careers within their initial pattern. The state of Illinois has divided careers into 16 programs of study (POS).

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS
MARKETING, SALES AND SERVICE
MANUFACTURING
LAW, PUBLIC SAFETY, CORRECTIONS & SECURITIES
INFORMATION TECHNOLOGY
INDUSTRIAL AND ENGINEERING TECHNOLOGY
HUMAN SERVICES
HOSPITALITY AND TOURISM
HEALTH SCIENCE
GOVERNMENT AND PUBLIC ADMINISTRATION
FINANCE
EDUCATION AND TRAINING
BUSINESS MANAGEMENT AND ADMINISTRATION
ARTS, AV TECHNOLOGY AND COMMUNICATIONS
AGRICULTURAL, FOOD & NATURAL RESOURCES
ARCHITECTURE AND CONSTRUCTION

On the following pages, the 16 POS are listed with possible course selections given. Keep in mind that in order to pursue professional degrees, students may need additional course work beyond the ones listed.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Electronic Control Sys. Tech	AAS
Math	Math	Math	Math	Math+	Electronics	Certificate
S. Studies		Am. Gov	U.S. History		Engineering Science	AAS and Transfer
Science	L. Science	Science	Chemistry+	Physics+	Industrial Technology	AAS, AS and Transfer
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Physical Science	AS and Transfer
Other Req.	1 additional semester of a social studies course			Con Ed.	Mathematics	AS and Transfer
	Comp. Conc.	Health				
Other Suggested	Web Design	Bus. Graphics	CIS 101	CIS 131		
Courses:			CIS 134	CIS 135		
			DATA	DATA		
			Spanish.+			
			Parkland Dual Cr.	Parkland Dual Cr.		

POSSIBLE CAREERS

High School/ On the Job Training

Weigher
Sampler

Semi-Skilled /Skilled (Community College)

Estimator
Quality Control Tech.
Environmental Science and Protection Tech.
Robotics Technician
Chemical Technician
Engineering Technician

Professional** (College Degree)

Civil Engineer
Materials Engineer
Laser Engineer
Mechanical Electrical Engineer
Industrial /Mfg. Engineer
Physicist
Chemist

Suggested Extra Curricular Activities: Science Olympiad, FFA, Scholastic Bowl, NHS

** These careers need more math and science than what is required for graduation

+ These courses are needed for some majors

MARKETING, SALES AND SERVICE

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Business-Marketing	AAS
Math	Algebra I or Geom*	Geom. Or Alg.II*	Alg.II* or Trig/Stats	Trig/Stats* or Calculus	Landscape Design, Construction and Management	AAS
S. Studies		Am. Gov	U.S. History			
Science	L. Science or Biology		Chemistry+	Physics+		
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning		
					See also Business Mgmt careers	
Other Req.	1 additional semester of a social studies course			Con Ed		
	Comp. Conc.	Health				
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:		Web Design	Accounting I+	Accounting II+		
		Business Graphics	Business Law+	Psychology+		
			CIS Courses	Pr.&Vis.Media		
			Speech	Marketing		
				CIS Courses		
			Parkland Dual Cr.	Parkland DC		
			On Line Courses	On Line Courses		
				Work Coop		

POSSIBLE CAREERS

High School/ On the Job Training

Retail Sales
Business Manager
Floral Designer
Funeral Director
Stock Clerk
Order Fillers
Cashier

Semi-Skilled/Skilled (Community College)

Sales Representative
Advertising Sales Agent

Professional** (College Degree)

Property, Real Estate &Comm.
Manager
Advertiser
Promotions Managers

Suggested Extra Curricular Activities: FBLA, Key Club, FFA, Student Council, Class Officer

+These courses are needed for some majors

*If a student selects Geometry their freshman year, they must continue through the math progression and end with Calculus as a senior.

MANUFACTURING

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Electronic Control Sys. Tech	AAS
Math	Math	Math	Math	Math+	Electronics	Certificate
S. Studies		Am. Gov	U.S. History		Industrial Operations	Certificate
Science	L. Science	Science		Physics+	Industrial Technology	AAS, AS
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Industrial Maintenance Tech	Certificate
Other Req.	1 additional semester of a social studies course			Con Ed.	Heating, Ventilation and AC	Certificate
	Comp. Conc.	Health			Construction: Sheet Metal	Certificate
Other Suggested	Art I	Web Design	CIS 101	CIS 131		
Courses:			Welding	CIS 134		
			Spanish +	CIS 135		
			Parkland Dual Cr.	Parkland Dual Cr.		

POSSIBLE CAREERS

High School/ On the Job Training

Parts/Counter Person
 General Maint.& Repair
 Drafting Assistant
 Sheet Metal Worker
 Machine Operator
 Product Assembler
 AC/Heating Apprentice

Semi-Skilled /Skilled (Community College)

Production Supervisor
 Welder
 Heating and Cooling Tech
 Electrician
 Building Inspector
 Estimator
 Robotics Technician
 Drafter
 Engineering Technician
 Quality Control

Professional** (College Degree)

Contractor
 Production Manager
 Laser Engineer
 Industrial /Mfg. Engineer
 Industrial Designer
 Mechanical Electrical Engineer

Suggested Extra Curricular Activities: Science Olympiad, FFA, Set building for plays, FBLA

** These careers need more math and science than what is required for graduation

+ These courses are needed for some majors

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITIES

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III/AmLit	English IV	Criminal Justice	AAS, AA
Math	Algebra I	Geometry	Algebra II	Other Math	Fire Service Technology	AAS, Certificate
S. Studies		Am. Gov	U.S. History		Mass. Comm, Public Relations	AA and Transfer
Science	L. Science or Biology	Biology+	Chemistry+		Psychology, Sociology, Social Work, Pol. Science	AA and Transfer
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Cr. Justice Education	AA S and Transfer
Other Req.	1 additional semester of a social studies course					
	Comp. Conc.	Health	Psychology			
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:		Art	Speech	Bus. Law		
		Ch. Dev.	Psychology	Sociology		
				Work Coop		
			On Line Courses	On Line Courses		
			Parkland Dual Credit	Parkland Dual Credit		

POSSIBLE CAREERS

High School/ On the Job Training

Security Guard
Police, Fire & Ambulance
Dispatcher

Semi-Skilled/Skilled (Community College)

Law Clerk
Human Services Worker
Court Reporter
Court Recorder
Para Legal
Legal Assistant
Correctional Officer
Local Law Enforcement
Firefighter

Professional** (College Degree)

Lawyer
Judge
Magistrate
Adjudicator
Hearing Officer
State/Fed. Law Enforcement
Probation Officer
Hearing Officer

Suggested Extra Curricular Activities: FCCLA, Lifesavers, Student Council, FBLA, FFA, Key Club

**These careers may need more courses than what is required to graduate from high school
+These courses are needed for some majors

INFORMATION TECHNOLOGY

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Computer Science	AS, Transfer
Math	Algebra I	Geometry	Algebra II	Other Math**	Computer Info Systems	AS, Transfer
S. Studies		Am. Gov	U.S. History		Microcomputer	Certificate
Science	L. Science		Science		Micro. Support Specialist	AAS
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Network Sys. Admin	AAS, Transfer
Other Req.	1 additional semester of a social studies course			Con Ed.	Networking-Linux	Certificate
	Comp. Conc.	Health			Programming	Certificate
					MS Server Admin	Certificate
Other Suggested	Spanish +	Web.Des.	CIS 101	Other CIS courses	Cisco Networking	Certificate
Courses:		Bus. Graph.		Work Coop	Networking Certif. Admin.	Certificate
					Network Security Spec.	Certificate
				On Line Courses	Computer MCAS	Certificate
			Parkland Dual Cr Computer classes	Parkland Dual Cr Computer Classes	Database Management	AAS & Transfer
					Information Processing	Certificate

POSSIBLE CAREERS

High School/ On the Job Training

Data Entry Clerk

Semi-Skilled /Skilled (Community College)

Computer Programmer
Computer Repairer
Automated Teller Repairer
Office Machine Repairer

Professional** (College Degree)

Computer System Analyst
Computer Support Specialist
Computer Programmer
Computer Software Engineer
Network & Computer System Admin. – Systems Software
Network System & Data Comm. Analyst
Database Administrator
Comp. & Hardware Engineer
Comp. & Info Scientist

Suggested Extra Curricular Activities: FBLA, Science Olympiad

**These careers need more math and science than what is required to graduate from high school

+These courses are needed for some majors

INDUSTRIAL AND ENGINEERING TECHNOLOGY

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	ASSET Program	AAS
Math	Pre-Alg or Algebra I	Algebra I or Geometry	Geometry or Algebra II	Statistics/ Trigonometry+	Auto Collision Repair	Certificate, AAS
S. Studies		Am. Gov	U.S. History		Auto Service	Certificate
Science	L. Science	Science		Physics+	Auto Technology	AAS, Certificate
P.E.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	Building Const. & Repair	Certificate
Other Req.	1 additional semester of a social studies course			Con Ed.	Computer Drafting	Certificate
	Comp. Conc.	Health			Construction Des. & Mgmt	AAS
					Electronic Control Sys. Tech	AAS
Other Suggested	Spanish+	Web Design	Welding	Work Coop	Electronics	Certificate
Courses:		Ag. Classes	Foreign Lang.	CIS courses	Industrial Operations	Certificate
					Industrial Technology	AAS, AS, Certificate
			Parkland Dual Cr.	Parkland Dual Cr.	Engineering Science	AAS and Transfer
					Diesel Power Eqpt. Tech	AAS

POSSIBLE CAREERS

High School/

On the Job Training

Auto Truck Mechanic
 Auto Body Apprentice
 Tire Service Technician
 Parts/Counter Person
 Bricklayer
 Roofer
 Refinisher
 Floor Covering Installer
 Dry Waller
 Drafting Assistant
 AC/Heating Apprentice
 Machine Operator
 Product Assembler

Semi-Skilled /Skilled

(Community College)

Auto Body Technician
 Automotive Repair Service
 Certified Auto Mechanic
 Diesel Mechanic
 Carpenter
 Heating and Cooling Tech
 Electrician
 Building Inspector
 Estimator
 Robotics Technician
 Drafter
 Engineering Technician
 Appliance Repair

Professional**

(College Degree)

Body Shop Manager
 Auto/Diesel Instructor
 Architect
 Civil Engineer
 Woodworking Instructor
 Contractor
 Landscape Architect
 Industrial Designer
 Mechanical Electrical Engineer
 Industrial /Mfg. Engineer
 Laser Engineer
 Production Manager

Suggested Extra Curricular Activities: Science Olympiad, FFA, Set building for plays

** These careers need more math and science than what is required for graduation

+ These courses are needed for some majors

HUMAN SERVICES

The chart below lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Child Development	AAS, Certificate
Math	Math	Math	Math+		Criminal Justice	AAS, AA and transfer
S. Studies		Am. Gov	U.S. History			
Science	L. Science or Biology	Biology or Chem	Chemistry or Physics+			
P.E.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	Psychology, Sociology, Soc. Work, Pol. Sci, Speech	AA and Transfer
Other Req.	1 additional semester of a social studies course					
	Comp. Conc.	Health	Psychology		Fire Service Technology	AAS, Certificate
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+	Kinesiology,	AS and Transfer
Courses:		F&N I, II	Am. Lit	Ad. Living	Mass. Communications	AA and Transfer
		Clothing & Textiles	Res. Mngmt.	Sociology		
				Work Coop		
			Parkland Dual Credit	Parkland Dual Credit		
			On Line Courses	On Line Courses		

POSSIBLE CAREERS

High School/ On the Job Training

Child Care Worker
 Personal & Home Care Aide
 Geriatric Aide
 Recreation Worker
 Coach

Semi-Skilled/Skilled (Community College)

Nanny
 Human Services Worker
 Teacher's Assistant
 Day Care Manager

Professional** (College Degree)

Social Worker
 Social Service Worker
 Psychologist
 School Counselor
 Rehab Counselor
 Mental Health Counselor
 Sub. Abuse Counselor
 Behavior Disord. Counselor
 Probation Officer
 Medical and Public Health
 Social Worker

Suggested Extra Curricular Activities: FCCLA, Lifesavers, Student Council, Key Club, NHS

**These careers may need more courses than what is required to graduate from high school

+These courses are needed for some majors

HOSPITALITY AND TOURISM

The chart below lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Food Service	Certificate
Math	Math	Math	Math	Math+	Hotel/Motel Mgmt.	AAS, AS and Transfer
S. Studies		Am. Gov	U.S. History		Restaurant Mgmt	AAS, AS and Transfer
Science	L. Science or Biology	Biology+	Chemistry+	Science+	Hospitality:Resort and Casino Mgmt.	AAS
P.E.	P.E.	P.E.	P.E.	P.E.		
Other Req.	1 additional semester of a social studies course					
	Comp. Conc.	Health	Psychology			
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:		F&N I, II	Am. Lit	Ad. Living		
			Res. Mngmt.	Sociology		
				Work Coop		
				Psychology		
			Parkland Dual Credit	Parkland Dual Credit		
			On Line Courses	On Line Courses		

POSSIBLE CAREERS

High School/ On the Job Training

Recreation Work
 Prep Cook
 Waitress/Host/Hostess
 Bartender
 Fast Food Cook
 Hotel Housekeeping
 Hotel Desk Clerk
 Janitor/Cleaner

Semi-Skilled/Skilled (Community College)

Chef Assistant
 Caterer
 Banquet Director
 Recreation Director
 Food Service Manager

Professional** (College Degree)

Restaurant Owner
 Dietician
 Chef

Suggested Extra Curricular Activities: FCCLA, FBLA, Student Council, Key Club, NHS

**These careers may need more courses than what is required to graduate from high school
 +These courses are needed for some majors

HEALTH SCIENCE

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Dental Hygiene	AAS
Math	Math	Math	Math	Math+	EMT	Certificate
S. Studies		Am. Gov	U.S. History		Massage Therapy	Certificate
Science	Lab Sci. or Biology	Biology	Chemistry	Adv Bio/Chem+	Medical Assisting	Certificate
P.E.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	Nurse Assistant	Certificate
Other Req.	1 additional semester of a social studies course			Con Ed	Nursing	AAS
	Comp. Conc.	Health			Occupational Therapy Asst.	AAS
					Radiologic Technology	AAS
Other Suggested					Respiratory Care	AAS
Courses:	Fam. Cons. Sci. Orientation	BSAA	Psychology	Sociology	Surgical Technology	AAS
		F & N I	Child Dev.	Parkland-Health Occupations	Biological Sciences	AS and Transfer
		Vet Tech	Parenting		Pre-professional Medical	AS and Transfer
			On Line Courses	On Line Courses		
					Veterinary Technology	AAS
		Spanish	Spanish	Spanish	Medical Lab Technology	Certificate
					Medical Transcriptionist	Certificate
					Dietetic Technician	AAS
					Dietary Manager	Certificate
					Computed Tomography	Certificate
					MRI Technician	Certificate
					Practical Nursing	Certificate

POSSIBLE CAREERS

High School/ On the Job Training

Ambulance Driver
Home Health Aide
Phlebotomist
Admitting Clerk
CNA
Nursing Aide/Orderly

Semi-Skilled (Community College)

Substance Abuse Counselor
Dental Hygienist
Occupational Therapy Asst.
Licensed Practical Nurse
Radiological Technician
Physical Therapy Asst.
Surgical Technician
Registered Nurse
Medical Technologist
Paramedic/EMT
Massage Therapist
Dental Assistant
Medical Assistant
Pharmacy Technician
Medical Records & Health Info.

Professional** (College Degree)

Pre-Med
Pre-Pharmacy
Radiologist
Registered Nurse
Physical Therapist
Speech Pathologist
Dietician
Pre-Dental
Athletic Trainer
Physician's Assistant
Occupational Therapist
Medical Social Worker
Nurse Practitioner
Pharmacist
Medical & Health Service Mgr.

Suggested Extra Curricular Activities: Science Olympiad, FFA, FCCLA, Lifesavers, Key Club

**These careers need more math and science than what is required to graduate from high school

+These courses are needed for some majors

GOVERNMENT AND PUBLIC ADMINISTRATION

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III/AmLit	English IV	Criminal Justice	AAS, AA
Math	Math	Math	Math	Math+	Political Science	AA and Transfer
S. Studies		Am. Gov	U.S. History		History	AA and Transfer
Science	L. Science or Biology	Biology+	Chemistry+			
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning		
Other Req.	1 additional semester of a social studies course					
	Comp. Conc.	Health	Psychology			
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:			Speech	Bus.Law		
			Psychology	Sociology		
				Work Coop		
			Parkland Dual Credit	Parkland Dual Credit		
			On Line Courses	On Line Courses		

POSSIBLE CAREERS

High School/ On the Job Training

Gen. Office Clerk
 Maintenance Worker
 Jailer
 Recreation Worker
 Court Clerk
 License Clerk
 Emergency Mgmt Specialist

Semi-Skilled/Skilled (Community College)

Local Law Enforcement
 Human Services Worker
 Recreation Director

Professional** (College Degree)

Chief Executive
 Social Service Worker
 Community Serv. Manager
 Legislator
 Compliance Officer
 State/Fed. Law Enforcement
 Urban and Regional Planner

Suggested Extra Curricular Activities: FCCLA, Lifesavers, Student Council, FBLA, FFA, Key Club

**These careers may need more courses than what is required to graduate from high school

+These courses are needed for some majors

FINANCE

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Accounting	AAS,Certificate
Math	Math	Math	Math	Math+	Agri-Business	AAS, Certificate
S. Studies		Am. Gov	U.S. History		Business Administration	AS
Science	L. Science or Biology		Chemistry+	Physics+	Business Marketing	AAS
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning		
Other Req.	1 additional semester of a social studies course			Con Ed		
	Comp. Conc.	Health				
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:		Web Design	Accounting I+	Accounting II+		
		Business Graphics	Business Law+	Psychology+		
			CIS Courses	Work Coop		
			Speech	Marketing		
				CIS Courses		
			Parkland Dual Credit	Parkland Dual Credit		
			On Line Courses	On Line Courses		

POSSIBLE CAREERS

High School/ On the Job Training

Customer Service Representative
 Data Entry Clerk
 Account Fund Raiser
 Clerk/Typist
 Insurance Claims/Policy Clerk
 Salesperson
 Cashier
 Personal Shopper
 Bank Teller
 File Clerk
 Bill Collector

Semi-Skilled/Skilled (Community College)

Debt counselor
 Tax Examiner
 Title Researcher
 Trust Officer
 Financial Planner
 Accounting Clerk
 Appraiser
 Real Estate Broker
 Small Business Owner
 Market Researcher

Professional** (College Degree)

Securities Broker
 Abstractor
 Personal Financial Mgr.
 Loan Officer
 Financial Analyst
 Insurance Underwriter
 Accountant
 Claims Adjuster
 Independent Insurance Agent
 Financial Manager
 Business Consultant
 Actuary
 Credit Analyst
 Economist
 Auditor

Suggested Extra Curricular Activities: Yearbook, FBLA, FFA, Student Council, Class Officer, Key Club

**These careers may need more courses than what is required to graduate from high school

+These courses are needed for some majors

EDUCATION AND TRAINING

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Child Development	AAS, Certificate
Math	Math	Math	Math+		Psychology, Sociology, Soc. Work, Pol. Sci, Speech	AA and Transfer
S. Studies		Am. Gov	U.S. History		Kinesiology, Exercise Phys., Athletic Trng, Sports Mngmt	AS and Transfer
Science	L. Science or Biology	Biology or Chem	Chemistry or Physics+		Art Education	AFA and Transfer
P.E.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	P.E. or Cond.	Education Paraprofessional	AAS
Other Req.	1 additional semester of a social studies course				Early Childhood Ed.	AA and Transfer
	Comp. Conc.	Health	Psychology		Music Education	AFA and Transfer
					El.Ed., Sec. Ed. Sp. Ed	AA or AS and transfer
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+	Business Ed	AS and transfer
Courses:		F&N I, II	Ad. Living	Res. Mngmt.		
		C & T I, II	Am. Lit.	Sociology		
		Ch. Dev	IVS Courses	Work Coop		
		Parenting				
			Parkland Dual Credit	Parkland Dual Credit		
				On Line Courses		

POSSIBLE CAREERS

**High School/
On the Job Training**
 Child Care Worker
 Coach
 Library Clerk

**Semi-Skilled/Skilled
(Community College)**
 Nanny
 Teacher's Assistant
 Day Care Manager
 Library Assistant

Professional
(College Degree)**
 Social Worker
 Social Service Worker
 Psychologist
 Elementary Teacher
 Secondary Teacher
 Athletic Director
 Dean of Students
 Educational, Vocational or
 School Counselor
 Sp. Ed. Teacher
 Pre-School Teacher
 Educational Administrator
 Instructional Coordinator
 Vocational Ed. Teacher
 Adult, Literacy, GED Teacher

Suggested Extra Curricular Activities: FCCLA, Lifesavers, Student Council, FBLA, FFA, Key Club

**These careers may need more courses than what is required to graduate from high school
 +These courses are needed for some majors

BUSINESS MANAGEMENT AND ADMINISTRATION

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Business – Entrepreneurship	Certificate
Math	Algebra I or Geom*	Geom. Or Alg.II*	Alg.II* or Int. Algebra, Trig./Stats*	Trig/Stats* or Calculus	Agri-Business - Mgmt	AAS
S. Studies		Am. Gov	U.S. History		Business Administration	AS
Science	L. Science or Biology		Chemistry+	Physics+	Ag Bus. – Equine Mgmt	AAS, Certificate
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Ag Bus.-Grain Merchandising. & Management	AAS
Other Req.	1 additional semester of a social studies course			Con Ed	Business – International Business Mgmt.	Certificate
	Comp. Conc.	Health			Business: Management	AAS
					Construction Des. & Management	AAS
Other Suggested	Spanish I	Spanish II	Spanish III+	Spanish IV+		
Courses:		Web Design	Accounting I+	Accounting II+		
		Business Graphics	Business Law+	Psychology+		
			CIS Courses	Work Coop		
			Speech	Marketing		
			Parkland Dual Cr.	Parkland Dual Cr.		
			On Line Courses	On Line Courses		

POSSIBLE CAREERS

High School/ On the Job Training

Receptionist
 Messenger Service
 Loan Office/Bank
 Sales Representative

Semi-Skilled/Skilled (Community College)

Administrative Assistant
 Office Manager
 Executive Secretary
 Legal Secretary
 Medical Transcriber
 Small Business Owner
 Facilities Manager
 Market Researcher
 Event Planner
 Advertising Sales Person

Professional** (College Degree)

Systems Manager
 Business Manager
 Chief Executive
 Dealership Owner
 International Event Planner
 Independent Insurance Agent
 Medical Librarian
 Legal Researcher
 Hospital Administrator
 Business Consultant

Suggested Extra Curricular Activities: Yearbook, FBLA, FCCLA, FFA, Student Council, Class Officer

**These careers may need more courses than what is required to graduate from high school

+These courses are needed for some majors

*If a student selects Geometry their freshman year, they must continue through the math progression and end with Calculus as a senior.

ARTS, AV TECHNOLOGY AND COMMUNICATIONS

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV-Print & Vis. Media	Digital Media: Web Design	AAS
Math	Math	Math	Math		Digital Media: Web Devel.	AAS
S. Studies		Am. Gov	U.S. History		Digital Media: 3D Animation	AAS
Science	L. Science	Biology+	Chemistry+		Construction: Painting & Dec.	Certificate
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Mass Communication	AA and Transfer
Other Req.	1 additional semester of a social studies course				Mass Comm: Audio-Video Communication	AAS
	Comp. Conc.	Health		Con Ed	Mass Comm: Audio-Video Technology	AAS
					Mass Comm: Photography	AAS
Other Suggested					Graphic Design	AAS, AA and Transfer
Courses:	Art/Music	Art/Music	Art/Music	Art/Music	Theatre Arts	AA and Transfer
	FCS Orientation	Cloth. & Tex.	Web Design	Bus. Graphics	Art and Design	AFA and Transfer
			Am Lit	Liv. Environment	Music Performance	AFA and Transfer
			Parkland Dual Credit	Parkland Dual Credit	Music or Art Education	AFA and Transfer
			Speech	CIS Courses	Digital Media: Web Programmer	AAS, Certificate
			On Line Courses	Ag Leadership	Speech Communication	AAS and Transfer
			Dig. Photo			

POSSIBLE CAREERS

High School/ On the Job Training

Model
Telephone Operator
Musician/Singer
Singer
Printing Workers
Telephone Service
Theatre Workers
Actor

Semi-Skilled / Skilled (Community College)

Camera Operator
Instrument Repairer
Home Furnishings Consultant
Photographer
Piano Tuner
Seamstress
Sound Technician
Desktop Publisher
TV and Radio Service
Graphic Designer
Speech Comm. Technician
Webmaster

Professional** (College Degree)

Advertising Designer
Artist
Fashion Designer
Interior Designer
Interpreter
Journalist
Actor/Actress
Public Relations Specialist
Program Director
Writer/Author
Graphic Designer
Set Design
Editor
Choreographer
Music Director

Suggested Extra Curricular Activities: Drama Club, Musicals, Plays, Yearbook, FCCLA, FFA, Band, Choir

**These careers may need more courses than what is required to graduate from high school

+These courses are needed for some majors

AGRICULTURAL, FOOD & NATURAL RESOURCES

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Agriculture	AS
Math	Math	Math	Math	Math+	Veterinary Technology	AAS
S. Studies		Am. Gov	U.S. History		Ag Bus: Applied Agronomy	AAS
Science	L. Sci. or Biology	Biology/Chem	Chem or Adv. Bio/Adv.Chem	Adv.Bio/ Adv.Chem+	Ag Bus: Applied Agronomy	AAS
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Ag Business: Management	AAS
Other Req.	1 additional semester of a social studies course				Ag Bus: Landscape Design	AAS
	Comp. Conc.	Health		Con Ed	Ag Bus: Grain Merchandising	AAS
					Ag Bus: Equine Management	AAS, Certificate
Other Suggested					Horticulture:Floral Design	Certificate
Courses:	Intro to Ag	Ag Science	BSAA Plant/Animal	Environ. Sci.	Horticulture:Landscape, Construction and Mgmt.	AAS
	Recordkeeping	Vet Tech	Horticulture		Dietary Manager	Certificate
	Spanish+	F&N I	F & N II		Dietetic Technician	AAS
					Biological Sciences	AS +Transfer
					Clinical Lab Science	AS +Transfer

POSSIBLE CAREERS

High School/ On the Job Training

Farm Supply Sales
Florist Assistant
Landscape Gardener Asst.
Animal Caretaker
Farmer
Veterinary Assistant
Lab Assistant
Nursery Worker
Lawn Maintenance
Dietary Manager

Semi-Skilled/Skilled (Community College)

Nursery Supervisor
Ag Mechanics
Ag Fabrication
Golf Course Manager
Landscape Design
Veterinary Technician
Horse Trainer
Ag. Sales
Ag. and Food Science Tech

Professional** (College Degree)

Nutritionist
Dietitian
Landscape Architect
Wildlife Management
Grain Elevator Management
Forestry/Conservation
Veterinarian
Aquaculture Scientist
Horticulturist

Suggested Extra Curricular Activities: Science Olympiad, FFA, FCCLA, FBLA

**These careers need more math and science than what is required to graduate from high school
+These courses are needed for some majors

ARCHITECTURE AND CONSTRUCTION

The chart lists academic and technical courses that prepare you for a career in this field

	9th	10th	11th	12th	PARKLAND Majors	Degree/ Certificate
English	English I	English II	English III	English IV	Building Const. & Repair	Certificate
Math	Math	Math	Math	Math+	Construction: Trade Technology	AAS
S. Studies		Am. Gov	U.S. History		Construction Des. & Mgmt – Contracting or Surveying	AAS
Science	L. Science	Science		Physics+	Electronic Control Sys. Tech	AAS
P.E.	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	P.E. or Conditioning	Electronics	Certificate
Other Req.	1 additional semester of a social studies course			Con Ed.	Industrial Operations	Certificate
	Comp. Conc.	Health			Industrial Technology	AAS, AS, Certificate
					Engineering Science	AAS and Transfer
Other Suggested	Art I	Ceramics	Spanish+	CIS courses	Construction: Residential Wiring, Electrical Telecom, Tech, Bricklayer, Carpenter	Certificate Programs
Courses:	Bus. Graphics	Drawing, Painting	Welding		Construction: Glazier, Floor Coverer, Concrete Specialist, Ironworker, Laborer, Millwright	Certificate Programs
					Construction: Painting & Dec., Plumbing, Sheet Metal, Comp. Draft (Mech. or Civil)	Certificate Programs
					Sprinkler System Technology	AAS
			Parkland Dual Cr.	Parkland Dual Cr.	Heating, Ventilation & AC	Certificate

POSSIBLE CAREERS

High School/ On the Job Training

Plumbing Apprentice
 Product Assembler
 Bricklayer
 Roofer
 Refinisher
 Floor Covering Installer
 Dry Waller
 Drafting Assistant
 AC/Heating Apprentice
 Machine Operator
 Structural Iron and Steel Worker
 Maintenance and Repair Worker

Semi-Skilled /Skilled (Community College)

Drafter
 Appliance Repair
 Carpenter
 Heating and Cooling Tech
 Electrician
 Building Inspector
 Estimator
 Surveyor
 Sprinkler System Tech

Professional** (College Degree)

Architect
 Industrial Designer
 Woodworking Instructor
 Contractor
 Landscape Architect

Suggested Extra Curricular Activities: Science Olympiad, FFA, Set building for plays

** These careers need more math and science than what is required for graduation

+ These courses are needed for some majors

DUAL CREDIT PROGRAM

Dual credit courses offered at Parkland give students the opportunity to take a course at the junior college while currently enrolled in high school. These courses are taken for high school credit, and some are required for one or more majors at Parkland. Students who enroll in these courses must meet the following eligibility requirements:

1. Be enrolled at Tuscola High School as a junior or senior.
2. Be approved for dual credit enrollment by principal and counselor (grades and attendance are important factors)
3. Provide their own transportation to and from Parkland
4. Pay for their own books
5. Pay their own tuition and fees
6. Meet additional eligibility requirements as established by Parkland

Students will enroll in one of the pathways listed below. Classes are offered in the early morning, and students will return to the high school for the remainder of the day. Dual Credit Courses are considered a full year commitment unless indicated otherwise. Students enrolled in dual credit will accrue hours and grades on their Parkland transcript, which may affect financial aid after high school. Please contact the financial aid office at Parkland for more information (217-351-2222). **All classes will meet Monday through Friday from 7:30 a.m.-9:30 a.m. at Parkland.**

I. Automotive Technology- can be a 1 or 2 year program.

II. Computer Networking- can be a 1 or 2 year program

III. Criminal Justice- 1 year program

IV. Health Professions: CNA- 1 year program

V. Emergency Medical Services- 1 year program

VI. Manufacturing- can be a 1 or 2 year program

PARKLAND COLLEGE TRANSFER REQUIREMENTS

ASSOCIATE IN ARTS/ASSOCIATE IN SCIENCE MINIMUM ENTRANCE REQUIREMENTS

Community colleges must have minimum entrance requirements comparable to those of the state universities for transfer programs as per Public Act 86-0954 by the fall of 1993.

Parkland College's fall 1993 minimum entrance requirements for students who graduated from high school in 1993 or later and enroll in transfer programs are as follows:

<u>Subject</u>	<u>Years of Course work</u>	<u>Explanatory Notes</u>
English	4	written and oral communications, literature
Mathematics	3	minimum of one year of Algebra I, one year of Geometry and one year of Algebra II (intermediate Algebra)
Science	2	laboratory science
Social Studies	2	history and/or government
Electives	2	foreign language, music, art, or vocational education
Flexible Academic Units	2	two additional courses from any one or two of the Science, Social Studies, and/or Electives categories in addition to approved courses in mathematics and English such as advanced mathematics, computer science, journalism, speech, and creative writing
<hr/>		
Total Academic Units	15	

Note: The above entrance requirements DO NOT APPLY to students entering applied science (career) programs rather than transfer programs.

Students who apply for admissions to transfer programs in 1993 or later and who do not meet the minimum entrance requirements will be granted provisional admission to their particular programs. These students will be required to remove deficiencies before being granted full admission into their particular programs. As a result, provisionally admitted students should usually expect to spend more time earning a degree than students who do not have such deficiencies.

STATE UNIVERSITIES IN ILLINOIS AT A GLANCE

Eastern Illinois University

Eastern Illinois University enrolls students prepared to meet the challenges of a rigorous university curriculum. High school students who complete the college-preparatory curricula described below are more likely to succeed.

College-Preparatory English:

Four years of English, emphasizing composition, grammar and literature. As much as one year of the requirement may be satisfied by two semesters in any combination of drama, debate, public speaking or journalism.

College-Preparatory Mathematics:

Three years of mathematics, including algebra, geometry, advanced mathematics or computer programming.

College-Preparatory Science:

Three years of natural sciences (biological and physical), with significant laboratory experiences.

College-Preparatory Social Studies:

Three years of social studies, including one year of United States history and/or government.

Electives:

Two years of academic or vocational electives.

Foreign Language:

Two years*

**Foreign Language is not an entrance requirement; however, Eastern does require one year in a single foreign language for graduation. Students with two years of a single foreign language in high school with a C or better average will be considered to have met this requirement.*

Illinois State University

You are encouraged to pursue a rigorous and challenging college preparatory program.

- English – 4 years
- Mathematics – 3 years (algebra, geometry, algebra II - trigonometry or higher)
- Natural science – 2 years with laboratories
- Social Science – 2 years
- Foreign language – 2 years of one language OR Fine arts – 2 years of fine arts
- Electives – 2 years

Deficiencies are not allowed in any subject area.

Western Illinois University

Freshman entering WIU are to have completed the following high school course work prior to entering the University:

- English: four years of courses, with emphasis on written and oral communication and literature
- Social Studies: three years of courses, emphasizing history and government
- Mathematics: three years of courses, introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming
- Science: three years of courses, laboratory sciences which include biology, chemistry, physics, earth science, or other college preparatory sciences
- Other: two years of electives to be selected from art, film, foreign language, music, speech, theatre, journalism, religion, philosophy, and vocational education

If a student has not completed the course-specific requirements, the University will evaluate those students on a case-by-case basis for evidence of the mastery of skills in the area(s) of the deficiency.

Southern Illinois University-Carbondale

New freshmen and transfer students (with fewer than 26 semester hours or 39 quarter hours) must satisfy these course pattern requirements in high school:

- English: 4 units
- Social Studies: 3 units
- Mathematics: 3 units
- Science: 3 units
- Electives: 2 units*

Note: One year is defined as 1.0 unit; 1/2 year = 0.5, 1/3 year = 0.33, and 1/4 year = 0.25.

Course Pattern Definitions

English: Course work must emphasize written and oral communication and literature. Typically not acceptable are general reading, mass communications, radio/television/film, and theater.

Mathematics: Algebra I and II, and a proof-based geometry course. A fourth unit is highly recommended: trigonometry and pre-calculus, or statistics, depending on the student's area of interest.

Lab Science: Acceptable course work includes biology, chemistry, physics, earth science, or other college preparatory science. General science courses are typically not acceptable.

Social Science: Course work must emphasize history and government. Anthropology, economics, geography, political science, psychology, and sociology are also acceptable.

Electives: Course work in foreign language, music, art, or vocational education is acceptable. If a foreign language is taken, it must include two semesters of the same language.

College Prep Courses

Talk to your guidance counselor or one of our Admissions Counselors regarding college preparatory courses that will satisfy SIUC's course subject pattern requirements.

Southern Illinois University-Edwardsville

Successfully complete the high school course pattern requirements:

- 4 years of English
- 3 years of Math
- 3 years of Lab Science
- 3 years of Social Science, and
- 2 years of Electives

University of Illinois-Urbana Champaign

High School Coursework Requirements

Subject	Minimum Required Years of Coursework	Recommended Years of Coursework
English	4	4
Math	3 or 3.5 ¹	4
Social Sciences	2	4
Lab Sciences	2	4
One Foreign Language	2	4
Flexible Academic Units	2	4+

¹ 3.5 years of mathematics, including trigonometry or higher are required for:

- **Agricultural, Consumer, and Environmental Sciences:** agricultural engineering sciences
- **Business:** all curricula
- **Engineering:** all curricula
- **Fine and Applied Arts:** architectural studies
- **Liberal Arts and Sciences:** specialized curricula in biochemistry, chemical engineering, chemistry, geology, and physics

Northern Illinois University

Required High School Curriculum:

English	4 years
Mathematics	3 years (algebra, geometry, algebra II, trigonometry or higher)
Science	3 years (at least one year lab science)
Social Studies	3 years (at least one must be US History or US Government)
Foreign Language, Art, or Music.	2 years

Up to one year of required coursework in Science, Social Studies, Foreign Language, Art, or Music can be distributed in any of the five subject areas listed above.



NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

KNOW THE RULES:

Core Courses

- **Starting August 1, 2008, 16 core courses** will be required for **NCAA Division I only**. This rule applies to any student first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.
- **14 core courses are required in NCAA Division II**. See the breakdown of core-course requirements below.

Test Scores

- **Division I** has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68. The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, math, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.**

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- **Be sure** to look at your high school's list of NCAA-approved core courses on the clearinghouse Web site to make certain that the courses being taken have been approved as core courses. The Web site is www.ncaaclearinghouse.net.
- **Division I** grade-point-average requirements are listed on page two of this sheet.
- **The Division II** grade-point-average requirement is a minimum 2.000.

Core-Course Rule 16 Core-Course Rule

16 Core Courses:

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

DIVISION II 14 Core-Course Rule

14 Core Courses:

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 2 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

PLEASE NOTE: For students first entering any NCAA college or university on or after August 1, 2005, **computer science** courses may only be used for initial-eligibility purposes if the course receives graduation credit in mathematics or natural/physical science and is listed as such on the high school's list of NCAA-approved core courses.

OTHER IMPORTANT INFORMATION

- Division II has no sliding scale. The minimum core grade-point average is 2.000. The minimum SAT score is 820 (verbal and math sections only) and the minimum ACT sum score is 68.
- 14 Core courses are required for Division II.
- 16 Core courses are required for Division I.
- The SAT combined score is based on the verbal and math sections only. The writing section will not be used.
- SAT and ACT scores must be reported directly to the clearinghouse from the testing agency. Scores on transcripts will not be used.

For more information regarding the rules, please go to www.ncaa.org. Click on "Academics and Athletes" then "Eligibility and Recruiting." Or visit the clearinghouse Web site at www.ncaaclearinghouse.net.

Please call the NCAA Eligibility Center if you have questions:

Toll-free number: 877/622-2321

NCAA DIVISION I SLIDING SCALE CORE GRADE-POINT AVERAGE/ TEST-SCORE

New Core GPA / Test Score Index

Core GPA	SAT	ACT
	Verbal and Math ONLY	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86