

GRADUATION REQUIREMENTS

Number of credits required for graduation: 26 credits. Credit is earned as follows: 1/2 credit per one-semester course.

English	4 credits (including 1/2 credit speech).
Social Studies	2 credits (including 1 credit U.S. History and ½ credit of Civics)
Constitution Requirement	Must pass tests on both the U.S. and IL Constitutions
Mathematics	3 credits including one with geometry content
Science	2 credits
Elective	1 credit of Music, Art, Foreign Language or Vocational Education
Consumer Education	1/2 credit
Health	1/2 credit
Physical Education	Daily enrollment is required. Students in grades 9 and 10 may substitute their required Health class for one semester of Physical Education. Juniors and Seniors may elect to substitute another class in place of P.E. in any one of the following circumstances: <ol style="list-style-type: none">1. The student is participating in interscholastic athletics. P.E. will be waived only for the semester(s) during which the student is participating in the sport.2. The student is participating in the fall marching band program. PE will be waived only for the semester during which the student is participating in the fall marching band program.3. The student is substituting a class specifically required for college admission.4. The student is substituting a class required for high school graduation.

Fees: Some courses may require fees as needed for materials. These fees change from year to year and may vary according to materials selected by students. Some courses which may require fees include Art, Driver Education, lab sciences, vocational courses and CareerTEC courses.

Correspondence Credit: Students may earn 1 full credit through correspondence course work, which can be applied toward graduation. However, the correspondence course must have prior administration approval. Additional correspondence credit may be allowed with administrative approval.

Credits prior to high school: High school courses taken while in junior high will count towards graduation credit. In addition, the grades earned will apply to the high school GPA.

Credits through transfer: The acceptance and value of transfer credit will depend upon administrative approval based upon prevailing conditions, circumstances and the nature of the courses transferred.

Required course load: Every student must be scheduled for a minimum of 3.5 units of credit each semester.

Illinois Virtual School (IVS): Students may enroll in virtual (on-line) courses with administrative approval. Courses may replace a class period during the school day or be taken in addition to a full course load. More information can be found at www.ilvirtual.org.

DUAL CREDIT

Students, with administrative approval, may be dually enrolled at Dakota High School and an institution of higher learning. Students may receive high school credit and college credit simultaneously for the same classes with prior approval. Students will be responsible for tuition and related costs.

No required graduation credits may be earned by correspondence and/or college course work, unless approved by the Principal. An exception may be for a course attempted and failed at the high school, or a course that is impossible to work into a college prep schedule.

CLASS STANDING

Students are assigned to class standings at the beginning of the school year based on the following earned credits:

0 - 4 3/4 credits	Freshman
5 - 11 3/4 credits	Sophomore
12 - 18 3/4 credits	Junior
19 or more credits	Senior

Fourth year students with 18 - 18 3/4 credits may be considered Seniors with additional enrollment in a correspondence course.

IBHE AND NCAA GUIDELINES

Dakota High School students who are considering college enrollment following graduation should be aware of recent guidelines established by the Illinois Board of Higher Education and by the National Collegiate Athletic Association.

The **Illinois Board of Higher Education** has instituted minimum high school coursework requirements for admission to transfer programs at Illinois public community colleges and to Illinois public universities. Following is a listing of required coursework:

4 years of English (emphasizing written and oral communications and literature),

3 years of social studies (emphasizing history and government),

3 years of mathematics (introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming),

3 years of the sciences (laboratory sciences), and

2 years of electives in foreign language, music, art, or vocational education.

*** Some colleges have provided students with a greater amount of flexibility in meeting these guidelines. In these instances, 3 of the 15 units of coursework required may be distributed by deducting no more than one unit from the areas of math, social studies, science, or the electives and completing those 3 units in any of the areas of course work listed above. Students should be sure to check admission requirements carefully for the college of their choice.

The **National Collegiate Athletic Association (NCAAA)** instituted specific requirements concerning eligibility for participation in intercollegiate athletics and acceptance of athletic scholarships. These guidelines apply only to NCAA Division I and II schools. A qualifier must have obtained a minimum grade point average and SAT or ACT score as listed in a published index. Students must complete a minimum of 16 Core courses to be eligible.

4 years in English

3 years in mathematics (Algebra 1 or higher)

2 years in natural or physical science (including at least one laboratory)

1 year of additional English, math, or science

2 years in social science

4 years of additional courses from any area above and/or foreign language

(Note: Students should consult with school officials concerning which DHS courses fulfill these requirements. The athletic handbook details other NCAA eligibility required procedures.)

AGRICULTURE DEPARTMENT

COURSE OFFERINGS

Course Title: **Introduction to Agriculture, Foods and Natural Resources**

Prerequisite: Fresh/Soph/Junior (Seniors only if space allows)

Length: One year

Students participating in the Introduction to Agriculture, Food and Natural Resources course will experience hands-on activities, projects and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams and take responsibility for their work, actions and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a particular learning experience.

Course Title: **Plant/Soil Science**

Prerequisite: Soph/Jr/Sr standing; Intro to Agriculture recommended

Length: One year, offered opposite year of Animal Science

This course is designed to reinforce and extend student understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of soils; initiating plant growth-germination, plant sensory mechanisms, enzyme action, absorption and managing plant growth-photosynthesis, respiration, translocation, metabolism and growth regulation. The course will provide 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. 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, but not required. **DHS Science credit is awarded for this class.**

Course Title: **Animal Science**

Prerequisite: Soph/Jr/Sr standing; Intro to Agriculture recommended

Length: One year, offered opposite year of Plant/Soil Science
(Not offered during the 2020-2021 school year)

Student experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologist, livestock producers and industry personnel face in their respective careers. Students will investigate, experiment and learn about documenting a project, solving problems and communicating their solutions to their peers and members of the professional community. 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, but not required. **DHS Science credit is awarded for this class.**

Course Title: Agricultural Power and Technology

Prerequisite: Jr/Sr standing, Intro to Agriculture recommended

Length: One year, offered opposite year of Horticulture

This is a foundation level course designed to prepare students for the wide array of career opportunities in agricultural engineering. Students are immersed in inquiry-based exercises that tie in the math and science of agricultural mechanics and engineering. Throughout the course, students apply technical skill while becoming competent in the process used to operate, repair, engineer and design agricultural tools and equipment. Teachers are provided detailed professional development to facilitate instruction. CASE provides extensive preparation for the teacher to be proficient and confident in their ability to provide proper instruction of mechanical skills and concepts. Every lesson is aligned to national standards for agriculture, science, mathematics and English language arts. 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, but not required.

Course Title: Horticulture Science/Greenhouse Management

Prerequisite: Jr/Sr standing, Intro to Agriculture recommended

Length: One year, offered opposite year of Agricultural Power
(not offered during the 2020-2021 school year)

This course is designed for students to learn and understand the production of horticultural crops including basic plant science and physiology. Areas of study will include plant growth and development, plant identification, propagation of plants, diseases of plants, floral design, and introduction to landscape management. The development of science and leadership skills is reinforced by student involvement in Supervised Agricultural Experience Programs and FFA activities.

Course Title: Agri-business Management

Prerequisite: Jr/Sr standing; One year of Ag and teacher recommendation

Length: One year

The Agribusiness Management course is designed to expand upon the student's knowledge of the world of opportunities in the number one industry in the world. Students will explore the variety found in the agribusiness industry. Course topics will include: agribusiness and economics, business structures and management, sales and marketing. The development of agribusiness management skills is reinforced by student involvement in FFA activities. Keeping a Supervised Agriculture Experience Program is a requirement of this class.

Course Title: Biological Science Applications in Agriculture (BSAA)

Prerequisite: Soph/Jr/Sr standing or teacher recommendation

Length: One year (*not offered during the 2020-2021 school year*)

BSAA is a course that reinforces and extends students understanding of science and the scientific process by associating scientific principles and concepts with relevant applications in agriculture. Students will examine the specific agricultural applications and processes and the underlying science principles explaining or controlling those applications. This course will use numerous laboratory exercises and experiments as the major tool of instruction. Topics of instruction will include the major phases of plant growth and management in agriculture, the specific biological science concepts that govern management decisions, genetics, biotechnology, growth, development, reproduction, aquaculture, and processing of animal products. The development of science and leadership skills is reinforced by student involvement in a Supervised Agriculture Experience Program and FFA activities. DHS Science credit is awarded for this class.

Course Title: Supervised Agriculture Experience Program

Prerequisite: Introduction to the Agriculture AND not currently enrolled in an agriculture course; FFA membership

Length: One year; .25 credit awarded per school year

This course will operate as an independent study class; it is offered to those students who want to continue their FFA and agricultural involvement, but are unable to currently enroll in an agriculture course. Students must have a minimum of one approved project and have acceptable plans for conducting it. Supervised study, project record bookwork, training agreements and instructor visits are essential for a successful SAEP.

BUSINESS DEPARTMENT

COURSE OFFERINGS:

Course Title: Business and Technology Concepts

Prerequisite: None

Length: Full Year

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course.

Course Title: Accounting I

Prerequisite: None

Length: Full Year (*not offered during the 2020-2021 school year*)

Accounting I is a course assists students pursuing a career 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 should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field.

ENGLISH DEPARTMENT

English I	English II	English III	English IV
-----------	------------	-------------	------------

COURSE OFFERINGS:

Note: All English courses include varying degrees of emphasis on literature, grammar, spelling, and vocabulary acquisition. *All English courses are considered writing intensive.*

Course Title: **English I** (Introduction to Literature)

Prerequisite: Freshman standing

Length: One year

Introduction to Literature will focus on literature as a basis for teaching writing, grammar, vocabulary, and spelling. Short stories, poems, and novels of classic authors, as well as the techniques that go into writing these works, will be studied.

Course Title: **English II** (Applications of Literature and Writing)

Prerequisite: Sophomore standing

Length: One year

World Literature is the chronological study of significant European and non-western fiction, drama, and poetry in translation. A global approach will show how this literature fits into our world as a whole. Through regular writing assignments, grammar, spelling, and vocabulary are emphasized.

Course Title: **English III** (American Literature)

Prerequisite: Junior standing

Length: One year

American Literature is a chronological study of significant American literature. Students will read a selection of American fiction, drama, and poetry. Regular writing assignments, including a term research paper, continue to emphasize clarity, precision, and revisions.

Course Title: **English IV** (Senior Literature)

Prerequisite: Senior standing

Length: One year

This course will further develop the reading, writing, and communication skills of students using a variety of fiction and non-fiction texts. Students in this course will respond to literature in a variety of formats. Additionally, they will be required to exhibit proficiency in a variety of writing formats.

Course Title: **Speech Communications**

Prerequisite: Senior Standing

Length: One semester

This course is an introduction to the communication process. Verbal, nonverbal, and written forms of communication will be explored; however, the emphasis will be on actual communication experiences. Information gathering, presenting a point of view, and improving the quality of communication are some of the applied techniques that the student will experience. The final exam will be the culmination of the students' Capstone Project, a portfolio and exit interview.

Course Title: Film Studies

Prerequisite: Juniors and seniors; juniors must be concurrently enrolled in a literature class

Length: One semester

Foreign films. *Citizen Kane*. Charlie Chaplin. This class will provide students with the skills needed to analyze film as a visual art and as a literary medium. Students will view films that balance excellence in cinematography, theme, plot, and acting. Students will understand the relationship of a film to the cultural conditions in which it was released. In addition, students will be required to write analyses of these films. Popular movies will NOT be the focus of this class.

Course Title: Creative Writing

Prerequisite: Freshmen, sophomores and juniors must be concurrently enrolled in a Literature class

Length: One semester

This class will provide students who intend to continue their education after high school with practice in more advanced forms of writing. Students will be allowed to reflect upon their own experiences and explore writing in a variety of styles. Attention will also be paid to handling essay exam techniques and taking effective notes.

Course Title: Contemporary Literature

Prerequisite: Senior Standing; teacher recommendation

Length: One semester (*not offered in 2020-2021 school year*)

In this course, we cover five novels and various strategies to approach argumentation in writing. It is a college-preparation course designed for students who are planning to attend a four-year college immediately following high school.

Course Title: British Literature

Prerequisite: Senior Standing; teacher recommendation

Length: One semester (*not offered in the 2020-2021 school year*)

This survey course of British Literature covers works from antiquity through the modern age. The reading is difficult and accelerated. Students in this course respond to literature in a variety of formats. Additionally, students complete a term research project. Course

Title Literacy Basics

Prerequisite: Freshman standing; Teacher recommendation after RtI assessment

Length: One Year (*not offered during the 2020-2021 school year*)

Literacy Basics is designed for students whose literacy skills are significantly below grade level and who need to work diligently to improve their skills in order to improve their success in other high school courses. Independent guided reading of fiction and nonfiction materials will be a significant component of this course.

Course Title: Writing for Publication (Journalism)

Prerequisite: Freshmen, sophomores and juniors must be concurrently enrolled in a Literature class

Length: One semester (*not offered during the 2020-2021 school year*)

This course will teach students the techniques of journalistic writing, layout, and design. Students will write a variety of articles and work to complete student publications. (This class may be repeated for credit

Course Title: Thinking and Writing through Literature

Prerequisite: Freshman, sophomores, and juniors must be concurrently enrolled in a Literature class

Length: One Semester (*not offered during the 2020-2021 school year*)

Sometimes students wonder, "When will I ever use this material in my real life?" This class will expose students to authentic reading and writing situations from "real world" sources. The class will use technical reading and writing materials, such as the Work Keys assessment programs, to build students' skill in preparation for career and life skills. This class will be beneficial to all students, regardless of their desire for further formal education beyond high school.

Course Title: Short Stories

Prerequisite: Sophomores, and juniors must be concurrently enrolled in a Literature class

Length: One semester (*not offered during the 2020-2021 school year*)

Short Stories is a combination reading and creative writing course for 10th thru 12th grade students. Students will read a variety of short stories from different areas and cultures. Students will also write short stories modeled after literary works. The grade for this course will be assessed through a variety of means, including written work, tests, and projects.

Course Title: Mass Media

Prerequisite: Freshman, sophomores, and juniors must be concurrently enrolled in a Literature course

Length: One Semester (*not offered during the 2020-2021 school year*)

This writing course for 9th through 12th grade students will examine how the mass media (newspapers, magazines, television, movies, videogames, the internet, etc.) effects perceptions of the self and society. Students will be required to read theories of mass media communication and write their analyses of different media based on these theories.

Course Title: Humanities

Prerequisite: Freshman, sophomores, and juniors must be concurrently enrolled in a Literature course

Length: One semester (*not offered during the 2020-2021 school year*)

In this course, students in the 9th through 12th grades will read a survey of poetry from various time periods and connect that poetry to the art and music of the same eras. Students will engage in discussion, complete projects and presentations, and write brief essays.

FAMILY AND CONSUMER SCIENCE

COURSE OFFERINGS:

Course Title: Family and Consumer Science

Prerequisite: None

Length: One year, offered opposite year of Child Development

The purpose of this course is to give a general introduction to the field of home economics including areas of food and nutrition, clothing, entrepreneurship and interior design.

Course Title: Child Development

Prerequisite: Soph/Jr/Sr standing

Length: One year, offered opposite year of Family and Consumer Science
(not offered during the 2020-2021 school year)

This course is designed for the student interested both in developing child-care job-related competencies and in gaining practical experience as a parent. Classroom study is concerned with information about child-care occupations and the developing child including such areas as physical and motor development, cognitive and language development, social and emotional development, and nutrition and the healthy child. Primary learning experiences will include actual work in preschool and kindergarten classrooms.

Course Title: Foods and Nutrition

Prerequisite: None

Length: One year

Fee: \$10/year

This course will include basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition. Food science will be emphasized. Students will learn about careers in foods, nutrition and with emphasis upon hospitality management.

Course Title: Singles Survival

Prerequisite: Junior/Senior standing

Length: One semester (*not offered during the 2020-2021 school year*)

This course is designed to give students knowledge and skills that will be helpful when living on their own. Obtaining a job, job success, and human relations will be studied. Students will gain knowledge of consumer food management and lab experience in microwave cooking, cooking with convenience foods, and meal planning. Clothing decisions, clothing care, housing decisions and home maintenance skills will be reviewed. Consumer skills and conserving limited resources will be encouraged.

Course Title: Consumer Education

Prerequisite: Sr. standing

Length: One semester

This class teaches students "life" skills. Areas covered include: obtaining and maintaining a checking account, credit, investing, insurance, transportation, payroll and income taxes, and housing

FINE ARTS DEPARTMENT

COURSE OFFERINGS:

Course Title: Art I

Prerequisite: None

Length: One year

Fee: \$10 and specific art supplies to be purchased for the class

This class introduces students to the visual arts through exploring and discussing conceptual art in a cross curricular approach. Each lesson is tied with art history and a different subject area to demonstrate how art relates across culture in every subject area. Specific skills and techniques are taught while discussing the elements and principles of design. Sketchbook assignments for extra creative practice are assigned biweekly.

Course Title: Art II

Prerequisite: "C" or better in Art I or teacher recommendation

Length: One year

Fee: \$10 and specific art supplies to be purchased for the art class

This class explores a variety of mediums, both two and three dimensional. Art history is emphasized as students learn about how artists use each medium with the elements and principles of design in their own work. The class is designed to focus on conceptual thinking and expressing through their own artistic voice. Students will learn about various cultures in a cross curricular approach while understanding art as a language. Students will build on previously learned skills to make more sophisticated pieces of art while also learning new skills. Sketchbook assignments for extra creative practice are assigned biweekly.

Course Title: Art III

Prerequisite: "C" or better in Art II or teacher recommendation

Length: One year

Fee: \$10 and specific art supplies to be purchased for the art class

This class helps students become more independent as they explore more of their own ideas and express them as visual commentaries on issues in society. Topics are given with choice of direction on projects. Students also explore their identities through their artwork making projects that gear toward self-expression. New, more complex ideas and skills are introduced while building on previously learned ideas. Art history is discussed and explored as students discover how art across time is used to communicate. Both two and three dimensional art is created. Sketchbook assignments for extra creative practice are assigned biweekly.

Course Title: Art IV

Prerequisites: "B" or better in Art III or teacher recommendation

Length: One year

Fee: \$10 and specific art supplies to be purchased for the art class

This class is an independent study where students are beginning to build a portfolio. Students will choose topics and cultures to study and make art that reflects a bigger idea. The body of work will be cohesive and be used as a means of self-expression while demonstrating understanding of the elements and principles of design. Techniques will become more professionally developed as they learn more difficult skills. Artist statements will be written for art pieces and research for projects will be complete with preliminary sketches. Sketchbook assignments for extra creative practice are assigned biweekly.

Course Title: Instrumental Music (Band)

Prerequisite: Teacher recommendation

Length: One year (may be repeated for credit)

Fee: A rental fee will be charged for students requesting school instrument use. In addition, a transportation fee and uniform cleaning fee will be assessed each semester.

Band will undertake to develop and refine basic music fundamentals, ensemble musicianship, marching fundamentals, music theory, technique, intonation, and band spirit. Band members will participate in marching band for football games and parades, pep band, and a number of concerts as well as performances at community functions during the school year. Band students also have the opportunity to participate in Jazz Band, solo and ensemble contest, the conference festival, ILMEA District Festival, and IHSA Organizational Contest.

Course Title: Vocal Music (High School Choir)

Prerequisite: Teacher recommendation

Length: One year (may be repeated for credit)

Fee: A transportation fee will be assessed each semester.

Students will have the opportunity to participate in a mixed group of voices. Choir will develop basic music fundamentals, enhance musicianship and improve vocal technique. Choir members will present several concerts throughout the year, occasionally sing the National Anthem at sporting events and have the opportunity to participate in solo and ensemble contests, the conference music festival, ILMEA District Festival, and IHSA Organizational Contest.

Course Title: Musical Productions (Theater)

Prerequisite: None

Length: One semester (*not offered during the 2020-2021 school year*)

This is a course designed to learn about the process of producing musical theatre productions and the stage. Theatre history will be studied as well as the technical aspects such as monologues, improvisations, makeup, vocal production, technical design, acting and movement. Part of this course will be working on the fall musical production.

Course Title: Musical Productions II (Theater)

Prerequisite: Successful completion of Theatre I and teacher recommendation

Length: One semester (may be repeated for credit with teacher approval)
(*not offered during the 2020-2021 school year*)

This course is designed for the student intending to advance their theater skills after completing Musical Productions I. The course will have advanced studies in improvisation, dramatic and musical presentation. Students will also be responsible for creating and building the set for the spring musical production as well as other design needs.

FOREIGN LANGUAGE DEPARTMENT

COURSE OFFERINGS:

Course Title: **Spanish I**

Prerequisite: "C" or better in previous English class recommended

Length: One year

Spanish I is a general study of both the Spanish language and the Spanish culture. Topics include vocabulary common expressions in the present tense, sentence construction, and pronunciation. Primary emphasis is placed on an understanding of the language as it is spoken and written. Students must have a "D" or better in the first semester to be eligible to continue second semester.

Course Title: **Spanish II HONORS**

Prerequisite: "B" or better in Spanish I or teacher recommendation

Length: One year

This course is a detailed study of Spanish culture and grammar, with a special emphasis on vocabulary, tenses, and the imperfect vs. the preterit tenses. In Spanish II, the present tense will be reviewed and the 5 additional tenses will be taught: present progressive, preterit, imperfect, present perfect, imperatives. An increased emphasis is placed on the actual speaking and understanding the spoken language. Vocabulary taught in Spanish II will be Spanish to Spanish. All Spanish II students will take the National Spanish Exam help in April.

Course Title: **Spanish III HONORS**

Prerequisite: "B" or better in Spanish II Honors or teacher recommendation

Length: One year

Spanish III emphasizes speaking, reading, and writing Spanish. The main goal is to provide opportunities for the student to use the language - more often and more comfortably - in daily conversation and intermediate reading and writing. All tenses taught in Spanish I and II will be used and the Subjunctive mood will be taught. The National Spanish Exam for Level 3 or 4 will be administered in April for all Spanish III students.

Course Title: **Spanish IV HONORS**

Prerequisite: "B" or better in Spanish III or teacher recommendation

Length: One year

This course emphasizes the skills presented and practiced in the first three years with the addition of the Imperfect Subjunctive tense. Speaking reading, writing, and vocabulary acquisition receive equal attention in classroom activities. Some advanced grammar is presented to help prepare those students planning to take Spanish placement tests in college. The National Spanish Exam for Level 4 or 5 will be administered in April for all Spanish IV students.

INDUSTRIAL ARTS DEPARTMENT

COURSE OFFERINGS:

Course Title: **Drafting I, II**

Prerequisite: None

Length: One year

This course introduces the basic fundamentals of drafting. Topics include tools, terminology, layout procedures, job qualifications, employment opportunities, salaries, and an introduction to the uses of CAD. Second semester covers areas such as orthographic projections, isometric drawings, oblique drawings, sectional views, and use of other drawing aids such as templates and CAD.

Course Title: **Drafting III, IV**

Prerequisite: "C" or better in Drafting II and teacher recommendation

Length: One year

Basic concepts of mechanical drafting (including geometric construction, one, two, and three view drawings, and blueprint reading), along with more emphasis into CAD technology. Second semester consists of architectural drawing including building construction and planning, and completion of a set of house plans.

Course Title: **CAD I**

Prerequisite: "C" or higher in Drafting IV and teacher recommendation

Length: One year

This class takes an advanced look at the various types of drawings that are used in industry today. The CAD curriculum will provide the student with experience in up-to-date applications used in industry. Complete working drawings will also be assigned. One project will be to draw a complete set of house plans incorporating passive solar into the plan. This class is offered to limited enrollment on an individualized basis.

Course Title: **CAD II**

Prerequisite: "C" or higher in Drafting/CAD I and teacher recommendation

Length: One year

Students are assigned advanced projects that involve gears, threads, exploded views, etc., along with advanced applications in CAD involving 2D and 3D construction as well as 3D printing. Students wishing to concentrate on architecture will design an energy efficient house that incorporates solar design, or they may concentrate on mechanical CAD with emphasis in 3D printing, its applications and techniques.

Course Title: **Carpentry I, II**

Prerequisite: Fresh/Soph/Jr/Sr standing

Length: One year

The course introduces the basic fundamentals of woodworking, which include tools, terminology, job qualifications, opportunities and salaries. They are given safe instruction on the proper use of hand and power tools. Numerous projects with various complexities are assigned throughout the class, in which the students become familiar with furniture and cabinet construction, wood preparation, identification, finishing, jigs and fixtures, as well as assembly techniques.

Course Title: Carpentry III, IV

Prerequisite: "C" or better in Carpentry II and teacher recommendation

Length: One year

Carpentry students are given a review on safe and proper use of hand tools, power tools and CNC tooling. Projects are assigned so that the student becomes familiar with the technical aspects of wood, its function, methods, materials and appearance. Woodworking projects such as furniture and cabinet making, laser engraving, and robotic woodworking will be implemented. Students will also develop an appreciation towards woodworking as well as learn the aspects of setting up their own business

Course Title: Carpentry V, VI

Prerequisite: "C" or better in Carpentry IV and teacher recommendation

Length: One year

Students are assigned advanced projects that concentrate on door, drawer, and cabinet construction along with emphasis on rail and style set-up procedures for raised panels. The student will be responsible for equipment set-up, repair, and organization within the constraints of the classroom projects. They will also be expected to diagnose and solve problem situations with tools and equipment that involve higher, more skilled operations and principles.

Course Title: Electricity I

Prerequisite: Soph/Jr/Sr standing

Length: One semester (not offered during the 2020-2021 school year)

Through a combination of written work and lab experiences, this course provides a general overview of electricity and electronics. Students will study basic residential wiring, automotive wiring, and electronic circuits.

Course Title: Electricity II

Prerequisite: Successful completion of Electricity I

Length: One semester (not offered during the 2020-2021 school year)

This course is a continuation of Electricity I with additional material covering the principles and applications of solar energy.

Course Title: Transportation and Energy I

Prerequisite: None

Length: One semester (not offered during the 2020-2021 school year)

Students enrolled in this course will study topics related to transportation and various forms of energy through a mix of lectures, discussions, assignments, and lab activities. Students will gain a basic understanding of the different modes of transportation and the types of power sources that make them work. This course also covers energy and some of the ways to convert it into different useful forms.

Course Title: Transportation and Energy II

Prerequisite: Successful completion of Transportation and Energy I

Length: One semester (not offered during the 2020-2021 school year)

This course will cover a broad range of subjects, mostly related to automobiles and their systems. Students will learn about the diagnosis and solving of problems as well as basic auto repairs and maintenance.

****Any students failing the first semester of a Drafting and/or Carpentry class may not be allowed to enroll in the second semester. A materials fee will be charged for all drafting and carpentry classes.**

MATHEMATICS DEPARTMENT

MATHEMATICS SEQUENCE:

Start of sequence is determined by teacher recommendation:

Math I	Math II	Math III	Math IV
Math IA	Math IIA	Math IIIA	College Alg/Trig
Math IIA	Math IIIA	College Alg/Trig	AP Calculus/Stats
Algebra Part I	Algebra Part II	Intermediate Geom	Intermediate Algebra

COURSE OFFERING:

Course Title: **Algebra Part I**

Prerequisite: 8th Grade Pre-Algebra & Teacher recommendation

Length: One year

This course is designed to take the concepts of Math I at a slower pace than in a regular Math I class. Basic concepts of the Real Numbers system will be reviewed and reinforced. Students will explore math concepts using data patterns and integers to help learn the building blocks of algebra. Emphasis will be placed on using manipulative and technology to teach algebraic concepts. Students will learn several problem-solving techniques to apply to different types of application. The concepts of linear equations, inequalities, and functions will be explored.

Course Title: **Algebra Part II**

Prerequisite: Algebra Part I & Teacher recommendation

Length: One year

This course is the second part of a two-year sequence of Math I. The concepts of this course will be discussed at a slower pace than in a regular Math I course. Students will start the year with a review of basic algebra concepts, linear equations, inequalities and functions. An emphasis will be placed on using manipulative and technology to teach algebraic concepts. Problem-solving techniques will be reinforced. The concepts of systems of equations, statistics, and basic geometry will be discussed.

Course Title: **Math I and Math IA**

Prerequisite: Teacher recommendation

Length: One year

A certain degree of proficiency in basic algebra skills is presumed. Theory, structure, and application of algebra skills and techniques will be emphasized. Some objectives include understanding the structure of the real number system; applying algebraic concepts and skills – including linear equations in one and two variables, inequalities, systems of equations and inequalities, functions in a coordinate plane, introduction to geometry, perceiving the role of deductive reasoning in algebra, and appreciating the need for precision of language. Math IA will consider the topics in greater depth with more formality.

Course Title: Intermediate Geometry

Prerequisite: Soph/Jr/Sr status; one year of Math I or Algebra Part II

Length: One Year

This course is designed to take the concepts of Math II at a slower pace than in a regular Math II class. Relationships between sets of points in space, properties of congruent and similar figures, parallel and perpendicular lines, ration, area and volume, statistics, and polynomials are some of the topics presented.

Course Title: Math II and Math IIA

Prerequisite: None

Length: One year

This course includes plane and solid geometry. Relationships between sets of points in space, properties of congruent and similar figures, parallel and perpendicular lines, ratio, area and volume of plane and solid figures, construction and coordinate geometry, and statistics are some of the topics presented. Algebraic concepts will be used in the study of geometric problems. Math IIA will have a strong emphasis on proof and logic.

Course Title: Intermediate Algebra

Prerequisite: Jr/Sr status, completion of Alg Part I and II, Int Geom., teacher rec.

Length: One year

This course is intended for those students who want a third year of mathematics, but had trouble with the concepts in Math I and/or Math II. The topics include equations and inequalities (in 1, 2, and 3 variables and systems), linear function and relations, polynomials, rational algebraic expressions, radicals, irrational and complex numbers, and an introduction to trigonometry. Students will use algebra in a variety of applied problem situations.

Course Title: Math III

Prerequisite: None

Length: One year

This course is intended for the student bound for college, tech school, or apprenticeship. Topics include properties of Real Numbers, equations and inequalities (in 1, 2 and 3 variables and systems), linear functions and relationships, polynomials, rational algebraic expressions, radicals, irrational numbers, complex numbers, trigonometry concepts, and series and sequences. Students will use algebra in a variety of applied problem situations.

Course Title: Math IIIA

Prerequisite: None

Length: One year

This course is intended for college-bound students who anticipate a college major in a highly quantitative field (e.g. science, architecture, engineering, math, computer, etc.). In addition to the topics listed in Math III, this course will include matrices, determinants, probability, and statistics. Material will be covered at a faster pace and more in depth than in Math III.

Course Title: **Math IV (Transitional Math-STEM)**

Prerequisite: Juniors/Seniors that have completed Math III/IIIA

Length: One year

This course is intended for the student bound for college. Topics include linear functions, polynomials, rational functions, radical functions, exponential functions, and a capstone project. Grading for this class will cover the entire school year, NOT by semesters.

Seniors who have a grade of a "C" or higher at the end of the course may enroll in College Algebra at HCC or any other two-year Illinois institute without having to take a placement test.

Course Title: **College Algebra (Dual Credit 4 hours Math 166)**

Prerequisite: Accuplacer or standardized test placement score met, teacher rec and completion of Math III/IIIA

Length: One semester, fall

This course reviews the fundamental operations of algebra followed by a study of equations and applications involving quadratics, complex numbers, relations, functions and transformations, matrices, determinants, exponential and logarithmic functions, and series and sequences. Applications involving linear programming will also be explored.

Dual credit available through Highland Community College at student's expense.

Course Title: **Trigonometry (Dual Credit 3 hours Math 167)**

Prerequisite: Accuplacer or standardized test placement score met, teacher rec and completion of Math III/IIIA

Length: One semester, spring

This course includes the study of trigonometric functions, right triangle applications, functions of multiple angles, trigonometric equations and identities, radian measure, inverse functions, the oblique triangle, graphs, and complex trigonometric functions.

Dual credit available through Highland Community College at student's expense.

Course Title: **Statistics (Dual Credit 4 hours Math 177)**

Prerequisite: Accuplacer or standardized test placement score met, teacher rec And completion of Math III/IIIA

Length: One Year

Requirement: TI-84 calculator or equivalent

This course provides the background necessary for the student to understand the wide range of statistical concepts encountered and of use in daily life. Topics covered include: data collection processes, organizing and displaying data, descriptive statistics, probability theory and distributions, confidence intervals, hypothesis testing, linear regression, correlation and more. *Dual credit available through Highland Community College at student's expense.*

Course Title: AP Calculus (Dual Credit 5 hours Math 168)

Prerequisite: Successful completion of College Algebra and Trigonometry

Length: One year

The basic concepts of standard calculus (limits and continuity, derivative, integration) will be explored using graphically numerical and algebraic approaches. Students will have the opportunity to apply calculus in a variety of practical situations. Students will be required to do a summer review packet. *Students may opt to take the AP exam in the spring for a chance to earn college credit. Testing fees (approximately \$93) will be the responsibility of the student. Dual credit is also available through Highland Community College at the student's expense.*

PHYSICAL EDUCATION DEPARTMENT

Course Title: High School Physical Education

Prerequisite: None

Length: One year

This course will emphasize lifetime activities, health-related fitness, and wellness. Muscular and cardiovascular endurance will be developed through a variety of activities: aerobic conditioning, weight lifting, circuit training, physical fitness, team sports, individual sports, and game activities. Students will gain knowledge of fitness and team concepts, and realize the effects on themselves socially, emotionally, mentally, and physically. The course is aligned with Illinois state goals in Physical Education.

Course Title: High School Advanced Physical Education

Prerequisite: Participation in Dakota High School athletics or instructor approval

Length: One year

The purpose of this course is athletic preparation. Advanced Physical Education will improve the student's physical fitness through a rigorous program of strength training and fitness activities. The class activities will include: free weights, circuit training, dynamic flexibility, speed training, plyometrics, aerobic and anaerobic conditioning, and agility. The course will enhance the student's athletic movements, and meets the Illinois state goals in physical education.

Course Title: Health

Prerequisite: None

Length: One semester

Topics covered in this class include accident prevention and safety education, control and prevention of communicable diseases, mental health, and drug uses and abuses.

Course Title: Driver Education

Prerequisite: Must be of at least freshman standing. State law dictates that students must pass a minimum of eight classes the previous two semesters combined in order to be eligible for enrollment.

Length: 6 weeks; offered one term first semester, one term second semester

Fee: \$200

This is a course designed to teach students the rules of the road while incorporating the essential driving techniques. Students must demonstrate a positive attitude toward safe and responsible driving. Class meets before school from 7-8:00 a.m. for 30 school days. Behind the wheel training will take place during school hours in the weeks prior to the student's 16th birthday.

SCIENCE DEPARTMENT

COURSE OFFERINGS:

(All science courses are laboratory courses that require impact and splash resistant goggles)

Course Title: **General Science**

Prerequisite: None

Length: One year

General Science is a survey course introducing students to the areas of earth science, ecology, meteorology, physics and chemistry.

Course Title: **Biology**

Prerequisite: Soph/Jr/Sr standing or teacher recommendation

Length: One year

Fee: \$10.00 lab fee

This course is designed to provide a basic understanding of living systems. Topics include scientific method, cell theory, genetics, heredity, evolution, classification, and dissection of 3 different organisms and the biology of our living world.

Course Title: **Applications in Biology/Chemistry**

Prerequisite: Sophomore/Junior/Senior standing

Length: One year

(not offered in the 2020-2021 school year)

This is a science course designed to teach chemistry in a biological context using scenarios from daily life that could affect individuals and society. This course is designed for the student who wants more science but isn't ready to attempt a traditional chemistry class.

Course Title: **Anatomy and Physiology**

Prerequisite: "C" or better in Biology and consent of teacher; Chemistry strongly recommended

Length: One year

Fee: \$10.00 lab fee

This course will help the student gain a better understanding of himself and his environment. Topics to be covered in depth include microbiology, biochemistry, human anatomy and physiology, genetics, and human diseases. Other topics to be discussed are animal development, biosystematics, probability, and cell biology.

Course Title: **Zoology**

Prerequisite: "C" or better in Biology and consent of teacher; Chemistry strongly preferred

Length: One year

(not offered during the 2020-2021 school year)

Fee: \$10.00 lab fee

The purpose of this course is to examine further the area of animal life sciences. Students will study anatomy and physiology of various animal phylum, theories of evolution, animal behavior, and dissection methods applied to 8 different organisms.

Course Title: **Chemistry**

Prerequisite: "C" or better in an Algebra class, Soph/Jr/Sr standing

Length: One year

Fee: \$10.00 lab fee

This course provides a study of the structure and composition of compounds and the changes in composition of those compounds. The student is introduced to laboratory equipment and through its use is made aware of scientific techniques.

Course Title: **Physics**

Prerequisite: Algebra II or Algebra IIA (may be taken concurrently); Soph/Jr/Sr standing

Length: One year, offered opposite year of Principles of Technology

Fee: \$10.00 lab fee

Physics is the study of matter and its interactions in nature through energy, force, and momentum. It emphasizes the science of problem solving.

Course Title: **Principles of Technology**

Prerequisite: Soph/Jr/Sr standing, completion of an Algebra course and a science course

Length: One year, (*not offered during the 2020-2021 school year*)

This is a course in applied science designed to prepare vocational and college-bound students more effectively for technical careers. This course will cover mechanical, fluid, electrical and thermal principles on which modern equipment operates. It is a hands on approach to learning physics using basic algebra.

Course Title: **Advance Placement (AP) Biology**

Prerequisite: Completion of Biology and Chemistry

Length: One year

Fees: Textbook purchase is recommended but not required
\$94 AP exam fee paid by district

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes—energy and communication, genetics, information transfer, ecology, and interactions. At the end of this course, students will take the AP exam to earn college credit.

SOCIAL STUDIES DEPARTMENT

COURSE OFFERINGS

Course Title: **Civics**
Prerequisite: Fr/Soph standing
Length: One semester

This course is a study of federal, state, and local government and institutions, as well as their relationship to each other and to the citizen. Also studied will be a citizen's legal rights and responsibilities as they apply to other citizens, institutions, and business. We will spend a considerable amount of time studying the law, the courts, and how they apply to young people.

Course Title: **Modern American History**
Prerequisite: Fr/Soph standing; Jr/Sr also may enroll if space allows
Length: One semester

This course examines major events in American social, political and economic history from the last half of the 20th century including the Potsdam Conference, Nuremberg Trials, Japanese War crimes, the Korean War, the History of the 1950's, the Cold War, the Kennedy era, McCarthyism, the Civil Rights Movement, the Great Society, Vietnam, and the 60's. Eisenhower, Kennedy, Johnson, Nixon, Ford, Carter, Reagan, and Bush-era politics will be covered as well as the U.S. recent involvement in the Middle East.

Course Title: **World History**
Prerequisite: Soph/Jr/Sr standing
Length: One year

This course examines the period of history from ancient Egypt up to the present time. Periods discussed include early civilizations, the Middle Ages, Renaissance, and Reformation, French Revolution, Russian Revolution, World Wars, the Chinese, the Hindus of India, the Cold War, and the reforms in the formerly Communist nations of Eastern Europe.

Course Title: **U.S. History I (1750 - 1865)**
Prerequisite: Jr/Sr standing
Length: One semester

This is a survey course in U.S. History from the American Revolution through the Civil War. Other topics include the U.S. Constitution, early presidents, and expansionism.

Course Title: **U.S. History II (1865 - 1945)**
Prerequisite: Jr/Sr standing
Length: One semester

This course surveys U.S. History from post Civil War America through World War II. Other topics include U.S. Native American policy, industrialism, the Depression, and World War I.

Course Title: **AP U.S. History**
Prerequisite: So/Jr/Sr standing
Length: One Year
Fees: **Required textbook purchase; \$94 AP Exam paid by school**

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven

themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. At the conclusion of the course, students may elect to take the AP Exam to earn college credit.

Course Title: **Psychology**
Prerequisite: Jr/Sr standing
Length: One semester

This course is designed as a college prep course, surveying human behavior. Completion of this course will acquaint the student with topics including the brain and nervous system, memory, learning styles, child psychology, personality, and abnormal psychology.

Course Title: **Sociology**
Prerequisite: Jr/Sr standing
Length: One semester

Sociology gives the students an insight into the similarities and differences of cultures in the world with special emphasis on our own culture. Topics include how do societies organize themselves and socialize their young, how societies control the behavior of groups and individuals, and how societies change.

Course Title: **Contemporary Social Issues**
Prerequisite: Jr/Sr standing
Length: One semester

The focus of this class will be on the current events that are presently changing our social, political, and economic lives. The course will cover recent religious and militaristic events that shape our world today, as well as other current events that both positively and negatively affect the people who live on this planet. Working collectively, the teacher and students in this class will use daily news sources, such as those found in newspapers, television shows, radio, magazines, and the internet, to become better acquainted with the people and places which make up our world.

Course Title: **World Geography**
Prerequisite: Junior/Senior standing
Length: One semester, offered second semester opposite CSI

This course covers the major terms, concepts and ideas of Geography. The primary focus will be on the Five Themes of Geography as they apply to the world in which we live.

HIGHLAND COMMUNITY COLLEGE
TRANSFERABLE DUAL CREDIT OFFERINGS

Course Title: Rhetoric and Composition I (3 hours Eng 121)
Prerequisite: Accuplacer criteria met for Reading and Writing
Length: One semester, fall

This course is designed to help students to write effectively. Instruction is offered in the basic elements of rhetoric; much practice is given in composing essays. *Dual credit is available at student's expense.*

Course Title: Rhetoric and Composition II (3 hours Eng 122)
Prerequisite: Successful completion of English 122
Length: One semester, spring

This class, a continuation of English 121, focuses on critical skills in thinking, reading, and writing. Skills are developed in writing to inform, persuade, and evaluate. Emphasis is placed on producing a documented, multi-source research essay. *Dual credit is available at student's expense.*

Course Title: Introduction to Psychology (3 hours Psy 161)
Prerequisite: Accuplacer criteria met for Reading and Writing
Length: One semester, fall

Studies and scientifically interprets human behavior. Considers such topics as child growth and development, personality, emotions, learning, intelligence, and perception. *Dual credit is available at student's expense.*

Course Title: College Algebra (Dual Credit 4 hours Math 166)
Prerequisite: Accuplacer or standardized test placement score met, teacher rec
Length: One semester, fall

This course reviews the fundamental operations of algebra followed by a study of equations and applications involving quadratics, complex numbers, relations, functions and transformations, matrices, determinants, exponential and logarithmic functions, and series and sequences. Applications involving linear programming will also be explored. Dual credit available through Highland Community College at student's expense.

Course Title: Trigonometry (Dual Credit 3 hours Math 167)
Prerequisite: Accuplacer or standardized test placement score met, teacher rec
Length: One semester, spring

This course includes the study of trigonometric functions, right triangle applications, functions of multiple angles, trigonometric equations and identities, radian measure, inverse functions, the oblique triangle, graphs, and complex trigonometric functions.
Dual credit available through Highland Community College at student's expense.

Course Title: Statistics (Dual Credit 4 hours Math 177)

Prerequisite: Accuplacer or standardized test placement score met, teacher rec
And completion of Math III/IIIA

Length: One Year

Requirement: TI-84 calculator or equivalent

This course provides the background necessary for the student to understand the wide range of statistical concepts encountered and of use in daily life. Topics covered include: data collection processes, organizing and displaying data, descriptive statistics, probability theory and distributions, confidence intervals, hypothesis testing, linear regression, correlation and more. Dual credit available through Highland Community College at student's expense.

Course Title: AP Calculus (Dual Credit 5 hours Math 168)

Prerequisite: Successful completion of College Algebra and Trigonometry

Length: One year

The basic concepts of standard calculus (limits and continuity, derivative, integration) will be explored using graphically numerical and algebraic approaches. Students will have the opportunity to apply calculus in a variety of practical situations. Students will be required to do a summer review packet. Students may opt to take the AP exam in the spring for a chance to earn college credit. Testing fees (approximately \$93) will be the responsibility of the student. Dual credit is also available through Highland Community College at the student's expense.

****One additional Dual Credit class will be determined at a later date. This course will run second semester concurrent with English 122.**

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Agriculture						
Agriscience CTE (Semester 1 and 2)		●				
Introduction to Agriculture CTE (Semester 1 and 2)		●				
Veterinary Science CTE		●				

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Business and Economics						
Accounting CTE* (Semester 1 and 2)		●				
Career Planning		●				
College and Career Prep I				●		
College and Career Prep II				●		
Consumer Economics*	●			●		

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Fine Arts						
American Art Honors (Semester 1 and 2)		●				
Art History: Ancient to Classical Art		●				
Art History: Renaissance to 20th Century Art		●				
Digital Photography		●				
Music Appreciation		●				

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Health Education						
Health Education	●					
Orientation to Health Occupations CTE		●				
Parenting CTE		●				

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Language Arts						
American Literature / Eng 3 (Semester 1 and 2)	●			●		
British Literature / Eng 4 (Semester 1 and 2)	●			●		
Creative Writing		●				
English I (Semester 1 and 2)	●			●		
English II (Semester 1 and 2)	●			●		
Grades 6-8 (Semester 1 and 2)			●			
Learning Recovery/Bridge			●			
World Literature / Eng 4 (Semester 1 and 2)	●				●	
Writing Skills and Strategies		●	●			

	HS Core	HS Elective	Middle School	Credit Recovery	Honors Option	AP Option
Mathematics						
Algebra I* (Semester 1 and 2)	●			●		
Algebra II (Semester 1 and 2)	●			●	●	
Calculus (Semester 1 and 2)	●					
Calculus AB (Semester 1 and 2)						●
Fundamentals of Geometry and Algebra (Semester 1 and 2)			●			
Geometry* (Semester 1 and 2)	●			●	●	
Math 1 (Semester 1 and 2)				●		
Learning Recovery/Bridge			●			
Math of Personal Finance (Semester 1 and 2)		●				
Precalculus (Semester 1 and 2)	●					
Probability & Statistics		●				
Statistics (Semester 1 and 2)						●

HS Core
HS Elective
Middle School
Credit Recovery
Honors Option
AP Option

Science

Anatomy and Physiology* (Semester 1 and 2)	●					
Biology* (Semester 1 and 2)	●		●	●	●	●
Chemistry (Semester 1 and 2)	●			●		●
Earth Science (Semester 1 and 2)	●		●			
Environmental Science		●				●
Oceanography		●				
Physical Science (Semester 1 and 2)			●	●		
Physics (Semester 1 and 2)	●					
Physics 1 (Semester 1 and 2)						●

Social Studies

American / US History (Semester 1 and 2)	●		●	●	●	●
Introduction to Sociology		●				
Macroeconomics						●
Microeconomics						●
Psychology		●				●
US Government & Civics*	●		●	●		
US Government and Politics						●
World History (Semester 1 and 2)	●		●	●	●	

Technology

Beginning Programming CTE (Semester 1 and 2)		●				
Computer Concepts & Software Applications CTE		●				
Computer Science Principles*						●
Intermediate Programming CTE (Semester 1 and 2)		●				

Test Prep

SAT Prep*		●				
ACT Prep*		●				

HS Core
HS Elective
Middle School
Credit Recovery
Honors Option
AP Option

World Languages

French 1, 2, 3, and 4 (Semester 1 and 2)	●					
German 1, 2, 3, and 4 (Semester 1 and 2)	●					
Latin 1 and 2 (Semester 1 and 2)	●					
Spanish 1*, 2, 3, and 4 (Semester 1 and 2)	●					
Spanish Language (Semester 1 and 2)						●

*New or Updated courses

CTE (Career & Technical Education) courses are in line with ISBE College & Career Readiness matrices.

IVS courses are.....

- designed for rigor to adequately prepare students for college and career.
- standards based to meet all State, NCAA, College Board and other relevant requirements.
- reviewed on an ongoing basis against standards and student performance data
- revised and redeveloped as needed to ensure quality.
- multimodal and built for multiple learning styles.
- compatible with mastery based learning requirements.
- designed to foster active learning through interactives, games, collaboration opportunities and real world application.
- flexible in design to accommodate individual student needs.
- comprehensive enough to provide a complete program of study.
- in tune with digital native students looking for individualized, engaging, empowering learning.



COURSE OFFERINGS 2020- 2021

CAREERTEC programs explore content through real world application and work based learning experiences, including job shadows, guest speakers, internships, and dual credit, enabling pathways to certifications, degrees, and careers. Students must have credits indicating they are of junior or senior status when starting any program except NJROTC, which is for 9-12th graders.

Students are required to meet with the course instructor before acceptance into these specific programs:

- Health Occupations (HOYA)
- Careers in Business (CIB)
- Computer Information Systems (CIS)
- Cosmetology I
- Culinary Occupations I
- School To Work

Students obtain program applications and register through their counselor at their local schools. Program acceptance is based on student interest, attendance record, and grade point average of 2.0 or higher.

Students must be registered by **April 1st** to be a guaranteed student, however applications will be accepted beyond April 1st if seats are available, with instructor approval if applicable.

Highland Community College in conjunction with CAREERTEC offers dual credit opportunities for most programs, as noted in course descriptions.

ATTENDANCE

Students are expected to be in attendance according to each course location's calendar. Locations for each program listed below and in descriptions. Start dates can be found at www.careertec-il.org.

- Classes held at FHS, St. John, PCK and Construction Site follow the **CAREERTEC** calendar.
 - Careers in Auto Technology (CATS)
 - Careers in Business (CIB)
 - Computer Information Systems (CIS)
 - Construction Trades
 - Culinary Occupations
 - Graphic Design
 - Health Occupations (HOYA)
 - NJROTC
 - School to Work
- Classes held at Highland Community College (HCC), taught by HCC staff, follow the **HCC Calendar**.
 - Auto Body Repair
 - Auto Mechanics HCC
 - Cosmetology
 - Criminal Justice
 - Early Childhood Education (ECE)
 - Industrial Technologies

FEES

- FEES for participation in all CAREERTEC programs are listed within each course description & are subject to change.
- All CAREERTEC required FEES are to be paid by student/parent at home schools during local school registration.
- All Highland required FEES are to be paid by the student/parent at the Highland business office before the first day of class, **student must be registered as a HCC student before these fees can be paid.**
- **Applications for FEE WAIVERS are available at the local school.**
 - They must be completed and submitted DURING REGISTRATION AT THE LOCAL SCHOOL.
- Aquin students can take any CAREERTEC class and need to register as a part-time student with their local public school district in accordance to tuition payment agreement.

BOOKS

(All prices are approximate and are subject to change)

- Information regarding books will be mailed to students during the summer
- MOST Highland classes require book purchase by the student
- Some dual credit classes at St. John require book purchase by the student



AUTO BODY REPAIR I (20116A001)

Level: 11th and 12th grade
Class Location: Highland Community College, Freeport
Time: 7:30 – 9:00 a.m., Mon. - Thurs.
Length: One year, double period
H.S. Credit: 2 credits per year
Post Sec Credit: Highland Community College – Dual Credit ** 3 credits
HCC Fees: \$395 (tool kit rental \$125, paint mask/respirator \$35, \$85 course fee, \$120-tech and activity fee, \$30 registration fee per school year), to be paid by student/parent at HCC
Textbook Fees: \$321
Calendar: This course follows the HCC calendar

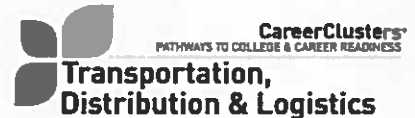
It's easy to get a dent or scrape – learn how to fix them! The Auto Body I Program uses a competency-based method of developing skills for entry into the high demand auto body service trades. First year students will learn safe shop practices, sanding, sand blasting, light body repair, use of plastic fillers, and installation of bolted, welded or glued-on panels, paint preparation, priming and refinishing. This class covers the content in AUTB 191, Introduction to Auto Body, and is a preparation class for continuing in Auto Body Repair II, earning dual credit toward an A.A.S. degree or certificate.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

AUTO BODY REPAIR II (20116A002)

Level: 12th grade
Class Location: Highland Community College, Freeport
Time: 7:30 – 9:00 a.m., Mon. - Thurs.
Length: One year, double period
H.S. Credit: 2 credits per year
Post Sec Credit: Highland Community College – Dual Credit ** 3 credits
Certification is based upon successful completion of required testing and additional courses
Prerequisite: Successful completion of Auto Body I with a C or above and 95% attendance
HCC Fees: \$360 (tool kit rental \$125, \$85 course fee, \$120 tech & activity fee, \$30 registration fee per school year, to be paid by student/parent at HCC
Tool kit, respirator and safety glasses from Year I is acceptable
Textbook Fees: Use book from Year 1
Calendar: This course follows the HCC calendar



Auto Body Repair II second year students continue using skills learned in first year to do more advanced metal straightening, body alignments, welding and fabrication. The content of AUTB 194, Auto Body Repair I, is covered in detail. Paint preparation, sanding, and refinishing are taken to a higher level to enhance skills necessary for entry into the Auto Body Repair Trades profession. Students will earn Highland Community College credits toward an Associate of Applied Science degree.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CAREERS IN AUTO TECHNOLOGY & SERVICE I (CATS) (20104A001)

Level:	11 th and 12 th grade
Class location:	Freeport High School, Freeport
Length:	One year, double period
Time:	7:30 - 9:00 a.m. & 1:00 p.m. - 2:30 p.m., Mon. - Fri.
H.S. Credit:	2 credits per year
Prerequisite:	9 th grade reading comprehension level, 8 th grade math skills level. Successfully passing Intro to Auto or instructor approval (placement test)
CAREERTEC Fees:	\$40 (includes lab fees, work book, and one issuance of eye protection, <u>to be paid by student/parent at High School</u> during registration)
Calendar:	This course follows the CAREERTEC calendar



This course is a must for students with a desire to learn more about Auto Technology at an intermediate level. Working in the auto industry today is a big challenge. By developing entry-level diagnostic abilities (problem based learning) the student will learn how and why a part or system works or doesn't work. Learning things by trial and error is inadequate and very time consuming; classroom assignments and lab activities are taught daily with problem based situations being presented and solved using math, common sense, mechanical aptitude, and written documentation by the students. Units covered are: lighting systems, starting and charging, suspension and steering, tires and brakes systems, application of precision electrical and mechanical measuring devices, engine disassembly and inspection, vehicle inspection and maintenance, fuel system delivery service and advanced fuel, ignition, and control systems for small engines.

Each student will be required to do class work which will consist of a work book and text assignments along with the corresponding shop exercise in the required time frame. Each unit must be passed with a minimum proficiency level of 78%. Personal responsibility, professionalism along with workplace skills are stressed and graded in this course. The program requires students to be able to pass safety tests (w/100%) and procedures studied in the class and shop. Correct use of tools and equipment are studied and developed. Students will have the opportunity to participate in job shadowing and field trips based upon attendance and completed assignments. Participation as a coordinated interactive work team is stressed as students will be required to do managerial, customer relation, and use information technology regularly as it is applied to the automotive service industry. This course provides knowledge and experience to continue into the second year of this program which requires independent study.

CAREERS IN AUTO TECHNOLOGY & SERVICE II (CATS II) (20104A002)

Level:	12 th grade
Class location:	Freeport High School, Freeport
Length:	One year, double period
Time:	7:30 - 9:00 a.m. & 1:00 - 2:30 p.m., Mon. - Fri.
H.S. Credit:	2 credits per year
Prerequisite:	Completion of Careers in Auto Technology I with C or better and 95% attendance
CAREERTEC Fees:	\$40 (includes lab fees, work book, and one issuance of eye protection), <u>to be paid by student/parent at High School</u> during registration
Calendar:	This course follows the CAREERTEC calendar
Other:	Students are required to provide their own standard and metric ¼ drive socket sets and screw drivers, to be kept on site before being allowed to work in lab.



This course is for students in 12th grade that have passed the first level the previous year. They will be required to perform specific repair and maintenance procedures on lab and live vehicles. These procedures will include writing invoices, performing the work, accessing needed repair information, and proving the repair fixed the problem. Assignments and lab activities are taught and applied on a regular basis within this course. In this level they will take the concepts learned the previous year and apply them regularly to develop proficiency for entering post-secondary education or the workforce. Students will have the opportunity to participate in job shadowing and field trips in this program based upon attendance and completed assignments. Work place skills are taught in class and practiced at prospective places of employment and job shadowing sites. Units covered are: Safety (100% passing grade requirement), review of level 1 curriculum, reconstruction of vehicle systems as a working lab model and use of computers for documentation and recording. Systems not covered previously such as welding, axles, clutches are also part of this course. I.C.E., E.V. (internal combustion, electric and alternatively fueled) are included. Each unit must be passed with a minimum proficiency level of 78%.

CAREERS IN BUSINESS



CAREERS IN BUSINESS (CIB) (12053A001) year 1

Level:	11 th and 12 th grade
Class Location:	St. John Church, Freeport
Time:	7:30 - 9:00 a.m., 9:35 - 11:05 a.m., & 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit **12 credits
Prerequisites:	Meeting with instructor, minimum GPA, good attendance, and business/computer orientation class (if offered) , are required for acceptance into this program
CAREERTEC Fees:	\$25, to be paid by student/parent at High School during registration
HCC Fees:	\$30 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Textbook fees:	<\$50
Calendar:	This course follows the CAREERTEC calendar

Careers in Business(CIB) is a two-year program offering 12 dual credits (college credit) during year one and introduces a variety of business concepts and applications. Additionally, job shadowing opportunities, guest speakers and field trips reinforce the areas students have studied within the business career clusters.

Curriculum:

- Personal Finance
- Investing & Saving
- Banking & Credit
- Communication Skills
- Business Presentations & Writing
- Problem Solving
- College Exploration & Career Planning
- Resume and Interviewing Skills
- Microsoft Word, Excel and PowerPoint
- Supply Chain Management
- Stock Market Game
- Job Shadowing
- Guest Speakers
- Business Related Field Trips

Dual Credit Business Courses:

- Business Communications BUSN141
- Math of Business BUSN125
- Supply Chain Management SPTP150
- Microsoft Excel INFT 140
- Microsoft Word INFT131
- Microsoft PowerPoint INFT135

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CAREERS IN BUSINESS II (CIB) (22153A001)

Level:	12 th grade
Class Location:	Internship sites
Time:	8 hours weekly; schedules determined by instructor, student and mentor
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit **1-4 credits
Prerequisites:	Completion of CIB year 1 with C or better and 95% attendance
HCC Fees:	\$15 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar

Students entering CIB I as a junior may continue for a second year (pending successful completion of year one) and participate in an internship where they gain valuable experience outside of the classroom setting. Transportation to and from the internship placement is the responsibility of the intern.

COMPUTER INFORMATION SYSTEMS I (CIS) (10102A001)

Level:	11 th and 12 th grades
Class Location:	St. John Church, Freeport
Time:	7:30 - 9:00 a.m., 9:35 - 11:05 a.m., & 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit	Highland Community College - Dual Credit ** 6 credits
Prerequisite:	Business/Computer orientation class, if offered. Completed application and meeting with instructor required for acceptance into this program
CAREERTEC Fees:	\$25, <u>to be paid by student/parent at High School</u> during registration
HCC Fees:	\$30 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Textbook Fees:	\$180-\$220
Optional Fees:	Student is responsible for any certification testing fees
Calendar:	This course follows the CAREERTEC calendar



CareerClusters[®]
PATHWAYS TO COLLEGE & CAREER READINESS

Information Technology

CIS I prepares the student to be able to identify every component in as well as disassemble and reassemble the PC. The student will learn DOS hardware commands, the techniques of hardware systems analysis, troubleshooting, and repair. The student will install, upgrade, or repair microcomputers, peripheral devices, and Windows operating systems. In addition, the student will learn to implement security and operational procedures and troubleshoot software. Successful completion of this course will allow students the opportunity to test for A+ certification. Dual credits at HCC: INFT 182: Microcomputer Hardware, INFT 282: A+.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

COMPUTER INFORMATION SYSTEMS II (CIS) (10102A002)

Level:	12 th grade
Class Location:	St. John Church, Freeport
Time:	7:30 - 9:00 a.m., 9:35 - 11:05 a.m., & 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit	Highland Community College - Dual Credit** approximately 6-8 credits
Prerequisite:	Completion of CIS I with C or better and 95 % attendance, completed application and meeting with instructor required for acceptance into this program
CAREERTEC Fees:	\$25, <u>to be paid by student/parent at High School</u> during registration
HCC Fees:	\$30 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Textbook Fees:	\$250-\$352
Optional Fees:	Student is responsible for any certification testing fees
Calendar:	This course follows the CAREERTEC calendar



CareerClusters[®]
PATHWAYS TO COLLEGE & CAREER READINESS

Information Technology

CIS II provides a combination of academics and workplace skills that move a student toward further experiences in the computer field and the optional opportunity to pass industry recognized certification exams. Class activities and hands-on laboratories in Coding, Networking +, and Workplace Experience will provide students foundational skills needed to install, operate, manage, maintain, and troubleshoot networks. Introduction to design principles and implementation of systems languages. Topics include syntax, data types, control structures, and storage management. Four systems programming language will be studied: shell scripts, Perl, PowerShell and SQL. Languages may change depending on what is currently in demand. Opportunity at local employers to apply learned skills. Dual credits at HCC: SPTP 295: Coding Essentials, INFT 284: Net +, and OCED 290: Workplace Experience. Successful completion of this course will allow students the opportunity to test for Net+ certification.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CONSTRUCTION TRADES I (17002A001)

Level: 11th and 12th grade
Class Location: Freeport Senior High / Construction Site
Time: 7:30 - 9:00 a.m., Mon. - Fri.
Length: One year, double period
H.S. Credit: 2 credits per year
Prerequisite: Knowledge of fractions and decimals
Calendar: This course follows the CAREERTEC calendar

Learn to build and/or remodel a house! Construction Trades Youth Apprenticeship Year I provides introductory on-site construction skills to students interested in the building industry, from laborer to architect. Students construct a family housing unit from foundation to roof or smaller units demonstrating the same building techniques, after receiving safety and construction instruction in a classroom site. Construction careers explored include: carpenter, electrician, plumber, heating, and air conditioning technician, dry-walling, construction technician as well as manager and architect. With the support of area industries this course is an important first step toward success within the construction trades industry. Opportunity to earn OSHA 10-hour certification.

CONSTRUCTION TRADES II (17002A002)

Level: 12th grade
Class Location: Freeport Senior High / Construction Site
Time (option 2): 7:30 - 9:00 a.m., Mon. - Fri.
Length: One year, double period
H.S. Credit: 2 credits per year
Prerequisite: Successful completion of CTYA I with a C or above and 95% attendance
Calendar: This course follows the CAREERTEC calendar

Students continue in the hands-on-program described in year I to learn more advanced skills used in the construction trades industry and possibly become a foreman on the Construction Trades job site.

COSMETOLOGY I (COSMO I) (19101A001)

Level:	11 th and 12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 – 9:00 a.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
HCC Credit:	Highland Community College - Dual Credit** 6 credits
Prerequisite:	8 th grade reading level and meeting with instructor required for acceptance into this program.
HCC Fees:	\$750-\$757 (\$80 uniform and shoes, \$30-\$37 uniform smock, \$250 basic student kit and \$120 course fee, \$240 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Approximately \$300 textbook bundle and study guide
Calendar:	This class follows the HCC calendar

Students will identify safety and decontamination procedures required for safety and sanitary customers services in the cosmetology industry. Students will identify hair anatomy and disorders as well as perform shampooing and conditioning the hair and scalp. Students will identify and demonstrate skills in basic hair design such as finger waving, pin curls and rollers. Students will perform basic lab services on mannequins and clientele. Students will also learn the operating principles of the clinic's reception desk.

Course content covers COSM 121.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

COSMETOLOGY II (COSMO II) (19101A002)

Level:	12 th grade
Class Location:	Highland Community College, Freeport
Time:	1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 6 credits
Prerequisite:	Completion of Cosmetology I with a C or better and 95% attendance rate
HCC Fees:	\$390 (\$120 course fee, \$240 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Use book from year 1
Calendar:	This course follows the HCC calendar

Students will demonstrate skill in thermal pressing. Students will identify and learn the making of wigs and fitting wigs with clients. Students will learn and demonstrate various braiding techniques. Students will understand the communication on client consultations. Students will learn and perform manicuring and pedicuring. Students will identify different haircutting strategies and will perform various haircuts on men, women and children. Students will also learn the operating of clinic's dispensary. Course content covers COSM 122.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CRIMINAL JUSTICE (04165A001 & 15051A003)

Level:	11 th & 12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 - 9:00 a.m., Mon. - Thurs.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 12 credits
HCC Fees:	\$510 (\$480 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$500-\$725
Calendar:	This course follows the HCC calendar



The Criminal Justice program will provide foundational courses for a variety of career pathways including: law enforcement, crime scene investigators, corrections, lawyers, probation and parole officers, security, parks and wildlife, and social work. Course content will include overview and history of institutions, correctional systems, practices, and issues related to criminal justice. Course content will also focus on principles and functions of crime, acts, mental state, criminal liability, juvenile delinquency, information systems, and criminological theories throughout history to present day. Topics will also include current trends in U.S. crime rates; patterns of victimization; characteristics of property crimes, violent crimes, substance abuse, and corporate crimes. Dual Credit at HCC: CJS 101, CJS 102, CJS 202 and INFT 180.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CRIMINAL JUSTICE II (04162A001)

Level:	12 th grade
Class Location:	Highland Community College, Freeport
Time:	1-2:30 p.m. Mon. & Wed. Some courses may be offered online.
Length:	One year, double period
H.S. Credit:	2 Credits per year
Post Sec Credit:	Highland Community College – 7-10 Dual Credit** credits
Prerequisite:	Completion of Criminal Justice I with a C or better and 95% attendance rate
HCC Fees:	\$312-432 (\$280-400 tech & activity fees, \$2 course fee, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$300-\$400
Calendar:	This course follows the HCC calendar



The Criminal Justice II program offers an opportunity to study and examine criminology two days a week in the fall. Criminology is the subfield of sociology that focuses upon crime, law, and social control within the context of social organization and culture. Additionally, two days a week in the fall will focus on independent work toward Physical Fitness 1 and an 8-week online course of First Aid, required courses for degree programs. Second semester students will be introduced to the phenomena of contemporary terrorism and extremism. Emphasis will be placed on extremism as a foundation for terrorist behavior, types of terrorism, and strategies for governments and law enforcement agencies to respond to terrorism. In light of domestic terrorist incidents in the United States and domestic hate crimes, this course will also analyze extremist and terrorist group usage of the media and literature as their influential tools. The second spring term course will introduce students to criminal law as an elective course for Criminal Justice certificate, degree and/or transfer program. This course will analyze the principles and functionalities of substantive criminal law, including elements of a crime, acts, mental state, attendant circumstances, and criminal liability. This course will include evaluation and analysis of crimes against property, habitation, public order, and crimes against persons. Special consideration is given to the criminal law within Illinois. This course may be taught in an online format. Dual Credit at HCC: CJS 201, 203, 208, PHYD 212 (First Aid), and PHYD 121 (Physical Fitness).

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CULINARY OCCUPATIONS I (16052A001)

Level:	11 th and 12 th grade
Class Location:	Pretzel City Kitchen, Freeport
Time:	7:30 - 9:00 a.m., 9:35 - 11:05 a.m., & 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 1 credit
Prerequisite:	Nutrition and Culinary Arts I or Instructor Approval if class not offered, meeting with instructor required for acceptance into this program
CAREERTEC Fees:	\$70 (\$25 lab fees, \$20 text book rental, \$25 chef jacket), to be <u>paid by student/parent at High School</u> during registration
Optional HCC Fees:	\$15 registration fee Spring semester, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar

Culinary Occupations I teaches practical culinary knowledge and skills, including basic knife skills, cooking techniques, industry guidelines, international cuisine, and terminology needed for the development of food service competencies and workplace skills. The majority of the class is spent in the kitchen applying culinary skills through lab activities. Food sanitation and classroom application will prepare students for an industry recognized sanitation exam. Additional content includes professionalism, kitchen essentials, basic and advanced food preparation, food service equipment, management essentials, and building a successful career in the industry. Students will be provided training opportunities on commercial equipment. Dual credits at HCC: Food Sanitation Certification, HMEC 192.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

CULINARY OCCUPATIONS II (16055A001)

Level:	12 th grade
Class Location:	Internship sites
Time:	varies dependent on internship agreement
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 1-3 credits
Prerequisite:	Successful completion of Culinary Occupation I with a C or better, 95% attendance and instructor approval
Optional HCC Fees:	\$15 registration fee Spring semester, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar

Culinary Occupations II is an internship based program designed to prepare students for an occupation in the food service industry. Students complete four internships, one each quarter, at a variety of food businesses. The course places special emphasis on developing real-world culinary skills, including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include food cost accounting, taking inventory, advertising, monitoring consumer and industry trends, and individualized mastery of culinary techniques. Students will be responsible for transportation to and from internship sites. Dual credit at HCC possible: OCED 290 (Workplace Experience)

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

Early Childhood Education I

Level:	11 th and 12 th grade
Class Location:	Highland Community College, YMCA Early Learning Center, or home school district preschool
Time:	7:30 – 9:00 a.m. Mon. - Fri.
Length:	One year, double period
HS Credit:	2 credits
Post Sec. Credit:	Highland Community College – Dual Credit **6 credits
HCC Fees:	\$270 (\$240 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$250-\$600
Calendar:	This course follows the HCC calendar

This program allows students to work directly with children from birth through second grade while earning college credit! Students will also work toward Early Childhood Educator Gateways to Opportunities Credential Level 1 while spending time in early childhood settings with children. This credential makes students eligible for the Gateways to Opportunities Scholarships.

Dual credit year 1: ECE 121: Introduction to Early Childhood; ECE 123: Health Safety & Nutrition of the Young Child, 6 total credits.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

Early Childhood Education II

Level:	12 th grade
Class Location:	Highland Community College, YMCA Early Learning Center, or home school district preschool
Time:	7:30 – 9:00 a.m. Mondays only
Length:	One year, double period
HS Credit:	2 credits
Post Sec. Credit:	Highland Community College – Dual Credit **8 credits
HCC Fees:	\$350 (\$320 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	Use book from Year 1
Calendar:	This course follows the HCC calendar

Dual credit year 2: ECE 122: Child Growth and Development and ECE 203, Home School, & Community Relations in Early Childhood and Practicum. Students will also work toward Early Childhood Educator Gateways to Opportunities Credential Level 2. while spending time in early childhood settings with children. This credential makes students eligible for the Gateways to Opportunities Scholarships.

Hybrid Schedule: Monday class 7:30-9 a.m., Tuesday, Wednesday, and Thursday, in public or private schools for Preschool, K, 1st or 2nd grade, YMCA Early Learning Center or child care center working with children, also 7:30 to 9:00 am. Some coursework will be online, while other coursework will be during class Mondays.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC

GRAPHIC DESIGN I (GD I) (11155A001)

Level:	11 and 12 th grade
Class Location:	Freeport High School, Freeport
Time:	7:30 - 9:00 a.m. and 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Prerequisite:	Knowledge of the fundamentals of design
CAREERTEC Fees:	\$30, to be paid by student/parent at High School during registration
Calendar:	This course follows the CAREERTEC calendar

Discover the world of commercial design applications and the kaleidoscope of career opportunities! The core of Graphic Design I focus on real world applications of graphic design (2D) and/or product design (3D) techniques and processes. The objective of the course is to solve design problems utilizing the design fundamentals (e.g. typography, shape description, color and drawing etc.) in combination with professional computer programs and hardware. Project may include the development of brochures, brand identity, package/product design, screen printing (t-shirts), 2D and/or 3D animation, and video. The course curriculum will include professional software applications and equipment, design theory, photography, basic 2D & 3D animation, video, and associated material processes and production techniques for All curricular areas. Emphasis of this course will be placed on software skill development, design thinking, presentation techniques, portfolio development, and professional/social employability skills necessary to succeed in these career fields.

GRAPHIC DESIGN II (GD II) (11155A002)

Level:	12 th grade
Class Location:	Freeport High School
Time:	7:30 - 9:00 a.m. and 1:00 - 2:30 p.m. (preferably mornings), Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Prerequisite:	Completion of Graphic Design I with C or better and interview with Instructor
CAREERTEC Fees:	\$30, to be paid by student/parent at High School during registration
Calendar:	This course follows the CAREERTEC calendar

The second year continues on from the first year experiences to engage students in more complex and individualized design projects. Students will gain more experience in real world applications of both: graphic design (2D) and/or product design (2D), photography, animation, and/or product design (3D) techniques and processes. The objective of the course is to solve design problems utilizing the design fundamentals (e.g. typography, shape description, color, and drawing etc.) in combination with professional computer programs and hardware projects may include the development of brochures, posters, brand identity, package & product design, screen printing (t-shirts), 2D and/or 3D animation and video The course curriculum will include professional software applications and equipment, design theory, photography, basic 2D & 3D animation, video, and associated material processes and production techniques for all curricular areas. Emphasis of this course will be placed on software skill development, design thinking, presentation techniques, portfolio development, and professional/social employability skills necessary to succeed in these career fields.

HCC DUAL CREDIT AUTO MECHANICS I (20104A001)

Level:	11 th and 12 th grade
Class Location:	Highland Community College
Time:	12:45 - 5:45 p.m., Mon. - Thurs.
Length:	One year
H.S. Credit:	Two credits per year
Post Sec. Credit:	Highland Community College - Dual Credit** 25 credits
Tuition:	Approximate out of pocket tuition cost to student \$2225.
HCC Fees:	\$1,415 (\$385 course fee, \$1000 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u> . Students may purchase tools through a rent to own program at HCC at a cost of approx. \$1000 per semester. Students may also rent tools while in class, <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$190
Calendar:	This course follows the HCC calendar



If you're serious about becoming a certified auto mechanic, look into this course. Dual Credit Auto Mechanics I is a Dual Credit program earning college credit hours as well as high school credits. Students are expected to have math and reading skills sufficient to understand the technical terminology presented in the textbooks. This program prepares students for employment in the areas of: Vehicle service and inspections, brakes, manual transmissions, and drive lines, basic electrical (batteries, starters, alternators) suspension & alignments, and engine repair. **Students are responsible for any tuition and fees beyond \$650 per semester.** Students are also responsible for purchase of required textbooks (approx. \$190) and tools. Students will earn Highland Community College credits toward an Associate of Applied Science degree. Dual credit at HCC: AUTM 111, 113, 115, 120, 122, 124, 138
This is a ASEEF accredited course. Various ASE Certifications may be earned after completing 2 years of automotive courses.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

HCC DUAL CREDIT AUTO MECHANICS II (20104A002)

Level:	12 th grade
Class Location:	Highland Community College
Time:	7:30 - 12:30 p.m., Mon. - Thurs.
Length:	One year
H.S. Credit:	Two credits per year
Post Sec. Credit:	Highland Community College - Dual Credits** 27 credits
Prerequisite:	Successful completion of Auto Mech. I with C or better and 95% attendance
Tuition:	Approximate out of pocket tuition cost to student \$2507
HCC Fees:	\$1,550 (\$440 course fees, \$1080 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u> . Students may purchase tools through a rent to own program at HCC at a cost of approx. \$1000 per school year <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Same textbook as Yr. 1, continuation of payments on tool set purchased through HCC <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the HCC calendar



Dual Credit Auto Mechanics II is a continuation of courses leading to an Assoc. of Applied Science Degree. This program prepares students for employment in the areas of computerized engine controls, air conditioning, automatic transmissions, and body control systems. **Students are responsible for any tuition and fees beyond \$650 per semester.** Additional college credits are necessary to complete the AAS degree program. Dual credits at HCC: AUTM 231, 233, 235, 237, 238, 240, 242, 248.

This is an ASEEF accredited course. Various ASE Certifications may be earned after completing 2 years of automotive courses.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

HEALTH OCCUPATIONS YOUTH APPRENTICESHIP I (HOYA I) (14001A001 & 14051A001)



Level:	11 th and 12 th grades
Class Location:	St. John Church, Freeport
Time:	7:30 - 9:00 a.m., 9:35 - 11:05 a.m., & 1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College – Dual Credit** 8 credits (Eight credits for students successfully completing the C.N.A. theory and clinical training)
Prerequisite:	Keyboarding Skills, inoculation documentation, and meeting with instructor required for acceptance into this program, satisfactory completion of Algebra 1 and have at least an 8 th grade reading ability, which will be confirmed through Accuplacer exam score of at least 220.
CAREERTEC Fees:	\$165 (\$25 drug screen, \$25 workbook, \$20 Textbook rental, \$30 background check, \$6 fee, \$22CPR, \$37 scrub uniform), <u>to be paid by student/parent at high school</u> during registration
HCC Fees:	\$15 registration fee for Spring semester, <u>to be paid by student/parent at HCC</u>
Optional Fees:	\$75 CNA state testing fee, <u>to be paid to CAREERTEC office prior to August orientation</u> Students may purchase their textbook for replacement cost
Calendar:	This course follows the CAREERTEC calendar

Health care is the largest growing industry globally. Doctors, nurses, lab technicians, respiratory techs, occupational and physical therapists, surgical assistants and traveling health care personnel are needed nationwide. HOYA I provides a comprehensive exploration into health care occupations and provides foundational skills and broad-based training in a variety of careers in the health care field. Classroom academics will be combined with introductory on-site visits of numerous health careers. The course is designed to help prepare students for more in-depth post-secondary study toward a particular career in health care. Students will need the 2 step TB test and proof of Hepatitis B vaccination. To participate in the CNA training students will need state issued photo ID, further information will be provided.

* TB test can be obtained at the county health department at their current rate. Appointments should be made.

Students are offered the opportunity to receive CNA (Certified Nursing Assistant) training with successful background check. 40 hours of clinical training will be done in the evenings or weekends, during the course of the year. Students that pass the theory and clinical portion with an 80% or better may sit for the State License exam in June to be given at Highland Community College. Aligning with healthcare standards, students will be subject to random and reasonable suspicion alcohol and drug screenings; students will be removed from the program if they test positive.

Suggested preparatory courses include: Algebra I, computer literacy, keyboarding skills, strong science background, competent writing skills, and a strong interest in health related careers. Students may be responsible for their own transportation to and from Job Shadow sites and some field trips. Dual credit at HCC: NURS 091.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

HEALTH OCCUPATIONS YOUTH APPRENTICESHIP II (HOYA II) (14002A003 & 14154A001)

Level:	12 th grade
Class Location:	Internship site & St. John Church every Wed., 1:00-2:30 p.m.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual credit** - 5 credits after passing Medical Terminology exam and Health Care Delivery
Prerequisite:	Completion of HOYA I with C or better and 95% attendance, and attainment of work site placement
CAREERTEC Fees:	\$87 (\$40 textbook rental, \$47 workbook), <u>to be paid by student/parent at High School</u> during registration
HCC Fees:	\$15 registration fee for Spring semester, <u>to be paid by student/parent at HCC</u>
Optional Fees:	\$10 for lab coat if required at work site; \$49 drug test paid to testing facility by student if required for on-site work placement
Calendar:	This course follows the CAREERTEC calendar



HOYA II is a combination of on-site clinical work experiences and academics that are required to enter a particular health career or health industry area. Student interview and work on-site with a professional for an average of eight hours per week to total 144 hours per semester and a cumulative total of 288 during entirety of course Additional time is spent on academics that enable the student to pursue a post-secondary degree or certification in the healthcare field. Students will study Medical Terminology as well as explore national and regional practices of health care. This will include not only careers in health care , but projections of health care needs locally as well as globally, access to health care advocacy for health programs, managing the delivery of health services, diverse populations served in health care and the challenges involved, and an overview of changing health care behaviors. Students will work actively with community resources while studying national and global behaviors in comparison. Students will meet every Monday and Wednesday in the classroom from 1-2:30 for the academic instruction. Students will need the one step TB test before class begins. *TB test can be done at Health Department for a fee. Appointments should be made. Aligning with healthcare standards, students will be subject to random and reasonable suspicion alcohol and drug screenings; students will be removed from the program if they test positive. Students study Medical Terminology and Health Care Delivery and upon successful completion of the exam will earn college credits through HCC: NURS 117 and HLTH 101. . Students must provide their transportation to and from classroom and the work site.

INDUSTRIAL TECHNOLOGIES (13207A001 & 13207A002)

Level:	11 th & 12 th grade
--------	---

Class Location:	Highland Community College
Time:	7:30 - 9:00 a.m., Mon. - Thurs.
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College Dual Credit** 12 credits
HCC Fees:	\$805 (\$295 course fees & tools, \$480 tech & activity fees, \$30 registration fees per school year. Students must purchase tools at a cost of \$160 included in course fees), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$195-\$303 textbook bundle
Calendar:	This course follows the HCC calendar

This program develops the basic academic and technical skills students must acquire to pursue a career in welding, CAD, or manufacturing. These skills will be developed in the areas of Shielded Metal Arc Welding, Gas Metal Arc Welding, 2D CAD (Computer Aided Drafting), and 3D CAD and Parametric Modeling. Upon completion of these courses, the student will be able to use a fusion process to join (weld) two pieces of metal by applying intense heat to melt the edges of metal so they fuse permanently. Students will also determine the welding process best suited for the metals being fused. Additionally, students will learn to create basic 2-dimensional CAD drawings complete with multiple views and dimensions. An emphasis will be placed on drafting fundamentals. Finally, students will learn 3-dimensional CAD (Parametric Modeling) with an emphasis on dimensioning mechanics and assemblies.

**Students successfully completing this course will have the opportunity, with additional coursework at HCC, to earn certificates and/or degrees in Welding, Welding and Fabrication, Industrial Training, Mechatronics, and CNC Machining. Dual Credit at HCC: WELD130, WELD232, DRAF105, DRAF106

Students may apply to the Plumbers & Pipefitters Union Local 23 apprenticeship upon completion and high school graduation.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

INDUSTRIAL TECHNOLOGIES II (22153A001):

Level:	12 th grade
Class Location:	Work Site
Time:	Varies
Length:	One year
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College Dual Credit** 1-4 credits
Prerequisite:	Successful Completion of IND TECH I.
HCC Fees:	\$30 registration fee per school year, course and activity fees vary from \$40 - \$160 depending on options below, <u>to be paid by student/parent at HCC</u>
Textbook fees:	Depends on option chosen below
Calendar:	This course follows the HCC calendar

There are 3 different options for year two of the Industrial Technologies course.

Option 1:

Students attend college-level courses on Highland's campus during the school day. This option would require permission from the student's school. Courses could include: 3D CAD, Machine Processes, CNC Mill, CNC Lathe or other Technical Electives for the alternating days. Students selecting the 3D CAD course could also attend during normal CareerTEC hours.

Option 2:

Students complete Occupational Education (OCED) courses, otherwise known as workplace experience. Students seek part-time paid employment or unpaid internship with an area manufacturer. The employment would align with the HCC Welding and/or CNC Machining programs.

Option 3:

Students could select a combination of options 1 and 2. Students are responsible for gaining the credits required by their high schools.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

NAIL TECH: 19105A001

Level:	11 th and 12 th grade
Class Location:	Highland Community College, Freeport

Time: 7:30 – 9:00 a.m., Mon., Tues., and Thurs., Fri
Length: One year, double period
H.S. Credit: 2 credits per year
HCC Credit: Highland Community College - Dual Credit** 4 credits
Prerequisite: 8th grade reading level and meeting with instructor required for acceptance into this program.
HCC Fees: \$490 (\$50 smock, \$130 basic student kit and \$120 course fee, \$160 tech & activity fees, \$30 registration fee per school year), to be paid by student/parent at HCC
Textbook Fees: Approximately \$382 textbooks
Calendar: This class follows the HCC calendar

An introduction to the profession including: salon conduct, ethics, client consultation, decontamination and safety. Students will understand anatomy and physiology of the skin and nails. Students will perform manicures and pedicures. Course content covers COSM 190.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.
 All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

NAVY JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC) (09101A000)

Level: 9-12 grades
Class Location: Freeport High School
Time: 7:30 - 9:00 a.m., Mon. - Fri.
Length: One Year
H.S. Credit: 1-2 credits per year
 (May be used for Physical Education requirement)
Calendar: This course follows the CAREERTEC calendar



Navy Junior Reserve Officer Training Corp (NJROTC) is a citizenship development program that explores Naval Science and leadership. The subjects include oceanography, meteorology, astronomy, basic electronics, communications, naval engineering, navigation, physical fitness, uniform preparation, and inspections. Naval Science is taught by retired Navy and Marine Corps personnel. The course provides classroom experiences that emphasize patriotism; development of informed and responsible citizens; promotes habits of orderliness and precision; develops a high degree of personal honor, self-reliance, individual discipline; and leadership development. Any student considering joining any of the United States Armed Services should consider enrolling in this course. Cadet experiences are enriched through participation in any one of six extra-curricular teams (precision drill team, air rifle marksmanship team, orienteering team, athletic team, color guard team, or academic team), community service projects, or overnight trips to various colleges, universities, and military facilities throughout the United States. Uniforms, text books, training aids, etc. are provided by the United States Navy. Additionally, various 3 and 4 year university scholarship opportunities are available to students that qualify. Any student attending NJROTC classes are eligible for advance promotion when entering active duty. Enrollment is open to grades 9 through 12. Students may take the course for one to four years. Credit can be used to meet the physical education requirement for graduation. Enrollment in this course does not obligate the student for military service in any branch.

School to Work I: A Cooperative Education and Employer Experience

Level:	11th – 12 th grade, 12 th grade priority
Class Location:	various employers in the region
Time:	1:00 - 2:30 p.m., Mon. - Fri.
Length:	One year, double period
HS Credit:	2 credits
Post Sec. Credit:	May be possible to earn 1-4 dual credits, depending on career area.
CareerTEC fees:	\$30, <u>to be paid by student/parent at High School during registration</u>
HCC Fees:	\$15 registration fee per semester if dual credited, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar

This program offers a combination of school and workplace learning. Students will develop their career pathway by working in a career area of their choice, up to four locations per year. The workplace experience will be combined with lessons that integrate workplace competencies and employability skills such as: attendance, positive attitude, ability, willingness to learn, communication, problem solving, team work, and professionalism. Students must have their own transportation. Senior students have precedence.

Hybrid Schedule: 2-3 consecutive weeks of class will be held at various employers in the region, 1-2:30 p.m. When a student shows adequate proficiency in the basic employability skills, the student will then move to his/her paid or unpaid work site experience Tuesdays-Fridays. Students are responsible for finding their own work sites. Mondays will continue for classroom instruction. 8-work hours/week minimum must be scheduled. These work hours are flexible, meaning the student may work in the afternoon/evening/or weekend depending on employer need.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing at HCC.

School to Work II: A Cooperative Education and Employer Experience

Level:	12 th grade
Class Location:	Internship/work sites
Time:	varies dependent on internship/work agreement
Length:	One year, double period
H.S. Credit:	2 credits per year
Post Sec. Credit:	May be possible to earn 1-2 dual credits, depending on career area.
Prerequisite:	Successful completion of School To Work I with a C or better, 95% attendance and instructor approval
Optional HCC Fees:	\$15 registration fee Spring semester
Calendar:	This course follows the CAREERTEC calendar

Students who successfully completed School To Work I as a junior can continue the program for a second year, participating in an internship/job their senior year.

• Internship/Worksite Details – Students intern or work at a local business working with professionals gaining valuable soft and hard skills experience outside the classroom setting. There will be no class time. Although students will be responsible for assignments. Finding the site and transportation is the responsibility of the student as is a minimum of eight (8) hours of work per week. All accepted students will attend a mandatory orientation meeting prior to the start of classes in the fall. Dual credit at HCC possible: OCED 290 (Workplace Experience).

HIGHLAND COMMUNITY COLLEGE DUAL CREDIT

Dual credit provides students the opportunity to earn high school and Highland Community College credit simultaneously. These credits become a part of the student's permanent transcript upon successful completion of the course. They may transfer to any educational institution according to the acceptance policies of that institution just as any other credits earned at Highland.

CAREERTEC

CAREER AND TECHNICAL EDUCATION CONSORTIUM

2037 W. Galena Avenue, Freeport, IL 61032, 815.232.0709

CAREERTEC does not discriminate on the basis of race, religion, color, national origin, age, gender, or disability in any of its educational programs or in the provision of services to the student.