

Hiawatha High School Course Catalog

2018-2019

***Denotes classes required for graduation*

AGRICULTURE

1000

****1010 – AGRIBUSINESS MANAGEMENT**

Grade 11-12	1 Year	1 Credit
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This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Learning experiences focus on the understandings and skills needed to make decisions about the use of resources and prevention strategies that contribute to an improved quality of life. Instructional units include: marketing and trading of agricultural products, international agriculture, imports and exports, agricultural law, taxes, governmental regulations and policies, and advanced computerized record keeping. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness application. Post-secondary education will be explored at agricultural colleges and universities. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integrated course component for leadership development, career exploration and reinforcement of academic concepts. **This course meets the requirement for consumer education instruction as required by the School Code of Illinois and must be taken for a full year.**

1030 – BASIC AGRICULTURAL SCIENCE

Grade 9-12	1 Year	1 Credit
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This orientation course builds on the basic skills and knowledge of the agricultural industry. The major units of study include plant science, animal science, soil science and agricultural mechanics. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

1040 – FLORAL DESIGN

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: Basic Ag Science or Biology	FEE: \$10.00
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This class is designed to study greenhouse production of flowers and related segments of the horticulture industry. Major units of study include floriculture plant identification, the care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. This course will provide hands-on labs in the art of floral designing with silks, fresh, and tropical plants. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

*This class is offered in the **odd** graduating years alternating with Landscape and Turf Management.*

1050 – GREENHOUSE PRODUCTION

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: Basic Ag Science or Biology
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This course focuses on the greenhouse management and related segments of the horticulture industry. Major units of study include plant identification, greenhouse structures, and the culture of greenhouse crops. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

*This class is offered in the **odd** graduating years alternating with Horticulture Production.*

1060 – HORTICULTURE PRODUCTION

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: Basic Ag Science
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This introductory course is designed to develop knowledge and skills in the following areas: plant structures and functions, soils and plant growing mediums, plant identification of both nursery and ornamental plants, plant propagation, production of greenhouse and nursery plants, maintaining and using the greenhouse, operating and using equipment. Leadership skills development and job opportunities will be explored. There is a great deal of hands-on applications. Allergy problems should be considered.

This class is offered in the even graduating years alternating with Greenhouse Production.

1070 – LANDSCAPE & TURF MANAGEMENT

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: Basic Ag Science
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This advanced course focuses on landscape, nursery, and turf segments of the horticulture sequence. The major units of study include landscape plant identification, designing plans, hardscape construction materials and techniques, and installation of plant materials according to plans developed. Also included is nursery production, turf production, weed and insect solving, maintenance, and more. Many hands-on projects are included. Clothes will become dirty and allergies are a concern for this class.

This class is offered in the even graduating years alternating with Floral Design.

1080 - SUPERVISED AGRICULTURAL EXPERIENCE (SAE) 1

Grade 9-10	1 Year	1 Credit	Prerequisite: Instructor Approval
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This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agri-science experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to full-time employment, scholarships, and award through the FFA.

1085 - SUPERVISED AGRICULTURAL EXPERIENCE (SAE) 2

Grade 11-12	1 Year	1 Credit	Prerequisite: Instructor Approval
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This course is designed to improve and expand knowledge and skills in various agricultural careers. Students will gain credit by continuing a project at their home, at a local business, or at their school usually after normal school hours. Students are encouraged to add additional projects, experiences, scope, and growth involving managerial and decision-making skills. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to full-time employment, scholarships, and award through the FFA.

1090 – AGRICULTURAL MECHANICS

Grade 9-12	1 Year	1 Credit
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Agricultural Mechanics provides students with an opportunity to gain the basic mechanical knowledge and skills sets utilized in the agricultural industry. An emphasis will be placed on the selection, operation, maintenance, and repair of a variety of agricultural machinery and equipment. Students will receive classroom instruction as well as hands-on experience to support the practical application of learning.

ENGLISH

1200

***4 Credits Required For Graduation*

****1210 – ENGLISH I**

Grade 9	1 Year	1 Credit
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This course is a foundational overview of basic grammar, writing, and literature. English I surveys short stories, poetry, and nonfiction with creative, expository, and research-based writing intertwined. A grammar and punctuation review is emphasized. The reading of at least one drama, epic poem, and novel are required.

****1220 – ENGLISH II**

Grade 10	1 Year	1 Credit	Prerequisite: English I
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This course is built upon the foundational skills acquired in English I of basic grammar, writing, and literature. English II also surveys short stories, poetry and nonfiction with creative, expository, and research-based writing intertwined. A grammar and punctuation review is emphasized. The reading of dramas and novels is required to prepare students for the more specific studies of upperclassmen courses.

1230 – ENGLISH III

Grade 11	1 Year	1 Credit	Prerequisite: English I and II
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This course focuses on the development of American literature from Colonialism to today through the study and comparison of literary eras and genres. This course continues to reinforce reading, writing, listening, speaking, and reasoning skills. ACT/SAT preparation is emphasized through grammar reviews, vocabulary study, and persuasive essay writing. Informative and persuasive, speeches are integrated as well as the study of rhetoric.

1235 – ENGLISH III/ HONORS

Grade 11	1 Year	1 Credit	Prerequisite: English I and II
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This course is designed for students who have demonstrated outstanding ability and effort in English II. The course emphasizes the application of interpretation, evaluation, and criticism of English literature. Literary genre, writing styles, and language usage will be emphasized throughout. Preparation for college studies will be a focus of the class. Students will successfully complete a variety of creative and analytical writing through their survey of English Literature. The course also includes ACT/SAT prep with an emphasis on vocabulary.

1240 - ENGLISH IV

Grade 11	1 Year	1 Credit	Prerequisite: English I, II and III
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In this course, students will focus on the development of British Literature through the study and comparison of literary eras and genres from ancient times to today. This course continues to reinforce reading, writing, listening, speaking, and reasoning skills while preparing students to enter both college and the workforce. Special attention will be given to the development and creation of personal statements, cover/business letters, and resumes.

1245 – ENGLISH IV HONORS

Grade 11	1 Year	1 Credit	Prerequisite: English I, II and III
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This course is designed for students who have demonstrated outstanding ability and effort in English III. The course emphasizes the application of interpretation, evaluation, and criticism skills of English literature. Literary genre, writing styles, and language usage will be emphasized. Preparation for college studies will be a focus of the class. Students will successfully complete a variety of creative and analytical writing through their survey of English Literature.

1250 – CREATIVE WRITING

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: English I and II
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In this course, students will practice various forms of writing, including poetry, short story, essay, memoir, and literary analysis. Throughout the course emphasis will be placed on improving skills, enhancing individual style, proofreading, editing and writing in manuscript form for potential publication. Grammar elements will also be emphasized, including sentence structure, agreement, usage and other concepts. The mission of Creative Writing is to provide a forum and creative outlet for students who love to read and write.

This class is offered in the odd graduating years alternating with Popular Fiction.

1260 – POPULAR FICTION

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: English I and II
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This course is designed for students who want to expand their reading, discussion, writing, and critical thinking skills by introducing students to popular literature and authors of the 20th and 21st century. This course aims to develop students' appreciation and understanding of literature. Students will be examining and analyzing text, communicating through discussion, presentation, and writing, and participating in in-depth conversations and Socratic Seminars about literature.

This class is offered in the odd graduating years alternating with Creative Writing.

1255 – SPEECH AND DRAMA

Grade 10-12	1 Semester	1/2 Credit	Prerequisite: English I and II
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In this course, students will learn the foundational skills of public speaking and dramatic production. Students will study and conduct a variety of types of speeches including demonstrative, persuasive, and informative. Additionally, students will learn the power of oral communication through the study and analysis of rhetoric as both speaker and audience.

1270 – AP LITERATURE AND COMPOSITION

Grade 11-12	1 Year	1 Credit	Prerequisite: English I and II
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An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

1370 – YEARBOOK

Grade 9-12	1 Year	1 Credit
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The Yearbook course is a yearlong course in which students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copy-writing, editing and photography while producing a creative, innovative yearbook which records school memories and events. There will be an emphasis on journalism skills in this class. Students will gain useful, real world skills in time management, teamwork, and complete individual assignments in relation to the team's work.

FINE ARTS

1300

1311 – ART FUNDAMENTALS

Grade 9-12	1 Year	1 Credit
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This course focuses on the foundations of art. Students will learn a variety of ways to express the elements of art (line, shape, value, color, texture, space and form) and principles of design. This course is project-based and students will learn to use a variety of media that includes graphite, pen, clay, printmaking, foil tooling, colored pencil and more. Students will also be exposed to cultural arts, famous artists through time, art movements and art criticism.

1321 – DRAWING

Grade 10-12	1 Year	1 Credit	Prerequisite: 'C' or higher Art I/Fundamentals
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This class will focus on drawing techniques. Students will discover how to develop their own powers of observation. They will learn how to use the elements and principles of art to create drawings that are imaginative and visually appealing. Students will develop art criticism techniques and work with a variety of materials including pencil, pen, colored pencil, marker, acrylics and clay.

1331 – PAINTING

Grade 11-12	1 Year	1 Credit	Prerequisite: Art I/Fundamentals with a 'C' or higher
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This class will focus on painting techniques. Students will incorporate the elements and principles of art through different painting media. Students will develop an understanding of concepts such as composition and self-reflection through artistic style.

1341 – ART PORTFOLIO

Grade 12	1 Year	1 Credit	Prerequisite: Completion of 2 of the following course with a C or higher: Drawing, Painting, Ceramics
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Set up for students seeking a career in the arts. Students will prepare artwork for a portfolio that will demonstrate technical ability and unity. Create a series of art unified with a common theme that reflects advanced knowledge of the elements of art, principles of design, composition and craftsmanship. Students will learn to describe and critique their artwork using the four stages of art criticism.

1342 – CERAMICS

Grade 10-12	1 Year	1 Credit	Prerequisite: 'C' or higher Art I/Fundamentals
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This course is an introduction to sculpting clay with hand-building techniques (slabs, coils and pinch pots) and throwing pottery – using the pottery wheel (cups, bowls, plates, vases, etc.). Students will learn to create original sculptures and vessels as well as explore glazing and painting ceramics. An emphasis will be placed on how the elements and principles are used in sculpture, developing skill with clay tools and critiquing sculpture.

1350 – HIGH SCHOOL BAND

Grade 9-12	1 Year	1 Credit	Prerequisite: Jr High Band or Director's Approval
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Band is Co-Curricular which means that activities outside of class are required and are included in the students' grades. Intermediate to advanced training in instrumental techniques is taught. The High School Band will perform music of various musical styles--popular, classical, marches, jazz, etc. Performance skills are taught through fall, winter, and spring concerts, parades, football games and contests, where attendance is mandatory.

1360 – HIGH SCHOOL CHORUS

Grade 9-12	1 Year	1 Credit
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Chorus is Co-Curricular which means that activities outside of class are required and are included in the students' grades. This course is designed to help enhance their knowledge of music literature and the fundamentals of choral singing. Students will study music literature from various genres including Renaissance, Classical, African-American Spiritual, Contemporary, Sacred and Secular. Students are required to attend all concerts and festivals in which the ensemble performs. Students are responsible for providing concert attire of white blouse or button down shirt, and black slacks or skirt. Some outside rehearsals will also be a portion of the curriculum and grade. Students must earn a grade of C or higher in the 1st semester to continue in the 2nd semester.

FOREIGN LANGUAGE

1400

1410 – SPANISH I

Grade 9-12	1 Year	1 Credit
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Spanish includes vocabulary building, grammar, syntax, pronunciation, reading comprehension, and Hispanic culture. Different aspects of the Spanish language are studied through dialogues, composition, and skits. (A grade of C or better in English is recommended to be successful.)

1420 – SPANISH II

Grade 10-12	1 Year	1 Credit	Prerequisite: Spanish I
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Spanish II is a continuation of Spanish I with further building of vocabulary, grammar, syntax and pronunciation. Different aspects of the Spanish language are studied through more detailed dialogues, composition, and skits.

1430 – SPANISH III

Grade 10-12	1 Year	1 Credit	Prerequisite: Spanish I and II
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Students learn advanced grammar, expand their vocabulary themes, and improve reading comprehension and conversation. A portion of the course emphasizes Spanish culture. Dialogues, skits, and short essays are included.

1440 – SPANISH IV

Grade 10-12	1 Year	1 Credit	Prerequisite: Spanish I, II and III
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Spanish IV is an extension of Spanish III to include a continuation of advanced grammar, reading of novels/plays in Spanish culminating in the reading and study of Don Quixote. Discussions in Spanish. Teaching opportunities may arise.

MATHEMATICS

1600

***3 Credits Required For Graduation*

1610 – ALGEBRA I

Grade 9	1 Year	1 Credit
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Algebra 1 is designed to provide students with foundational algebra skills including mathematical shorthand used to express numerical relationships in a concise and organized manner and cover the fundamental concepts of algebra. A study of lines including solving equations, graphing, and other representations will be included in the topics presented.

1620 – GEOMETRY

Grade 10	1 Year	1 Credit	Prerequisite: Algebra I
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An in-depth study of the properties of lines, triangles, quadrilaterals, polygons, circles and solids will be presented. Students will learn to organize and present logical arguments in support of statements using elements of an established system.

1630 – ALGEBRA II

Grade 11	1 Year	1 Credit	Prerequisite: Algebra I and Geometry
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Algebra II provides a more in-depth study of algebra topics that extends the concepts learned in Algebra I. This course expands on the study of lines to include more complex nonlinear functions. The content of this course is important for students' success on both the ACT and college mathematics entrance exams.

1640 – ALGEBRA III/TRIGONOMETRY

Grade 11-12	1 Year	1 Credit	Prerequisite: Algebra I, Geometry and Algebra II
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Analytic geometry and trigonometry presents and develops the necessary topics for a pre-calculus course. Analytic geometry integrates geometric concepts with algebraic concepts. Complex numbers, exponential functions, and logarithmic functions will also be discussed. The triangle relationships studied during trigonometry will give students a solid preparation for college mathematics and science courses.

1650 -AP CALCULUS AB

Grade 12	1 Year	1 Credit	Prerequisite: Algebra I, Geometry, Algebra II and Algebra III/Trigonometry
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Calculus extends concepts learned in Algebra III/Trig using geometric and intuitive motivation to introduce concepts and results so that the students may readily absorb the definitions and theorems that follow. This class will cover limits, derivatives, derivative applications, Integration (including logarithmic, and exponential integration), and applications of Integration. This class should adequately prepare students for the AB Calculus Advanced Placement Test. *This class is offered in the odd graduating years alternating with Statistics.*

1660- STATISTICS

Grade 12	1 Year	1 Credit	Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation
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Statistics acquaints college bound students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Concepts of probability will be included. The course provides instruction in each of the four conceptual themes covered by the AP Statistics Examination: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Computers and calculators will allow students to focus deeply on the concepts involved in statistics. A TI-83 or TI-84 graphing calculator is recommended. *This class is offered in the even graduating years alternating with AP Calculus AB.*

PHYSICAL EDUCATION/HEALTH

1700

*** 3.5 P.E. Credits and 0.5 Health Credits Required For Graduation*

****1710 – PHYSICAL EDUCATION**

Grade 9-12	1 Year	1 Credit
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Physical Education is required for each semester that a student is enrolled in high school. Physical Education is designed to promote physical fitness through various activities. These include both aerobic and anaerobic conditioning, applied Kinesiology, as well as individual and team sports. Socially, the competition consists of fair play, a desire for teamwork and the will to excel. Emotionally, physical education teaches responsibility, self-control, and motivation in the process of maturity. Long-term goals are to develop an appreciation and an understanding of the importance of teamwork and good sportsmanship to continue after high school years, and to maintain an adequate degree of physical fitness during and after high school years. Various *Wellness* concepts will be emphasized throughout the course.

****1720 – HEALTH EDUCATION**

Grade 10-12	1 Semester	1/2 Credit
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The health science course is designed to help students realize the importance of healthful and safe living. The students will be presented with information about present day problems, systems of the body, and careers in health related fields. With the use of textbooks, current health related articles, and visual material and models of various systems, the student will become aware of the human body and how its care is very important for healthful and safe living. Areas of Study: I. Total Wellness; (a) Physical Health (b) Mental Health (c) Social Health. II. Nutrition and Diet. III. Physical Fitness and Exercise (a) Muscular System (b) Skeletal System © Cardiovascular System. IV. Diseases of Man; (a) Communicable Disease (b) Non-communicable disease. V. Drugs in our Society: (a) Use and Abuse (b) Alcohol and Tobacco (c) Steroids. VI. Life Cycle: (a) Reproductive Systems (b) Adolescence. VII. Systems of the Human Body: (a) incorporate into Different Units (b) Understand Relationship Between all Systems. VII. Safety education (a) Basic first Aid (b) CPR (c) Disaster survival. VIII. A.I.D.S. Education IX. Sexual abuse. X. Sexual Education. Expectations of Students: The student will acquire a basic knowledge needed for a healthy and safe lifestyle. The student will be able to make health related decisions in a mature and educated manner.

SCIENCE

1800

*** 3 Credits Required For Graduation*

1810 – AP BIOLOGY

Grade 11-12	1 Year	1 Credit	Prerequisite: Biology; Chemistry recommended or concurrent enrollment and Teacher referral
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This class is a much more in-depth survey of the science of life than Biology 1020. This course is outlined by the College Board and has a series of lab activities that are required to be done in conjunction with the teaching module. Students may opt to take the College Board Test in May (fee associated with exam) in which college credit may be earned with a passing mark. This class is offered every other year. *This class is offered in the odd graduating years alternating with Anatomy and Physiology.*

1815 - ANATOMY & PHYSIOLOGY

Grade 11-12	1 Year	1 Credit	Prerequisite: Biology and Teacher referral
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This is a year-long course focusing on the structure and function of the human body. Topics discussed include muscle structure, skeletal structure, and various body systems (digestive, respiratory, cardiovascular, nervous, etc.). This class is designed for those interested in entering any medical profession or those seeking to study biology at a higher level. *This class is offered in the even graduating years alternating with AP Biology.*

1820 – BIOLOGY

Grade 9-10	1 Year	1 Credit
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This is a general survey of life science. Subject areas include the basis of life, cell structure and function, genetics, evolution and selected groups from the plant, animal and protista kingdoms. Laboratory techniques are included in the curriculum. Recommended for all students but essential for college-bound and those in agriculture.

1830 – CHEMISTRY

Grade 11-12	1 Year	1 Credit	Prerequisite: Biology and Algebra II or concurrent enrollment in Algebra II
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This course is a general study of the physical science known as chemistry. It studies matter and its composition or make-up and changes in its composition. Topics include atomic structure and theory, chemical bonding, stoichiometry, oxidation and reduction, behavior of gases, solutions and more. Chemistry is a recommended class for AP Biology and/or college preparation.

1850 – PHYSICAL SCIENCE

Grade 9-10	1 Year	1 Credit
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This is a yearlong course focusing on the general properties of energy and matter and how the two relate. Topics discussed include atomic structure, elements, magnetism, electricity, and more. Recommended for all students interested in meeting physical science credit.

1860 – PHYSICS

Grade 11-12	1 Year	1 Credit	Prerequisite: Algebra III/Trig or current enrollment in Alg III/Trig
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Physics is study of basic concepts and principles dealing with motion, vectors and dimensions (one and multidimensional), force, momentum and collisions, work and energy (including applications in kinetic and potential), rotational motion, rotational equilibrium and dynamics, electric forces and fields, electrical energy and capacitance, and current and resistance. A strong mathematical preparation is necessary. Physics is a recommended class for college preparation.

1870 – AN INQUIRY OF INTEGRATED SCIENCES

Grade 11-12	1 Year	1 Credit	Prerequisite: Physical Science and Biology
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This course is designed for those Jr. and Sr. students that do not plan to take Chemistry, Physics, AP Biology, or Anatomy & Physiology as a third science elective. The student must have both counselor and instructor approval in order to be enrolled in the class. The course will have quarter components of Life Science (ie. basic biological concepts, taxonomy, and human biology), Physical Science (basic physics and chemistry concepts), Earth Science (ie. basic plate tectonics, meteorology, and astronomy), and Environmental Sciences (ie. covering basic cycles, environmental concepts and how they relate to some of today's global issues and problems). Each component may have laboratory work associated with it to reinforce the concept that is being studied in the classroom.

SOCIAL STUDIES

1900

*** 3 Credits Required for Graduation*

1905 – CURRENT EVENTS

Grade 9-12	1 Semester	1/2 Credit
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This course will cover current issues happening in the world, including local, national, and global locations. These events will be examined with regard to their global impact. Various media sources will be used, including the Internet, newspapers, magazines, and television. This course will consist of assignments using reading and writing skills, as well as geographic and sociological concepts. Students will learn to critically examine current events by focusing on cause and effect analysis. *This class is offered in the odd graduating years alternating with Sociology I & II. This class may be taken two different semesters for credit.*

1920 – ANCIENT WORLD CIVILIZATION

Grade 9-12	1 Semester	1/2 Credit
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This is a survey of world history from prehistoric times through the end of the Roman Empire. The course is designed to give students a survey of world history up to the 500's. It will aid students in their understanding of their own times. *This class will be offered in rotation sequence with Contemporary World Civilization and Modern World Civilization.*

1930 - CONTEMPORARY WORLD CIVILIZATION

Grade 9-12	1 Semester	1/2 Credit
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This is a survey of world history from World War II to the present times. The course is designed to give students a survey of world history up to the present. This course will include a unit on genocide. It will aid students in their understanding of their own times. *This class will be offered in rotation sequence with Ancient World Civilization and Modern World Civilization.*

1940 – GEOGRAPHY

Grade 9-12	1 Semester	1/2 Credit
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This course will be a study of the effects of geography on society. There is an emphasis on the physical and economic aspects of geography along with current issues involved with the areas to be studied. The five themes of geography will be used to focus our examination of different countries and regions around the world.

1950 - MODERN WORLD CIVILIZATIONS

Grade 9-12	1 Semester	1/2 Credit
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This is a survey of world history from Renaissance through World War I. The course is designed to give students a survey of world history up to the 1900's. It will aid students in their understanding of their own times. *This class will be offered in rotation sequence with Ancient World Civilization and Contemporary World Civilization.*

****1960 – U.S. HISTORY 1 & 2**

Grade 10-11	1 Year	1 Credit
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The first semester covers the eras from Colonial Times through Manifest Destiny. The second semester covers from the Civil War through The Great Depression. Students will come to appreciate the ways in which American culture was formed from many different cultures. Students will see how the events of the nation's past have influenced its present and how it will influence its future.

****1965 - U.S. HISTORY III**

Grade 11	1 Semester	1/2 Credit
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This course is designed to encompass our country's modern history. World War II through the 2000's and today in America will chronologically be covered. This will include WWII, Genocide and the Holocaust, Cold War, the Civil Rights Movement, and Vietnam, as well as other important events in modern times. Throughout this course certain recurring themes will be focused on. They are as follows: democracy, environment, culture, conflict, social history, and diversity.

****1970 – CIVICS**

Grade 11-12	1 Semester	1/2 Credit
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This is a study of the American political system, studying the systems of government we have at the national, state, and local level. The people involved, the process involved, and the basic themes and ideas behind our system are also analyzed. The aim of the course is not only to study government, but to also teach citizen involvement and responsibility to the student. The course will also include the principles of the Constitution of the United States and of the State of Illinois.

1980/1985 – SOCIOLOGY I & II

Grade 11-12	1 Semester	1/2 Credit
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The general thematic content of the course is man in his relationship to others. Sociology studies human social behavior and assumes a group rather than individual perspective. The steps in scientific and reflective thinking are studied as ways in which societal problems can be analyzed. Emphasis is given to using sociological imagination while examining social structure and stratification, deviance and social control, racial, ethnic, gender and age inequalities, and institutions. *This class is offered in the odd graduating years alternating with Current Events.*

OTHER CLASSES:

1200 LANGUAGE SKILLS / STRATEGIES

Grade 9-10	1 Year	1 Credit
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This course is designed for students to learn and apply specific study skills. Topics include vocabulary, written expression (sentence and paragraph construction, editing) reading comprehension (paraphrasing, inferences), organizational skills, networking, outlining, note taking, test preparation, and research skills. The intent of the course is to foster the independent learning skills necessary for success in the classroom. Students will receive a letter grade in this class.

1600 – MATH SKILLS / STRATEGIES

Grade 9-10	1 Year	1 Credit
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This course is designed for students to learn and apply specific study skills. The content of the course covers a review of the fundamental operations of arithmetic and the basic concepts of rational numbers in both rational and decimal form. The intent of the course is to foster the independent learning skills necessary for success in the classroom. Students will receive a letter grade in this class.

2010 – DRIVER EDUCATION

Grade 10-12	Summer Only	1/2 Credit
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Each student is required to attend a minimum of 30 class hours during the nine-week period. If a student misses more than **TWO** class periods, they will be dropped from the class. This fulfills the state requirement for classroom instruction in driver education. Each student will be instructed in the Illinois rules of the road and the basic procedures for driving in various conditions. Each student is required to drive a minimum of 6 clock hours behind the wheel with the instructor. This fulfills the state requirement of supervised practice time with an instructor. Students will be expected to demonstrate the ability to perform a variety of driving skills as well as experience a variety of different driving conditions. The students will also be give information on becoming an organ and tissue donor. Students are also required to attend a meeting with a parent or guardian before an instruction permit will be issued. *An additional fee is required for the driving permit.* **STATE REQUIREMENT: Students must receive a passing grade in at least 8 courses during the previous 2 semesters before enrolling in the course.**

**2020 CONSUMER EDUCATION

Grade 11-12	1 Semester	1/2 Credit
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Learning experiences focus on the understandings and skills needed to make decisions about the use of resources and prevention strategies which contribute to an improved quality of life. The course content includes the following areas: Utilizing resources and consumer information by applying goal-setting and decision-making skills; evaluating use of resources to meet social, physical and psychological needs; maintaining health standards by applying safety information; applying consumer rights and responsibilities in the resource/consumer management skills necessary for present and future decisions. This course meets the requirement for consumer education instruction as required by the School Code of Illinois. Also, see Agribusiness Management.

2100 – ILLINOIS VIRTUAL HIGH SCHOOL CLASSES

Grade 11-12	Credit and duration varies	Prerequisite: Permission from Principal/Counselor
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These courses are offered through the State of Illinois Virtual High School web site. The Illinois Virtual High School charges a fee of \$250.00 **per semester** course. A full course description can be obtained by going to the following web site: <http://www.ivhs.org/index.learn?bhcp=1>

2301 – PEER MENTORING

Grade 11-12	1 Year	P/F Credit	Prerequisite: Teacher Recommendation; GPA of 3.0
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Students will have a practical peer mentoring experience working with other Hiawatha K-12 students. Students must have an interest in exploring options in teaching and education.

2401 – SERVICE LEARNING

Grade 11-12	1 Year	P/F Credit	Prerequisite: Principal/Counselor Approval; GPA of 2.5
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Students may work voluntarily as a service to the school. Service credit is available each semester for work in the school as office helper, cafeteria helper, teacher aide, tutor, librarian, etc. Students must have a 2.5 GPA (Grade Point Average) and be in-line for graduation in order to participate in the service program. Students must also have an acceptable disciplinary record. Before entrance into the program is formalized, parental approval must be received. Students will complete a weekly journal reflecting on their experiences, to be shared with their supervising adult at the end of each quarter. This program is available to juniors and seniors only for Pass/Fail Credit.

KISHWAUKEE COLLEGE COURSES:

Grade 12	1 Semester each	1/2 Credit
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These courses may be included in our school day, and the content is appropriate for any high school senior planning to attend college. Students may enroll whether or not they elect to take the courses for dual credit at Kishwaukee College but having option for dual credit during the school day will greatly benefit our students.

*CSD 100: The College Experience: The purpose of this course is to assist students in making a successful transition into the college experience. Students will be exposed to key academic terms, policies, and resources that foster student engagement and promote academic success. Topics include: exposure to college culture and expectations, setting goals, career and college planning, time management, study strategies, utilizing campus resources, diversity, self-reflection, and motivation.

*CSD 101: Career Planning: Designed to assist students in the selection of careers which fit each person's interest, values, skills, and personal goals; and to assist in learning techniques necessary for finding employment in today's market. Topics include self-awareness, decision making, occupational awareness, and job search strategies.

Dual Credit Opportunities:

Hiawatha High School has support from Kishwaukee College to host the following courses on site, at times outside of the school day. The college will provide adjunct faculty for these courses. Sections may be open to not only Hiawatha students but any student of Kishwaukee College, as well as other area high school students. The courses are a semester long, 3 college credit hours and included in the Illinois Articulation Initiative. This means they will transfer to any 4 year institution. They will not count as a semester credit and will not be included in the cumulative GPA at Hiawatha High School. This is not a comprehensive list of courses, and only those taught by Hiawatha faculty during the school day will be transcribed, issued credit and included in the cumulative GPA at Hiawatha High School.

*English 103 - Composition I

*English 104 - Composition II

*MAT 101 - Topics in Mathematics

*PLS 140 - Intro to American Govt and Politics

*Com 100 – Oral Communication

2500/2600 – KEC - KISHWAUKEE EDUCATION CONSORTIUM

Grade 11-12	1 Year	1/2 Credit	Prerequisite: Special Permission, varies
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Please see attached catalog

The Kishwaukee Education Consortium is a cooperative, Education for Employment Delivery System made up of area high schools, Kishwaukee College, and other agencies. The KEC provides a variety of career and technical programs where students gain knowledge and skills for immediate employment after high school or for advanced educational programs. Workplace, basic academic and transition skills are taught as an integral part of each course

2670/2675 – Automated Engineering Technology Academy 1 & 2

2510/2515 – Automotive Technology 1 & 2

2520/2525 – Aviation Flight Academy 1 & 2

2690/2695 – Building Maintenance 1 & 2

2550/2555 – Collision Repair Technology 1 & 2

2570/2575 – Computer Information Systems 1 & 2 (alternating years with Web Development Fundamentals)

2580/2585 – Construction Trades 1 & 2

2590/2595 – Cosmetology 1 & 2

2660/2665 – Criminal Justice 1 & 2

2610/2615 – Culinary and Food Service Management 1 & 2

2620/2625 – Diesel Power/Heavy Equipment Technology 1 & 2

2540/2545 – Early Childhood Education 1 & 2

2596 – Esthetics and First Aid

2630 – Intro to Fire Fighting and Intro to EMS

2635 – Advanced Fire Fighting

2637 – Emergency Medical Technician/EMT-B

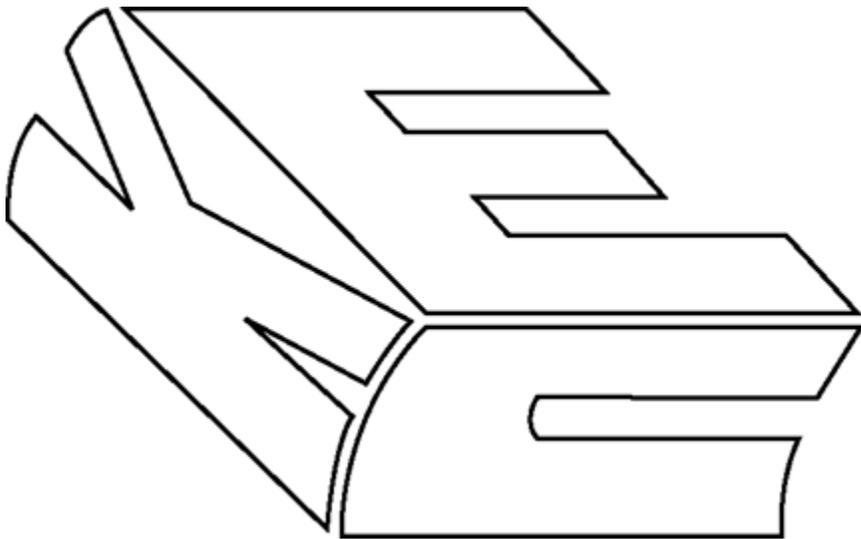
2650/2655 – Health Occupations 1 & 2 (drug test required)

2530/2535 – Mass Communications 1 & 2

2560/2565 – Web Development Fundamentals (alternating years with Computer Information Systems)

2680/2685 – Welding Technology 1 & 2

Kishwaukee Education Consortium



2018-2019

Regional Course Descriptions

KEC

The Kishwaukee Education Consortium is a cooperative, Education for Employment Delivery System made up of area high schools, Kishwaukee College and other agencies. The KEC provides a variety of career and technical programs where students gain knowledge and skills for immediate employment after high school or for advanced educational programs. Workplace, basic academic and transition skills are taught as an integral part of each course.

Prerequisites

Enrollment in KEC career and technical classes is open to high school juniors and seniors from KEC school districts. Some classes offered have high school or KEC course prerequisites. See course descriptions or your guidance counselor for information.

High School Credit

Students typically earn two high school credits for successfully completing KEC course requirements for the year.

KCC Dual Credit/Dual Enrollment – This allows students to be enrolled at Kishwaukee Community College and their home high school at the same time. Therefore, the **student receives college credit as well as high school credit**. Enrollment is taken care of through the KEC. The following courses are eligible for dual credit/dual enrollment in 2018-2019: Auto Technology, Aviation Flight Academy, Early Childhood Education 2, Collision Repair Technology, Computer Information Systems, Construction Trades 1, Criminal Justice, Diesel Power/Heavy Equipment Technology, Esthetics, EMT-Basic, Health Occupations, Automated Engineering Technology Academy and Welding Technology. The Senior Business Leadership Academy students receive only college credit.

WCC Dual Credit/Dual Enrollment – This allows students to be enrolled at Waubonsee Community College and their home high school at the same time. Therefore, the **student receives college credit as well as high school credit**. Enrollment is taken care of through the KEC. The following course is eligible for dual credit/dual enrollment in 2018-2019: Fire Science Technology

Transportation

The home school provides transportation to most KEC classes. Only after receiving permission from the KEC instructor, the home high school principal and parent/guardian is a student allowed to drive. Seniors in level 2 courses may have to provide their own transportation due to the college schedule. However, permission still must be obtained.

Costs

Certain classes require students to purchase tools of the trade and/or safety equipment. See course descriptions for further details.

Additional Information

If you require additional assistance selecting a KEC course, see your counselor or call the KEC office at 815.825.2000 or visit the KEC website at www.kecprograms.com.

AUTOMATED ENGINEERING TECHNOLOGY ACADEMY (AET) 1 & 2

Location: Kishwaukee College/Local Industries

2 High School Credits, each course

10 College Credits/Dual Enrollment Available

The Automated Engineering Technology Academy is a two-year high school Career & Technology Education program to prepare students to enter a broad range of career areas which may require an associate or other advanced degree. Students will take coursework at Kishwaukee College and visit engineering and manufacturing sites. Students are eligible to participate in paid internships sponsored by area engineering and manufacturing companies during the summer between their junior and senior year. Students will be introduced to basic machine tool operations. Using the IST Lab (Integrated Systems Technology) the student will be introduced to robotics, hydraulics, pneumatics, mechanical drives, CAD, CNC programming and plastics. These topics are taught through the use of high tech equipment modules that incorporate a “hands on” approach to learning. The program is intended to train students for industrial employment as entry-level toolmakers, tool designers, mechanical drafters, or production/engineering aides. Successful completion of the two-year program is designed to give the students one semester of credit towards the Kishwaukee College A.A.S. degree in Automated Engineering Technology. MT104-Intro to Manufacturing & Safety; MT102-Metrology; MT108-Intro to Manufacturing Maintenance; MT215-Manufacturing Processes 1 are the courses for which students may earn college credit. Students must provide their own safety goggles. This is a one semester class.

AUTOMOTIVE TECHNOLOGY 1

Location: Kishwaukee College

2 High School Credits

4 College Credits/Dual Enrollment Available

This course offers classroom and laboratory instruction to begin preparation for entry into the field of automotive technology. Students are introduced to the fundamentals of safety practices and proper use of related test equipment and meters as well as hands-on-work on brakes and ABS theory and operation. Students will be required to use a textbook for reading and written work as well as computers for online assignments. Students should be able to follow multiple-step directions and work both independently and in team situations. Successful completion of this course is the basis for the Kishwaukee College Basic and Advanced Automotive Technology Certificates and Automotive Technology Associate Degree (A.A.S.) Program. AMT 110 is the course for which first year students may earn college credit. Students must provide their own 3-ring binder, safety glasses and writing materials. Students are required to wear proper shop attire and footwear.

AUTOMOTIVE TECHNOLOGY 2

Location: Kishwaukee College

2 High School Credits

8 College Credits/Dual Enrollment Available

Prerequisite: "C" grade average and/or consent of instructor.

This advanced course allows students to apply and add to the skills acquired in Auto Technology I. The class covers two areas of course work; Basic Electrical and Steering Suspension Alignment. Topics covered will be theory and operation of basic electrical systems found on the automobile. This includes coverage of electrical theory, Ohm's Law, starting/charging systems, lighting and other basic electrical systems. Successful completion of this course meets Kishwaukee College AMT 113 & 120 course requirements for the Basic and Advanced Automotive Certificates and the Automotive Technology Associate Degree (A.A.S.) Programs.

Students will be required to provide their own transportation because this class meets Monday-Friday at 7:00am–8:30am, please talk with your counselor. All Auto Technology courses are taught by an ASE Master Certified Instructor.

AVIATION FLIGHT ACADEMY 1 & 2

Location: DeKalb Airport

1 High School Credit, each course

8 College Credits/Dual Enrollment Available

Prerequisite: Acceptance into Academy, consent of KEC, parental orientation session at DeKalb Airport, acceptable GPA (determined by school), recommendation of high school, oral interview with KEC Coordinator, good attendance. All students are required, by law, to provide proof of U.S. Citizenship in the form of their birth certificate or U.S. Passport. This course offers classroom and simulator instruction in aviation. The course will give an in-depth insight into the world of aviation and will prepare the student for the FAA Private Pilot written exam. Instruction consists of aerodynamics, FAA regulations, primary navigation, GPS navigation, the use of flight computers, weather, radio navigation, flight instrumentation, performance and limitations, and the ATC environment. In addition, the program utilizes state-of-the-art flight simulators. AVF 101 and AVF 121 are the courses for which students may earn college credit.

BUILDING MAINTENANCE 1 & 2

Location: KEC

2 High School Credits

This course will provide classroom and hands-on instruction in basic building maintenance and preventative maintenance facility care. The course is open to juniors and seniors who are interested in being trained for future employment in the maintenance or custodial services. Students will learn how to maintain and repair general building equipment related to: heating and cooling, ventilation, electrical, basic plumbing and facility updates with emphasis on daily cleaning technique and procedures. Classroom instruction will be focused on

an introduction to cleaning chemicals, (building codes) and (some blueprint reading). General social and employment skills will also be emphasized throughout the course.

COLLISION REPAIR TECHNOLOGY 1 (Auto Body)

Location: Kishwaukee College

2 High School Credits

8.0 College Credits/Dual Enrollment Available

This first level course begins preparation for apprentice level entry in auto body repair or further education in the field. Emphasis is placed on the fundamental aspects of collision repair and development of skills in the basic operations required to prepare an automobile for final paint application. Instruction includes safety principles and practices, vehicle nomenclature, function of individual components, parts manuals, and the use of filler and special body repair tools. Techniques stressed are straightening, shrinking, filling and the application of the hammer and dolly, and paint preparation procedures. Mig Welding is taught as it applies to Collision Repair. Successful completion of this course is the basis for the Kishwaukee College Collision Repair Technology Certificate and Associate Degree (A.A.S.) Program. CRT 111 & CRT 112 are the courses for which students may earn college credit. Students need to provide their own safety glasses, work boots and purchase a shop uniform shirt.

COLLISION REPAIR TECHNOLOGY 2 (Auto Body)

Location: Kishwaukee College

2 High School Credits

3.0 College Credits/Dual Enrollment Available

First Semester -- students will be enrolled in AMT 113 – Basic Electrical. This course offers classroom and laboratory instruction and is a required course for students pursuing a Collision Repair Technology Certificate and Associate Degree. Students are introduced to the fundamentals of safety practices and proper use of related test equipment and meters. Topics covered will be theory and operation of basic electrical systems found on the automobile. This includes coverage of basic electrical theory, Ohm's Law, starting/charging systems, lighting and other basic electrical systems. In addition to hands-on work, students will be required to use a textbook for reading and written work as well as computers for online assignments. Students should be able to follow multiple-step directions and work both independently and in team situations. Students must provide their own 3-ring binder, safety glasses and writing materials. Students are required to wear proper shop attire and footwear.

Second Semester – students will be assigned a special project by the Collision Repair Instructor and the majority of the class time will be spent in the Collision Repair Lab.

COMPUTER INFORMATION SYSTEMS

Web Development Fundamentals: Offered during the 2019-20 school year.

Location: Kishwaukee College

2 High School Credits

Students will learn the fundamental client-side programming skills in HTML5, CSS3 and SASS. Topics covered will include: writing HTML5, writing CSS, writing & compiling SASS, website planning, user experience and interface design(UX/UI), design principles, multimedia elements, basic color theory, basic typography and publishing. Students will work with hypothetical clients to create functional, effective, visually appealing, and responsive websites. Successful completion of this class will prepare students to take the CIW Web Foundations Associate & CIW Web Design Specialist certification exams.

Computer Information Systems: Offered during the 2018-19 school year.

Location: Kishwaukee College

2.0 High School Credits

7.0 College Credits/Dual Enrollment Available

Students will gain a complete, step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This course fully maps to CompTIA's A+ Exam objectives. Specific topic coverage includes: Introducing hardware and operating systems, working with people in a technical world, form factors, PSUs, processors, motherboards, RAM, HDDs, installing and supporting I/O devices, and general PC maintenance. Students will also be introduced to Local Area Networks (LANs). Investigation of basic networking concepts, hardware and software components, protocols, standards, various network topologies and transmission media as well as the fundamentals of network planning and design will be covered. Additional topics covered include: installation and maintenance of Windows OSs, and UNIX/Linux; troubleshooting network problems; network administration functions and duties. CIS 140 & CIS 142 are the courses for which students may earn college credits.

CONSTRUCTION TRADES 1 & 2

Location: TBA

2 High School Credits, each course

3 College Credits/Dual Enrollment Available for Construction Trades 1

Construction Trades 2 Prerequisite: "C" grade average and/or consent of instructor.

Construction Trades 1 provides basic training in a controlled lab environment in the following trades: Bricklayer, Carpenter, Cement Mason, Drywall Installer, Electrician, Plumber, and Tile Setter. In addition, Construction Measurement concepts and tool and job site safety are included. After satisfying the required labs, students will then be able to perform under direction from the instructor at a residential or commercial site. Students will have introductory instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills. At times, students will be working with local contractors at the job site. Students should not be opposed to working outside in various weather conditions. Students should have an understanding of basic math and geometry and be able to read a ruler. Students must also be able to lift heavy

objects, work from ladders and not have a fear of heights. BCT 101 is the course for which students may earn college credit.

Students enrolling in the second year of the program will follow the same requirements as first year students. Advanced instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills will be provided. Along with more responsibilities at the job site, there will be leadership roles assigned throughout the year. Job shadowing possibilities are available to those students who show strong work ethics, 90% or better attendance and the ability to work well with others.

COSMETOLOGY 1 & 2

Location: Debutantes or Hair Professionals

3 High School Credits, each course

This program, conducted through a contract with state approved schools of cosmetology, is designed to begin to prepare students to qualify for the Illinois licensing examination in cosmetology. The program consists of 520 hours per year for a total of 1040 hours of the 1,500 hours of instruction required for state licensing. Classroom and practical experiences include a variety of beauty treatments including the care of hair, complexion and hands. Instruction includes: hair cutting, hair styling, chemical treatments, hair coloring and manicuring. Bacteriology, anatomy, hygiene, sanitation, salon management and customer relations are also emphasized. Students should be able to read text materials written at a 10th grade level. They should be able to follow multiple step directions working alone and in a team environment. They should also be able to follow safety procedures and work appropriately with the public. Students should expect to attend class and do clinical work that may extend beyond the regular high school day. For this reason, they should plan to provide their own transportation. Students are responsible for the initial registration cost of TBA as well as the purchase of the personal tools and professional kit which usually runs about TBA, as well as a monthly lab fee of TBA per semester for 2nd year students and TBA per semester for 1st year students. Students are also responsible for the remaining hours of instruction typically completed after high school graduation.

CRIMINAL JUSTICE 1 & 2

Location: KEC

2 High School Credits, each course

12 College Credits/Dual Enrollment Available

Criminal Justice 2 Prerequisite: "C" grade average and/or consent of instructor.

This is a 2 year dual-enrollment curriculum consisting of four subjects with each subject having 3 college credit hours. This program gives an in-depth insight into the real world of policing. The course introduces the student to four major areas of law enforcement during the 2 year program. The courses studied are Criminal Investigations, Community Oriented Policing, Introduction to Criminal Justice and Crisis/Conflict Mediation. Students will learn to process a crime scene and preserve evidence as well as note taking, report writing and problem solving skills. Methods used to reduce crime in neighborhoods and effective ways to interact with

citizens of the community during a crisis or conflict will be studied. The relationships of various agencies in the criminal justice system and the responsibilities of each agency will be examined. Students will be expected to actively participate in role-playing and hands-on scenarios, follow multiple-step directions and work both independently and in team situations. The successful student will be structured and disciplined with excellent comprehension skills. Excellent attendance is mandatory. Coursework will provide an introduction to the community college program. Successful completion of this course is the basis for the Kishwaukee College Criminal Justice Associate Degree (A.A.S.) Program. CRJ101, CRJ152, CRJ 170 and CRJ201 are the courses for which students may earn college credits. CRJ201 (Criminal Investigations) and CRJ152 (Community Oriented Policing) are taught one year and CRJ101 (Introduction to Criminal Justice) and CRJ170 (Crisis/Conflict Mediation) are taught the alternate year. Being a dual-enrolled student in the college program, the student is considered a college student when attending the Criminal Justice CTE program. They will be governed under the requirements of the college as well as the criminal justice instructor. The student may be required to wear a police cadet type uniform on certain days of the week when enrolled in the Criminal Justice Program. **A Night Class for Criminal Justice is offered on Tuesday evenings from 5-8pm.**

CULINARY AND FOOD SERVICE MANAGEMENT 1 & 2

Location: KEC

2 High School Credits, each course

Culinary and Food Service Management 2 Prerequisite: "C" grade average and/or consent of instructor.

The Culinary 1 class will provide students interested in the food service industry further work in advanced food preparation and food preparation management. Emphasis will be placed on careers in the culinary, food service and hospitality industries. Food Sanitation is incorporated into the classroom instruction, including industry required ServSafe Foodhandler Certification. Students will learn to use commercial food service equipment and practice technical food service preparation skills. A broad range of food service areas will be covered including; planning, purchasing, food preparation safety and visual presentation followed by evaluation of the finished product. Service skills, employer and customer relationships, career and advanced education in the industry will also be studied. The course uses the ProStart Level 1 curriculum for the first stage of the ProStart Certification Program. Students will be responsible for the cost of purchasing their own uniforms, textbook rental fees and certification test fees. Any of the off-site catering events will require students to provide their own transportation. Course work requires internet access for online information, textbooks, workbooks and projects.

The Culinary 2 class will take the Manager Sanitation Certification Exam. In addition to the study and presentation of advanced techniques introduced in Culinary 1, second year students will demonstrate their skills to various guests and community leaders in the industry. Hospitality management and business skills that support the culinary industry will be studied. Culinary 2 students will use an online, virtual restaurant management program as a part of their curriculum. Internships and field trips to local food preparation sites may be integrated into this course. A ProStart Certification, regulated by the National Restaurant Association, can be acquired through the completion of the 2-year culinary program. Additionally, scholarships can be earned through national culinary contests and ProStart Certifications.

DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 1

Location: Kishwaukee College

2 High School Credits

5 College Credits/Dual Enrollment Available

This course offers an introduction to the theory, operation, maintenance, and repair of all common two- and four-cycle small engines (less than 35hp). Students learn engine overhaul procedures, hydrostatic transmission, transaxle, and differential repair. Also covered are tools and shop equipment commonly used by diesel technicians in the repair industry. Over 35 tools and pieces of equipment will be covered including: hand tools, air tools, precision measuring tools, lifting equipment and engine rebuilding tools. Emphasis will be placed on safe usage to minimize personal injury and physical damage. This course offers classroom and laboratory instruction. In the lab agricultural equipment and machinery will be repaired to demonstrate tool usage and common repair techniques. Successful completion of this course is the basis for the Kishwaukee College Diesel Power Technology Certificate and Associate Degree (A.A.S.) Program. DPT 175, & DPT 199 are the courses for which students may earn college credit.

DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 2

Location: Kishwaukee College

2 High School Credits

7 College Credits/Dual Enrollment Available

Prerequisite: "C" grade average and/or consent of instructor.

This course offers more laboratory experience working on, and maintaining agricultural equipment and an in depth study of diesel engines, using the skills learned in Diesel 1 class. This includes principles of operation and repair of four-cycle diesel engines. Students experience the safe use of equipment overhauls. Student disassembles and reassembles lab engine. Additionally, a detailed study of diesel operating principles and how diesel engines differ from other types of internal combustion engines; this includes trouble shooting, maintenance and testing of fuel pumps, fuel filters, and nozzles. Emphasis will be placed on the importance of fuel filtration, selection, and care in handling. Successful completion of this course is the basis for the Kishwaukee College Diesel Power and Technology Certificate and Associate Degree (A.A.S.) program. DPT 172, & DPT 177 are the courses for which students may earn college credit.

EARLY CHILDHOOD EDUCATION 1 AND 2 (ADVANCED)

Location: KEC

2 High School Credits, each course

3 College Credits/Dual Enrollment Available for Early Childhood Education 2

Early Childhood Educ 2 Prerequisite: "C" average and/or consent of instructor.

The course is designed to develop the skills required to plan and implement an early childhood program. Students will apply their learning experiences about children through participation in a play-based preschool and possibly an internship at an elementary school or an early childhood program. Career opportunities related to childcare at the associate and baccalaureate degree level are explored. Students should be reading at 8th Grade level or above. Students must also be able to work in a group setting as well as individually and must be willing to take on a leadership role with same-age classmates along with preschool age children. Successful completion of this course is the basis for the Kishwaukee College Child Care Technology Certificate and Associate Degree (A.A.S.) Program. ECE 112 is the course for which students may earn college credit for Early Childhood Education 2.

ESTHETICS & FIRST AID (Preparation for health & skin care professionals)

Location: Kishwaukee College - Room B1243

2 High School Credits

5 College Credits/Dual Enrollment Available

This course is offered as an introduction for those interested in pursuing an esthetics certificate or other health related careers and certifications. An Esthetician is a skin care specialist in a nonmedical function. As licensed professionals, estheticians provide many services, such as facials, to improve the appearance and health of skin.

The class topics will be split during the week between 3 subjects:

Esthetics is taught twice a week and is an introduction to the basic principles of esthetics. Students will learn the history of esthetics and career options available to licensed Estheticians. Professionalism, proper communication, infection control, draping and physical components of the esthetics environment will be discussed. General theory as well as practical application will be included. EST 100 will be the course for which students will earn college credit.

Massage is taught once a week and serves as an introduction to the basic principles and techniques of massage therapy. Students will learn the basic Swedish massage techniques and how to apply them. Basic anatomy and physiology of the major muscle groups, bony landmarks, and contraindications will be addressed. TPM 100 is the course in which the student will receive college credit.

First Aid is taught twice a week and prepares the student for administering basic first aid; and adult, child, and infant cardiopulmonary resuscitation (CPR). The class incorporates personal safety and accident prevention information as part of first aid. Upon successful completion of the course, the student will receive American Red Cross (ARC) certification in Responding to Emergencies and Community CPR. PE 162 is the course in which the student will receive college credit.

FIRE SCIENCE TECHNOLOGY

Location: KEC and the Cortland Fire Department

2 High School Credits

8 College Credits/Dual Enrollment Available thru Waubensee Community College

This course is a study of techniques used in fire fighting and covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course incorporates a fire department atmosphere into the training. Students will take part in classroom lectures, demonstrations, hands on practice of individual skills and training responses. This program emphasizes the knowledge, individual skills and teamwork skills necessary for an entry level position with a fire department.

- Students are required to wear a uniform to class each day, which is available for purchase prior to the beginning of the school year.
- Additional hours may be required outside of class.
 - Students must be able to perform the required physical skills within the classroom setting, including, but not limited to, fire suppression simulation, rescue training, and emergency medical services training.
 - Students shall be able to lift a minimum of 50 lbs in order to complete physical tasks that are mandatory for passing skills testing. (Turnout gear and SCBA weight is approximately 25 lbs.)

FSC 105 Basic Operations Firefighter Module A and FSC 115 Basic Operations Firefighter Module B are the courses in which the student will receive college credit through Waubensee Community College.

ADVANCED FIRE SCIENCE TECHNOLOGY

Location: TBA

2 High School Credits

Grade of "C" or better in Fire Science Technology/consent of the instructor

College Credits/Dual Enrollment - TBA

Advanced hands-on experience and more in-depth study of what fire fighters do at the scene of the fire. Students will be engaged in classroom and hands-on activities related to fire, rescue and hazardous materials scene operations. Also included will be vehicle extrication, fire behavior, building construction and ladders while wearing personal protective equipment. Various drills will be practiced to challenge and evaluate student progress. This class will continue the development of leadership and communication skills learned in Intro to Fire Fighting as students prepare to pursue career opportunities with local fire departments.

EMERGENCY MEDICAL TECHNICIAN – BASIC (EMT-B)

Location: Sycamore Fire Department

2 High School Credits

College Credit: *7 College Credits/Dual Enrollment Available*

The EMT-B certificate program provides training in the emergency medical field. Students will learn to recognize the nature or extent of a patient's condition, administer appropriate emergency medical care to

stabilize their condition and prepare them for transport to the proper medical facility. The curriculum follows the Illinois Department of Public Health (IDPH) for EMT-B training. Students will receive in-class lecture and skills training including CPR training, as well as 20 hours of hands-on clinical experience. To be eligible for employment as an EMT-B, students must successfully complete the class and must take and pass either the State of Illinois EMT-B Test or the National Registry EMT-B Test to obtain their license.

Pre-requisites: The EMT-B course will be available to KEC Students who have completed either, Fire Science Technology, Advanced Fire Science Technology, Criminal Justice 1 or Health Occupations 1 with a KEC cumulative grade of 85% or higher through the first three quarters of the current year OR high school seniors who have a cumulative GPA of 3.25 or higher at the end of Quarter 2 of their junior year. All applicants then must also have a college-level reading score. This can be demonstrated by ACT/SAT scores, cumulative high school GPA of 3.5 after five high school semesters, WriterPlacer score of 5-8, or a Reading Comprehension score of 70 (scores of 62-69 may be considered by KEC administration). Students are responsible for the costs of the required Background Check, Drug Test, TB Skin Test and Flu Shot.

CERTIFIED NURSE ASSISTANT (CNA)

Location: KEC/Area Healthcare Facilities

2 High School Credits

7 College Credits/Dual Enrollment Available

Prerequisite: Interest & experience in Health Sciences is recommended.

A reading placement test is the first requirement for entry into this class. This course provides a strong base for students who wish to gain experience and background for advanced study in the health and medical fields. Instruction includes orientation to health-related careers, basic patient care skills, medical terminology, nutrition, anatomy, physiology and first aid. In addition, this course prepares students for the Illinois Certified Nursing Assistant exam. This certification is required for employment in a hospital, long-term care facility, or home health care. The State of Illinois has set mandated attendance requirements for classroom (theory) and clinical hours, therefore **excellent attendance is crucial**. A minimum score of 80% in classroom work must be maintained throughout the year for a student to participate in clinicals and take the state CNA exam in May. Clinical experiences at community health care facilities are an integral part of the program. A two-step TB test and a Flu shot are required by the clinical sites. A criminal background check will be done on all students prior to the start of clinical rotations and students are not allowed to have any convictions. A mandatory urine drug screen will be conducted as well and the results of this screen must be negative for the student to remain in this course. Students are responsible for the costs of the Background Check, Drug Test, TB Skin Test and Flu Shot. Students are also required to purchase a scrub top & pants, stethoscope, blood pressure cuff, wristwatch with a second hand and a pair of vinyl or leather shoes. **A valid Social Security Number is required.** Students must demonstrate competency in a number of skills and be able to lift a minimum of 25 pounds before attending clinicals. NUR 100 – Basic Nurse Assistant Training is the college class for which students will earn credit. **Also available: Certified Nurse Assistant Night Class will be offered Tuesdays and Thursdays from 5:00pm-8:00pm. Lectures are presented in an accelerated format. Excellent study skills, time management & attendance are crucial. See your counselor for additional information.**

MEDICAL TERMINOLOGY

Location: KEC/Area Healthcare Facilities

2 High School Credits

3 College Credit/Dual Enrollment Available

Prerequisite: Students must have a cumulative high school GPA of 3.0 or higher after at least 3 semesters and all applicants must then also have a college-level reading score. This can be demonstrated by ACT/SAT scores, a WriterPlacer score of 5-8, or a Reading comprehension score of 70 (scores of 62-69 may be considered by KEC administration). Students who have taken and passed the Certified Nurse Assistant course with a grade of "B" or higher will automatically qualify for this class. Students are responsible for the costs of the required Background Check, Drug Test, TB Skin Test and Flu Shot.

This course will prepare students interested in the healthcare field for advanced work at the college level. Subject matter to be covered will include medical terminology, anatomy, physiology and careers in several health occupations. An integral part of the curriculum is to place students at local medical facilities to observe patient care and treatment in an unpaid and observatory capacity. In most cases students must be able to provide their own transportation to internship sites. A mandatory drug screen, Flu shot, TB Skin Test, Background Check and up-to-date immunizations will be required for students to participate in clinical experiences. Consent for the testing and a negative drug screen will be required for a student to remain a full participant in this course. Excellent attendance at the home school and KEC is essential for success in this program. A health occupations student organization (Skills-USA) is provided to support student development. OS 216 Medical Terminology is the course for which students may earn college credit. This class is a 1:1 Chromebook class with most of the assignments given and turned in online to enable students to become college ready in this age of technology.

MASS COMMUNICATION 1 & 2

Location: KEC

2 High School Credits

Mass Communication 2 Prerequisite: "C" grade average and/or consent of the instructor.

Mass Communication includes video production, photography, graphic design, journalism, and animation. Students will get real world experience in a classroom setting. Some of the projects that students in Mass Communication complete include commercials, films, music videos, and logos. Guest speakers who are professionals in the Mass Communication industry will share their knowledge and insight. Field trips to companies, agencies and TV stations will enhance the real life application.

WEB DEVELOPMENT FUNDAMENTALS: Offered during the 2017-18 school year.

Location: Kishwaukee College

2 High School Credits

Students will learn the fundamental front-end programming skills in HTML5, CS3 and SASS. Topics covered will include: writing HTML, writing CS3, writing SASS, website planning, user experience, design principles, multimedia elements (pictures, videos, music, etc.) and publishing. Students will work with hypothetical clients to create functions, effective, visually appealing, and responsive websites. Successful completion of this class will prepare students to take the CIW Web Foundations Associate Certification & CIW Web Design Specialist Certification exams.

WELDING TECHNOLOGY 1 & 2

Location: Kishwaukee College

2 High School Credits, each course

8 College Credits/Dual Enrollment Available

Welding 2 Prerequisite: "C" grade average and/or consent of instructor.

This course, designed to develop job entry skills or prepare for advanced college course work leading to professional welder certification, combines classroom instruction with "hands on" laboratory experience. Procedures covered in this course include shop safety, oxyacetylene welding, brazing and cutting, all position SMAW and GMAW welding. Students in the second year program gain experience in advanced welding practices using SMAW and GMAW processes. All students are required to purchase and wear safety glasses, appropriate clothing, and equipment. Instructor will present samples and store locations that supply the proper equipment on the first day of class. WT122-Shielded Metal Arc Welding, WT126-Gas Metal and Flux Cored Arc Weld, WT116-Fundamental Welding Processes and WT128-Oxyfuel Welding/Cutting are the courses for which students may earn college credit. This is a one semester class.

SENIOR BUSINESS LEADERSHIP ACADEMY

Location: High School & Various Business Locations

3 College Credits - No High School Credit

Prerequisite: Grade 12 and recommendation of high school counselor

The purpose of this year-long course is to expose students to a broad range of businesses and organizations. The class is designed to give students an understanding of the functions, principles, policies, problems and career opportunities within the corporate structure. Emphasis is on developing networking skills through interaction with businesses in our local and surrounding communities. Class size is limited. Interested students will be asked to complete an application and interview process. BUS 107 - Business Seminar is the course for which students may earn college credit.