POSTVILLE COMMUNITY SCHOOLS

High School Course Descriptions

2017- 2018

The Postville Community School District offers career and technical programs in the following service areas:
Agriculture Education, Industrial Technology, Health Careers, Business and Technology, and Family Consumer Science.
It is the policy of the Postville Community School District not to discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact the district's Equity Coordinator, Brendan Knudtson, Jr/Sr High Principal, PO Box 717 Postville, Iowa, 62162, (563)-864-7651x402, bknudtson@postville.k12.ia.us

Director of the Office for Civil Rights U.S. Department of Education, Citigroup Center, 500 W. Madison Street, Suite 1475, Chicago, IL 60661-7204, Telephone: (312) 730-1560 Facsimile: (312) 730-1576, Email: OCR.Chicago@ed.gov)

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Vocational Agriculture

Introduction to Agriculture Ag I Grades-(9), 10, 11, 12- 1 semester

The Introduction to Agriculture course is highly recommended to be the first Agriculture class taken by a student since it will give the students an idea of what all the other classes and activities are about. It surveys a wide variety of topics within the agriculture industry. It may involve such topics as leadership skills, carpentry, welding, livestock breeds ID, field trips to judging events and to see students' projects, and introduce what FFA is all about.

Agriculture Mechanics/Equipment/Structures Grades-(9), (10), 11, 12 – 1 semester

This class will focus on the operation of two and four-stroke engines. The students will learn proper safety and care for the mechanic shop and tools. The class will primarily deal with the troubleshooting and repair of small gas engines. The class may also involve welding skills, acetylene cutting skills, electricity, and other skills needed for the repair of engines and machines. Students taking this class are expected to bring in several small engines for learning/repair.

General Horticulture Grades-(9), (10), 11, 12- 1 semester

Designed for student interested in art and science of turf management, growing plants, shrubs, trees, flowers, fruit, and vegetables. Some of the topics that may be covered are: greenhouse operations, vegetable production, plant systems, weed and disease control, floral design, wreath construction, and landscaping. Students will get hands-on experience in the areas covered. Ideal for students interested in the growing field of horticulture and related fields.

Animal Production/Science Grades-9, 10, (11), 12 – 1 semester

Animal Production/Science is a course covering topics such as: animal systems, animal nutrition, animal reproduction, animal feed rations, and meats. This course will provide knowledge and skills needed in many agricultural and science related fields.

Agricultural Production Ag II Grades-9, (10), 11, 12- 1 semester

Agricultural Production provides students with knowledge in the following areas: carpentry/welding, animal care and management of several different species, crop production. This class reintroduces carpentry and welding and students will build basic projects.

Plant Production/Science Ag III Grades-9, 10, (11), 12- 1 semester

The Plant Production/Science course covers topics such as soil science, water conservation and testing, pest and weed control, nutrients and how they affect plant production. The Plant Production/Science course may cover knowledge and skills that relate to all crops and may emphasize a particular area of agricultural industry. Field trips to sample soil and water may be taken. Such topics may include crop production as related to farming, genetics dealing with DNA.

Agriculture—Related Subjects Grades-10, (11), 12- 1 semester

Agriculture Related Subjects takes the knowledge gained in previous classes in areas such as carpentry and welding and manufactures projects using these skills. Students should have some projects that they would like to make using both welding techniques and carpentry. Also included in this class are units in Agricultural Sales, Economics. This class may also involve areas such as electricity and plumbing.

Agriculture Management Ag IV Grades-11, (12)- 1 semester

The Agriculture Management course provides students with the information and skills necessary for career success in agribusiness and in the operation of entrepreneurial ventures in the agricultural industry. Some topics to be covered: farm management process, farm management information, depreciation and valuation, the balance sheet, the income statement, farm economic principles, and farm budgeting.

Farm Business Management **(Articulated* NICC Course See Page 23)** (AGB330)
1 Semester Credit: 1
Prerequisites: - Agriculture Management
Description: Aspects of farm decision making, including Farm business structures, farm risk management, investment and credit, year-end analysis, tax management, human resource management, and land and machinery management.

Industrial Technology

Manufacturing	Architecture & Construction
Introduction to the Manufacturing Industry and Built Environment (**Previously Intro Ind. Tech)**	
Drafting / CAD (Includes Architectural and Mechanical) (**Formerly Intro Drafting/Design**)	
Intro to Welding (**Formerly Welding I**)	
Basic Electronics (**DC and AC**)	
Advanced Welding (**Welding II**)	
Basic Engines	Fundamentals of Construction I (**Formerly Woods I**)
	Fundamentals of Construction II (**Adv. Woods**)
	Construction Technology

Introduction to the Manufacturing Industry and Built Environment
Grades 9-12 (1 semester)

This Introductory class will provide the students with an understanding of the basic manufacturing processes. Students will learn hands on industrial production experiences through various individual projects. Topics include (but not limited to) mechanical drafting, woodworking, and welding. The students will gain knowledge of multiple machines, tools, and methods needed to successfully complete quality work in the shop. This course is designed to develop the student's craftsmanship, knowledge of materials and processes, tools and equipment, and creative thinking. Lab time will be utilized to develop the student's' skill, while emphasizing safe work habits.

Drafting / CAD (Includes Architectural and Mechanical) Grades 9-12 (1 semester)

This course introduces various drafting techniques available through computer-aided design technology. The goal of this course is to introduce and acquaint the student to various computer aided drafting techniques. Through hands on experience and lecture we provide an overall view of the elements of a modern drafting system. The student will be able to manually draw the various diagrams outlined plus setup, operate, and draw most computer generated drafting diagrams by the end of this course. This class is highly recommended for anyone interested in a variety of occupations including (but not limited to) engineering, drafting, computer-aided design, machining, construction, or other related occupations. The course is designed to introduce students to different areas of drawing, drafting, and designing.

Advanced Woods — Grades 10-12 (2 semesters)

Advanced Woods will further students knowledge and experience designing, manufacturing and constructing challenging wood based cabinetry and projects. Advanced concepts in joinery, finishing and design will be explored. Advanced Woodworking is for anyone interested in the fundamentals of advanced woodworking basics, joinery used in constructing larger wood projects, finishing procedures, hardware, with a special emphasis on safe and proper use of tools and machinery. Advanced Woodworking provides experience in designing and constructing a larger wood project. The student will be expected to develop an original project. Once projects are decided on, a working drawing, a plan of procedures list, and a bill of materials list are made using Autodesk Inventor. The proper usage of various woodworking machines and power tools for cutting and shaping wood are reviewed or introduced. Majority of the time is spent in the shop constructing the project in which the student designed. The student is expected to display a high degree of skill, knowledge, and responsibility throughout the course. Lab time will be utilized to develop the student's' skill, while emphasizing safe work habits. The student is expected to build a major woodworking project at his/her own expense.

Advanced Industrial Concepts — Grades 9-12 (1 semester)

Advanced Industrial Concepts will cover some of the most advanced concepts in the industrial technology area. Topics covered may include (but are not limited to) 3D Modeling/Drafting using Autodesk Inventor and CNC Engraving and CNC Plasma cutting. The course will provide the student with the basic 3D modeling/drafting techniques. Students will construct various 3D models using Autodesk Inventor software. Using the Autodesk system the student will develop fundamental knowledge and skill which are conceptually applicable to any computer aided drafting system.

Fundamentals of Construction I — Grades 9-12 (1 semester)

Construction Technology is for anyone interested in the fundamentals of home construction. Students will receive detailed instruction in modern construction practices in areas such as framing, finishing, and roofing. Students will gain knowledge of the construction trade, materials used, hand and power tools, safe/proper tool usage, floor systems, wall, ceiling, and roof framing, roof finishing, and window and exterior doors installation through practical instruction and hands-on learning. The student will use these carpentry skills to construct made to order utility sheds or playhouses. Safe work habits, independent thinking, work ethic, good work habits, planning, and time management will be stressed.

Fundamentals of Construction 2 — Grades 9-12 1 or 2 Semesters

Construction 2 will continue and build upon student experience and knowledge of construction trades skills. Masonry, Design concepts, Concrete, Foundation, Insulation, Plumbing, Drywall, Flooring, Roofing, Environmental considerations, and efficiency will be the focus of the class. Skills will be learned via hands-on exercises and projects. Students will be exposed to trades and industry career opportunities. Students will learn leadership and management skills important to a successful career in the Construction field.

Basic Electronics — Grades: 10-12 (1 semester)

****STRONGLY ENCOURAGED:** Prerequisite: Algebra I

In this course students will learn the science of electricity, Ohm's Law, Watt's Law, while gaining a hands-on practical wiring skills. Students will explore components of basic electrical circuits as they build a variety of circuit types. Within their designed circuits, students will use the newest technologies in energy generation including solar panels and wind turbines. Practical residential wiring skills will be covered in a hands-on house wiring lab activity. This course is designed to instruct and explore the importance of electrical theory, while preparing students for a career pathway in an electrical engineering field.

Intro to Welding

Grades: 10--12 (1 semester)

NICC credit

Grades: 10--12 (1 semester) In this course students will learn the concepts, safety practices and skills of basic welding. Students will learn how to properly and safely utilize MIG and SMAW welding techniques. Students will learn to operate Oxy-Acetylene torches. Basic metallurgy, measuring, cutting and fabrication will be covered. This class will prepare the student with a basic foundation of practical welding skills. Students completing this course would be well prepared to enter the workforce or pursue further training with Welding level 2 or post secondary certification.

Advanced Welding (2)

Prerequisite: Welding level 1 Grades 10-12 (1 semester)

NICC credit

This course will further the education and foundation built in level 1. Students will learn the welding specific blueprint symbols recognized by the AWS (American Welding Society). Students will increase their lab and welding skills by completing more advanced welding projects. Students will utilize blueprint reading and layout skills in creating and designing project procedure sheets and tolerance ratings. In addition to further developing the MIG and SMAW techniques students will learn TIG welding and brazing. Out of position welding and aluminum welding skills will also be introduced.

Basic Engines:

Grades:9-12 (1 semester)

In this course we will explore power and energy. The basics of vehicle operation, ownership and maintenance will be covered. Students will learn basic tool and instrument usage as they relate to engine disassembly and reassembly. Students will understand 2 and 4-stroke engine components and functions. Students will learn to comprehend and follow service manual specifications. They will learn tolerances and fine measuring using dial calipers and micrometers. Students will conduct engine disassembly/reassembly and perform diagnostic evaluations via lab based instruction. Students will learn the many different operating systems such as ignition, fuel, cooling, lubrication, exhaust and braking. This is a hands on stimulating class for students interested in pursuing a career in the mechanics field.

Creative Design **(Prerequisite of Intro to I.T. and Welding I or Admin approval)***

Grades 11-12 (1 Sem)

Science, technology and art are blended into this course on creative design. Inspired by the famous inventor, scientist, artist, Leonardo Da Vinci, students will see how the overlap of these disciplines help create the new technologies of tomorrow. Students will explore metal and woodcraft, while learning about important contributions by famous artists and inventors. In this course students will utilize wood and metal construction techniques students to create an original work of art with purpose of design. This course is designed to foster a spirit of invention while developing creative and critical thinking skills!

Business/Technology Education

Introduction to Business Grades - 9-12 (1 semester)

Introduction to Business course is designed to expose students to aspects and concepts related to the field of business. This course introduces basic business concepts in management, entrepreneurship, marketing, human resources, international business, business ethics and personal finance. This course has good lifestyle skills for all career choices.

Keyboarding I (Guidance/Admin Recommended) Grades - 9-12 (1 semester)

Keyboarding is designed as a beginning class for students with a limited typing background. The course provides an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper typing technique. Students will also focus on speed and accuracy and fundamentals of Microsoft Word and Excel.

Foundations of Computer Literacy **Guidance/Admin Placement**

Foundations of Computer Literacy is offered one semester for students to gain a basic understanding of computer (technology) skills. The students will review keyboarding technique, proper email, file maintenance, effective search strategies and basic vocabulary associated with technology. In addition, the students will be introduced to various applications: Word, Excel, PPT, iPhoto and iMovie. Students will learn through demonstrations and "hands-on" projects to explore different applications and increase their basic technology skills.

Accounting (Articulated* Course See Page 23) (ACC115/116) Grades - 10-12 (full year)

Accounting course introduces beginning students to the basic fundamental accounting principles used in small businesses and corporations. The accounting cycle of journalizing transactions, posting, adjusting and closing entries as well as the preparation of financial statements is emphasized for service and merchandising industries. Students may learn how to apply standard auditing principles and prepare final reports using Excel and an Accounting program called QuickBooks. Credit can be earned toward Iowa Community Colleges.

Advanced Accounting **Pre-requisite: Accounting** Grades - 11-12 (1 semester)

Advanced Accounting is a continuation and expansion of the concepts developed in Accounting with emphasis on corporate accounting. Skills such as journalizing entries, preparing financial statements and interpreting data are expanded to include larger businesses with many characteristics. Advanced course is set up for students who wish to further their education in the business and/or accounting field.

Business Law Grades - 10-12 (1 semester)

Business law is designed to give students a basic understanding of the law for both personal and business use. The course gives students an understanding of personal rights with exploring the foundation of laws and distinguishing between criminal and civil law. Students will learn legal responsibilities and obligations by analyzing contract law, property law, and employment law. Examples include sales contracts, leasing and owning property, mock trial, and workplace injuries and discrimination.

Customer Service Strategies MKT:183 (NICC Credit) Grades (11-12) (1 semester)

This course is designed to introduce students to the concepts of customer service and learn skills and techniques necessary to provide best practices to internal and external customers of the organization for which they work. These skills are vital for every job since satisfying customer needs is an essential part of every business organization. Students will learn the major components of a customer-focused environment and the key elements of a service culture. Students will explore techniques to provide excellent customer service, understand the importance of verbal and nonverbal communication, develop

techniques for dealing with difficult customers, and develop strategies for working effectively with customers from diverse groups. Credit can be earned toward Iowa Community Colleges.

Personal Finance Grades (10-12) (1 semester)

Understanding financial management concepts is an important life skill. The goal of *Personal Finance* is to help students become financially responsible. This course develops students understanding and skills in money management, budgeting, financial goal attainment, checking and savings, debt and credit card management, credit score, insurance, investments and paying income taxes. This course will give students the tools and resources needed to make wise financial decisions.

Pre-Employment Strategies NICC SDV:153 2 NICC Credits (Grades 11-12) (1 Semester)

Pre-Employment Strategies presents practical strategies that prepare students to identify an appropriate career, conduct a successful job search and build the foundation for successful career development. Soft skills (people skills) will be demonstrated and practiced through various activities. Networking with local employers will be a key component by visiting with an employer panel and participating in mock interviews. Students may earn a National Career Readiness Certificate™ based on results of WorkKeys® testing. These certifications may be recognized in interviewing and compensation practices of some employers. This course will help enhance your job search and career management skills to help achieve your goals.

Interactive Media (Grades 9-12)(1 Semester)

Interactive media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The course will emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Students will produce projects combining elements of text, images, animation, sounds, video and digital imaging while using various applications. These abilities will provide students 21st Century Learning Skills that are beneficial for all courses and future career opportunities.

Advanced Interactive Media (Grades 9-12) (1 semester)
(prerequisite Interactive Media)

Advanced Interactive Media provides students with an opportunity to explore and enrich their digital skills. It takes the basic skills from Interactive Media and allows students to achieve the next level. Students will focus on creating games, exploring coding, programming robots, creating apps and designing 3D creations using Blender & other resources. During the course, students will practice 21st century skills of communication, critical thinking, teamwork, and time management.

Computer Applications (Grades 9-12) (1 Semester)

Computer Applications allows the students to create projects using a variety of software applications. Technology skills are designed to improve productivity, process information and assist in problem solving. Students will complete applications in Word, Excel, PowerPoint, internet search, file maintenance, and publishing. Many projects will integrate different technology skills that apply to real-life situations. These technology skills will be utilized during high school, post-secondary training and in their future careers.

Introduction to Computer Business Applications (Grades 10-12)(1 semester)
BCA:212 - 3 Credits at NICC Prerequisite: Computer Applications

Introduction to Computer Business Applications is offered at Postville as concurrent credit through NICC. Students will receive three college credits upon successful completion of this course. This course presents an overview of application software concepts through hands-on exercises using business application software. Practical applications will include spreadsheet, word processing, database, presentation graphics and charting. *This course transfers to many colleges & universities since it's a 200 level course.

Pre-employment Strategies Contracted through NICC Grades- 11,12

Basic introduction to skills necessary for entry-level employment positions. Networking with local employers will be a key component. Students will develop a resume, cover letter, fill out job applications, learn strengths and aptitudes, make career decisions, interview, manage income, taxes, insurance, credit and develop ways to cope with family, work, and citizenship roles. Offered during junior year and available for college credit through NICC. This class is a pre-requisite for Work Experience.

Work Experience (Prerequisite Pre-Employment) **Grade 12**

Work experience is a course that provides students with opportunities for applying the skills that they have mastered in pre-employment strategies to a work environment. This program assists in linking the core curriculum with the world of work on many levels; including financial planning, communication, decision making, personal/social growth while developing attitudes that are conductive for a contributing member of society. It assists students in selecting careers and preparing realistically and wisely for the world of work.

FAMILY & CONSUMER SCIENCES

Introduction to Family and Consumer Science (9th,12th Grades) 1 Semester

This course will have mini-units in the Family and Consumer Science area to expose students to the following subjects: 1. Food Preparation, 2. Child Care, 3. Sewing Basics 4. Design. This is a prerequisite for Foods I and II and Sewing I and II.

Foods I Successful completion of Intro. to FCS is required for 9th, 12th (9-12 Grades) 1 Semester

Students will build from their knowledge from Introduction to FCS to learn basics of cooking. Food safety and sanitation, cooking terminology, knife safety and skills are a few topics that will be learned in this class. Cooking labs will accompany each unit.

Foods II (Prerequisite: Intro FCS and Foods I) (10th-12th Grades) 1 Semester

Foods II students will build from their knowledge from Foods I to make more complex and bulk dishes. Students will also learn how chemistry is involved in food from baking to nutrition. Food labs will accompany each unit.

Child Development/Parenting I (10th-12th Grades) 1 Semester

Students will learn about childcare and parenting from conception to three years of age. Developmental milestones and parenting strategies will be taught throughout each developmental period. Observations at the daycare in town are included in this class as well as caring for the RealCare babies.

Child Development/Parenting II (9th-12th Grades) 1 Semester
Prerequisite: Child Development/Parenting I

Students will learn about childcare and developmental theories from age 3 to 9 years of age. Observations at the daycare in town are included in this class as well as preparing developmentally appropriate lessons for different ages.

Sewing I Prerequisite: Intro to FCS Suggested Course: Design (9th-12th) 1 Semester

Students will learn the basics of mending, hand sewing, and use sewing machines to create simple projects from patterns.

Sewing II 1 Semester
(Prerequisite: Sewing I) Suggested Course: Design

Students will build from their knowledge from Sewing I to create more complex projects from level three patterns.

Design **1 Semester**

Students will learn about the elements and principles of design that can be applied to different design fields. After learning the elements and principles, students will apply their knowledge to critique and design clothes and home spaces. Concepts of Fashion and Merchandising and Housing and

Fine Arts

Band (Instrumental Music) **Grades- 9-12- Each Semester**

High School Band is an elective course available to any and all Postville High School students who have sustained membership in the preparatory program that starts (for most Band Members) the summer before fifth grade and last through the spring of eighth grade. High School Band meets for an entire class period, every school day, and for the entire school year. While the emphasis of the daily class periods and various lessons change as the year unfolds, the performance-based nature of this course remains the same, meaning that there are many public performance events scheduled for each school year that all High School Band Members are supposed to fully participate at. The primary basis of grading for this entirely elective course is time-time spent in active and engaged daily group practice and time spent in rigorous and regular group public performances, all of which are finalized and posted well in advance so that Band Members/Families can plan accordingly. A sincere desire to be in this course is especially fundamental to success in the course. Although being part of the Beginning Bands prior to being in High School Band is definitely the 'traditional' route to the more advance high school membership, students who are new to the district certainly are encouraged to contact the Band Department if they are at all interested in finding out more about their unique options. (1 elective credit/semester/8 possible).

Chorus (Vocal Music) **Grades- 9-12- 2 Semester**

High School Chorus is an elective course available to anyone who enjoys singing or wants to become a better singer. High School Chorus meets for an entire class period, every day. This group is a performance based group with several performances throughout the school year, that members are expected to participate in. This class will provide the opportunity to sing a variety of choral literature styles and is designed to develop vocal techniques and the ability to sing parts. Individuals will also be expected to participate in lessons, either on an individual basis or in a small group. No prior singing experience is necessary.

Visual Arts

Folk Art Grades- 9-12- 1 Semester

This course explores a variety of art forms that have been used to create artwork and crafts in many different cultures. In this art class we will be taking techniques and mediums from other classes such as painting, sculpture and ceramics to help create new types of art that incorporate modern styles while also getting the chance to experiment and use your own interests.

Fundamentals of Art Grades- 9-12- Semester

This course is an introduction to art all other art courses. Elements and principles of art, materials, processes, and terminology will be covered as students explore various art media both two-dimensional and three dimensional.

Drawing Grades- 9-12- 1 Semester

This course is an introduction to many areas of drawing such as sketching, one-point perspective, still life, landscape, figures, and portraits. Students will view, interpret, and create art works using pencil, charcoal, pen and ink, and colored pencil. This course focuses on understanding and using media, techniques, and process.

Advanced Drawing **Prerequisite- Drawing** Grades- 9-12- 1 Semester

This course builds on the foundation of the introductory Drawing class. Students will view, interpret, and create art works using chalk pastel, oil pastel, and colored pencils in addition to each student's personal choice of media. Students will develop creativity and imagination in producing art projects.

Ceramics and Sculpture Grades- 9-12- 1 Semester

This course is an introduction to pottery with a combination of pottery wheel, and sculpture. With coiling, slab ware and a combination of construction methods will be covered. Various methods of surface decoration will be examined in addition to glazing. In combination with Sculpture combined together to finish the semester.

Painting Grades- 9-12 - 1 Semester

Students will explore watercolor, fresco, tempera, and acrylics in this introductory course. Artists, paintings, periods, and styles will be viewed and analyzed. Although not a prerequisite, it is advised to have taken Drawing.

Art Portfolio **Prerequisite- Senior/teacher approval** Grades- 12- 1 Semester

This course if offered to seniors who have taken 4 art courses prior or by teacher approval only. This course is intended for gifted senior art students who have taken most other art courses. Students will develop a body of work that reflects personal style and ability.

Graphic Design Grades- 9-12- 1 Semester

Graphic Design is a class that teaches art and technology. In this class students will use design as a creative process in communication. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. This course is designed to give students an understanding of and practical application of Adobe InDesign CC, basic Adobe Photoshop CC techniques along with the basic elements and principles of art.

Foreign Language

Spanish I Grades- 9-12- 2 semesters

Spanish I introduces students to skills in reading, writing, speaking, and listening in Spanish. Spanish 1 focuses on the introduction to culture in various Spanish-speaking countries. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. Various instructional methods are used in the class including: laptops, textbooks, games, paired activities, videos, and group work. Spanish I will be centered on acquisition of vocabulary and mastery of the Spanish present tense. **Students who already speak Spanish should not register for Spanish I.** Instead, choose Spanish II or higher after speaking with instructor.

Spanish II Grades-10-12- 2 semesters

Spanish II Spanish II focuses on improving skills in reading, writing, speaking, and listening in Spanish. Students will also learn more about the culture in various Spanish-speaking countries. Spanish II will be centered on acquisition of vocabulary and intermediate skills using Spanish past tenses. Typically, students learn how to engage in conversations for social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly.

Spanish III Grades-11-12- 2 semesters

Spanish III focuses on improving skills in reading, writing, speaking, and listening in Spanish. Students will also learn more about the culture in various Spanish-speaking countries. Spanish III will be centered on higher-level grammar and vocabulary acquisition and honing skills in reading, writing, speaking, and listening the target language. Comprehension goals for students may include attaining higher skills and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Spanish IV Grades-11-12- 2 semesters

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient

vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and writes narratives that indicate a good understanding of grammar and a strong vocabulary. Spanish IV will be centered on higher-level grammar acquisition and honing skills in reading, writing, speaking, and listening the target language.

Spanish for Heritage Speakers **Staff Recommendation** 2 Semesters

This year-long world languages course is designed to develop and challenge students' ability in speaking, reading, writing, listening, and culture development in Spanish. This course offers Spanish-speaking students an opportunity to study Spanish formally in an academic setting in the same way native English-speaking students study English language arts. The course allows students to reactivate the Spanish they have learned previously and develop it further, to learn more about their language and cultural heritage, to acquire Spanish literacy skills, to develop or augment Spanish academic language skills, to enhance career opportunities, or to fulfill a world language college admission requirement.

Health

Health Education Grades- 9-12 semester

Topics covered within Health Education courses include nutrition and fitness, substance abuse prevention, CPR training, communicable diseases including STD's, HIV, and personal health.

Personal Wellness Grades-9-12- 1 semester

Personal Wellness class covers not only personal health topics but also more general health issues. These additional topics may include (among others) living a health lifestyle, building health skills and character, becoming a health literate consumer, physical activity for life and nutrition.

Language Arts

Foundations of English Language Grades 9-12 1 Semester

Foundations of the English Language is offered one semester for students who require help on the grammar and mechanics of everyday writing. The class will focus on various aspects of writing. This class will include an introduction to grammar terms, sentence structures, punctuation, usage, paragraph writing, and identifying the good techniques of the written language.

Foundations of Literature **Grades 9-12 1 Semester**

Foundations of Literature is offered one semester for students who require help on reading and understanding the basics of literature. Students will get an introduction to the three major literary genres: fiction, poetry, and drama. Students will read short stories, poems, and plays to gain an understanding of literary forms and to learn techniques for analyzing and interpreting works of literature.

English 9 Required for Freshmen Grades-9- Full Year

English 9 is a two semester course intended to introduce students to the different genres of literature: Non-fiction, short stories, novels, poetry, and drama. In addition, an emphasis will be placed on reading comprehension, as well as punctuation, grammar, and literary elements. Students will also concentrate on formal paragraph and essay writing, as well as how to cite resources according to 6th edition APA guidelines. Works included in the class will be The Seven Habits of Highly Effective Teens, The Freedom Writers Diary, To Kill a Mockingbird, Romeo and Juliet, and various short stories & poems.

English 10 Required for Sophomores Grades- 10- Full Year

English 10 is a year-long course required for sophomores. For half the year, the focus will be on reading and writing. The class will analyze and discuss different genres of literature. Students will also utilize different writing techniques to create well written and grammatically correct papers. The second half of the year will focus on basic communication through the study of voice and body language. The medium of public speaking is used to learn organization and to build self-confidence.

English 11 Required for Juniors Grades- 11- Full Year

American Literature is a two semester course. The first semester follows important thematic and chronological development of the first four major eras in American literature: Puritanism, Enlightenment, Romanticism, & Realism/Naturalism. Works included may be The Crucible and various works by Puritan, Enlightenment, Romantic, Realistic, and Naturalistic authors. Students will use the language arts skills of reading, writing, thinking, speaking, listening, and researching to study the historical literature, visual, and performing arts, along with the architecture of the United States to better understand patterns of American culture and thought. The second semester will continue with literature written at the turn of the 20th century, move through the Renaissance & the Depression, and end with Post World War II literature. Writing and discussion will be the major focuses in analyzing the literature.

Great Books Grades- 11-12- 1 Semester

Great Books is an elective one-semester course designed to help students improve their reading comprehension, analysis, and fluency. Students will read a variety of literature and research, and prove their understanding of the texts with verbal communication (large and small group discussions) and written communication (essays, papers, and final projects). Emphasis will be placed on reading comprehension, vocabulary, and thematic discovery.

Written Expression Grades- 11-12- 1 Semester

Written Expressions is a one-semester course designed to help students improve their writing and research skills. Emphasis will be placed on the elements of good grammatical writing through practice and research.

Advanced Composition Grades- 11-12- 1 Semester

Advanced Composition is a one semester elective course intended for students who want to further their education after high school and want to improve their research writing skills. Reading and writing at the college level will be the main focus. APA and MLA (along with other formatting styles) will be used. Students will effectively communicate their findings verbally and in formal essays, research papers, and literary criticisms.

Fine Arts Literature Grades- 11-12- 1 Semester

Fine Arts Literature is a one semester elective course intended for students who want to further their education after high school and want to improve their reading analysis skills. Students will learn how to interpret literature, discuss its themes, and effectively communicate their findings verbally and in formal essays, research papers, and literary criticisms. Literature selections will include a sampling of short stories, poetry, drama, non-fiction, and epics from the "classics." A concentration is on effects of literature on the society and vice versa, along with cultural traditions and architecture of people around the world throughout history.

Drama Grades-9-12- 1 semester

Drama is an elective semester course. Students will read, discuss, and evaluate a variety of plays from Greek Theater to the present. Students will present a variety of play forms. They will also view a variety of performances to analyze.

Mass Communications Grades- 11-12- 2 semesters

This is an introductory course to the field of mass media. The main goal of the course is to gain an understanding of the role the media plays in the world today. Our focus will be on the main types of media: newspaper, magazines, movies, television, radio and internet and on their functions in society. Students will also gain knowledge in photography and electronic publication. The course will also focus on current events and the role of advertising in the media. Our main focus will be on the journalism aspect of the media. Students will also develop desktop publishing skills as this class is responsible for the school newspaper and yearbook. This course requires a commitment to writing and meeting deadlines. Students will also be required to do research outside of class in order to cover various school events.

Themes in Media Grade 10-12 1 Semester

This course involves the study of classic and award-winning films, along with the effects that media has on society. Students critique both the artistic and technical merits of the films. They study the development of theme, plot, characterization, and setting in each production. They learn the vocabulary associated with film and use this vocabulary when discussing or writing about films. Students may create their own short films.

College Composition I (ENG105) NICC Level: 12 Credit: 1 (3 NICC) **Prerequisite: Accuplacer > 45+ or ACT > 21**

College Composition I prepares students for the types of communication and thought essential to academic and working-world success. Course content focuses on writing as a process and is intended to help students identify and refine their own personal writing. The course is a Post Secondary Enrollment Option (PSEO) course and corresponds with NICC course #14:110. Students are recommended to take **English 12 Advanced Composition** prior to NICC Composition courses.

College Composition II (ENG106) NICC Level: 12 Credit: 1 (3 NICC)

Prerequisite **Prerequisite: College Composition I with a Grade of a C- or higher to qualify**

Teaches precise and responsible use of research tools. Requires critical analysis of reading materials, audience and self when communicating content material. Develops students' ability to use effective and ethical arguments.

Public Speaking SPC:112 NICC (3 Credit NICC) (1 Semester 2nd Semester)

An introductory course emphasizing actual speaking experiences with practice in choosing subjects, analyzing audiences, and preparing and delivering a variety of extemporaneous speeches. Provides opportunity for skill development in listening and group discussion techniques.

Mathematics

(Enrollment in these first 3 courses will be based on district and guidance recommendations)

Financial Math **Next offered 2020-21** Grades- 9-12-Full Year

Financial Math is a course that covers most of the following topics: covering where your money goes, making and changing your budget, earning a paycheck, banking and saving, cash or credit, selecting housing, buying and preparing food, buying personal items, owning a vehicle, and recreation, travel, and entertainment.

Intro to Algebra **2017-2018** Grades- 9-12 Full Year

Introduction to Algebra is a general math course that will highlight the basic topics of Algebra. The topics may include basic math, verbal expressions, equations, inequalities, exponents, proportions, percents, graphing, and beginning polynomials. None of the topics will be in-depth, just highlighting the basics from each topic. This class is intended for students who do not have the math background to take Algebra Part 1.

Intro to Geometry **Next offered 2018-2019** Grades- 9-12-Full Year

Introduction to Geometry is a general math course that will highlight the basic concepts in Geometry. This may include measuring objects, angles, parallel lines, similarity, quadrilaterals, polygons, solid figures, circles, transformations, and constructions. None of the topics will be in-depth, just highlighting the basics from each topic. This class is intended for students who do not have the math background to take Algebra Part 1. This class is not a substitute for Geometry and will not take the place of a Geometry class if required for college.

Algebra I- Part 1 Grades- 9-12- Full Year

This is the first part in a multi-part sequence of Algebra 1. This course generally covers the same topics as first semester of Algebra I, including solving linear equations and inequalities and also linear functions.

Algebra I- Part 2 **Prerequisite Algebra I- Part 1** Grades- 9-12- Full Year

This is the second part in a multi-part sequence of Algebra 1. This course generally covers the same topics as the second semester of Algebra I, including systems of equations and inequalities, exponential functions, polynomials and factoring, and quadratic functions.

Algebra I Grades-9-12-Full Year

Algebra I is a course that teaches the fundamental skills needed for any advanced math class. The content covered in Algebra I include: solving linear equations and inequalities, linear functions, systems of equations and inequalities, exponential functions, polynomials and factoring, and quadratic functions.

Foundations of Upper Level Math Admittance by approval only Grades-9-12-Full Year

Foundations of Upper Level Math introduces main concepts from Geometry, Trigonometry, Algebra 2, and Probability. This class is not a substitute for any of these classes, it just helps prepare a student for taking these classes in the future. **Geometry** topics include the Segment & Angle Addition Postulate, classifying angles, angle relationships, triangle properties and theorems, triangle relationships, Pythagorean Theorem, quadrilaterals and polygons, and arcs and central angles. **Trigonometry** topics include degree angles, reference angles, radian angles, trigonometric ratios, right triangles, graphing the sine function, Law of Sines, Law of Cosines, and area of triangles. **Algebra 2** includes simplifying radicals and complex numbers, solving equations with complex answers, completing squares, Quadratic Formula, and graphing quadratic equations. **Probability** topics include sample spaces, independent and dependent probability, permutations, and combinations.

Algebra II **Pre-req. Algebra I** Grades-10-12—primarily 10- Full Year

Algebra II is a course that includes topics of field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. Review topics: operations involving real numbers, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, operations with and factoring of polynomials, and solving simple quadratics.
Enhancement topics: the complex number system; polynomial, logarithmic and exponential functions, relations, and their graphs; conic sections; elementary probability and statistics; matrices and determinants; sequences and series.

Geometry **Pre-req. of Algebra I** Grades- 10-12—primarily 11- Full Year

Geometry is a course that emphasizes an abstract, formal approach to the study of geometry, including topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; rules of congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry.
Review topics: basic measurement, perimeter, area, and volume, and inductive methods of reasoning. Enhancement topics: topology, locus, and non-Euclidean geometries.

Pre-Calculus Pre-req. Of Algebra II and Geometry Grades- 11,12- Full Year

Pre-Calculus is an upper level math course designed to ready the student for the rigors of calculus. It is recommended for any college-bound student interested in math or science, including degrees in the medical fields, business, and engineering. Topics covered include solving second-degree and higher equations and inequalities, maximums and minimums, functions, relations, coordinate geometry proofs, logarithms, conic sections, complex numbers, polar graphing, sequences and series, and an introduction to limits and derivatives used in Calculus.

Trigonometry Pre-req. of Algebra II and Geometry Grades-10-12- 1 semester
Trigonometry is an upper level math course that studies the basic ratios of right triangles. It is useful in many physics applications and is recommended to any student who will be using math or science, particularly those interested in engineering and the physical sciences. Concepts taught include the basic sine, cosine, and tangent functions and their applications and graphs. Vectors and complex number are discussed and three-dimensional and polar graphing are covered. Pre-requisites are at least Algebra II and Geometry. (Grades 10-12—primarily grades 11 &12)

Statistics Pre-req. of Algebra I Grades-(10)11-12- 1 semester
Statistics is a class, which studies the collection and analysis of data. It is recommended to students whose goals include a bachelor's degree or higher. Any area of study that involves any type of surveying or data collecting will benefit from this class, especially anyone interested in business, education, the biological sciences, and the actuarial sciences. Concepts taught include gathering data, ways to describe the data (both honest and misleading), and analyzing the data. We also cover probability, variances, sampling and chi-square distribution. The problems used in this text are taken from real-life situations and demonstrate the many applications of this science.

Problem Solving Prerequisite of Algebra I Grades-9-12- 1 semester
This is a non-traditional look at solving problems. Techniques used range from drawing diagrams, making systematic lists, eliminating possibilities, matrix logic, patterns, guess and check, sub problems, unit analysis, models and manipulates, working backward, Venn diagrams, algebraic equations, and finite differences. This course is intended as a supplement to the core math courses, with an obvious focus on solving "real-world" problems.

College Stats (MAT:156) (Also listed in College Classes) Grades- 11,12- 1 semester
Introduces the basic methods of statistical reasoning to help develop the ability to summarize data, interpret data, and draw conclusions based on the data. Prerequisite: qualifying placement scores.

Physical Education

Physical Education (2301)-PE 9-10-PE 11-12 Grades- 9-12-1 semester
This course provides students the continuing opportunity to learn through a developmentally appropriate, comprehensive sequentially planned physical education program. The focus of this course is the application of movement skills and knowledge to team and individual physical activities. This will give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Science

***(Enrollment in the first 2 courses will be based on district and guidance recommendations)**

Foundations of Science I* (Fall 1 Semester)
Foundations of Science I is an introductory level course designed to allow students to explore basic life science concepts. Life science is the study of living organisms, their life processes, and their interactions with each other and their environments.

Foundations of Science II* (Spring 1 Semester)
Foundations of Science II is an introductory level course designed to allow students to explore basic physical science concepts. Physical science includes the basic principles of Chemistry, Physics, Astronomy, and other related topics.

Physical Science Required Grades-9 -12- Full Year

Physical Science is a curriculum that is designed to introduce students to the scientific study of non-biological processes. By incorporating Earth and Space Science, Chemistry, and Physics students will be given a broad overview of foundational concepts that will be addressed in more detail in advanced courses. Topics covered may include astronomy, geology, atomic structure, element classification, bonding, the basics of motion, and electricity.

Biology Required Grades- 9,(10),11,12-Full Year

Biology courses are designed to provide a background on the fundamental processes of life. Topics covered may include cell structure and function, cell reproduction, human reproduction, evolution, ecology, and vertebrates.

Environmental Science I Grades 9-12 —1 semester

Environmental Science is a curriculum that is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. The course focuses on the study of the Earth and ecological interactions.

Environmental Science II Grades 9-12—1 semester

Environmental Science is a curriculum that is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. Topics include Ecology, biomes, and human population issues.

Anatomy and Physiology Pre-Req. of Phys. Sci and Biology Grades 10,11,(12)- Full Year

Anatomy and Physiology is the study of the body's structures and functions. Topics of study include tissues and membranes, skeletal system, muscular system, central nervous system, heart, and reproductive system. Cat dissection is also part of this course. Biology is required.

Chemistry Pre-Req. of Phys. Sci and Biology Grades- 11, 12- Full Year

Chemistry is the study of matter and the changes that matter can undergo. Topics of study may include atomic structure, bonding, chemical reactions, acid/base chemistry, and biochemistry. This is a "hands-on" class with emphasis on learning through laboratory experiences.

Physics Pre-Req. of Phys. Sci and Biology Grades-11,12- Full Year

Physics is the study of how the world works and the interactions within our everyday life. This course will focus on motion and energy interactions. It is recommended that students take Geometry and/or Algebra II during or prior to taking Physics. This is a "hands-on" class with emphasis on learning through laboratory experiences. "Mechanics" units include concepts of: distance, velocity, and acceleration, Newton's Laws of Motion, circular motion, satellite motion, and relativity. "Energy" units include concepts of: work, energy conservation, the properties of solids, liquids, and gases, heat and the laws of thermodynamics, and particle physics.

Social Sciences

World History Required for Freshman Grades-9- Full Year

World History is a course that examines human society over a great period of time starting with the first civilization and ending with the crisis of the early 20th century. Not only does this course examine the culture of different societies, but it also investigates religions, landscapes, language, cultural developments, geography, race/ethnicity, as well as political/military involvement. The students will read primary source documents, create projects that reflect learning and work cooperatively to complete assignments.

US History Required for Sophomores Grades- 10- Full Year

This course examines the history of the United States from pre colonial times to post World War II. Political, military, scientific, and social developments are included as a part of the historical overview. Multi-media presentations and projects are used throughout the course to enhance student learning. An interdisciplinary approach to US History will be used that includes: primary documents, science, art, and music.

US Government Required for Graduation Grades- 11-12- 1 semester

This course provides an overview of the structure and functions of the US Government and its political institutions. Students will focus on the beginnings of our government, the responsibilities of each branch of government, role of political parties and interests groups, and the importance of civic participation in the democratic process. The structure of federal, state, and local government will be covered and how it affects us as citizens. This course is designed for a practical, hands-on approach to government, so that when one enters society as an adult, they will have an understanding of how our government operates and what they need to do as a responsible member of society.

World Geography Grades- 9-12- 1 semester

World Geography is a course that examines different regions of the world, their landscapes, their people, and the environmental elements that affect human beings. This course also explores culture, migration, political environments, and economic development. Students will complete map work, multi-media projects, and travel brochures.

Sociology Grades- 11,12- 1 semester

Sociology introduces students to the study of human behavior within groups in society. This course provides an overview of sociological theorists, sociological theories, and takes an in-depth look at religion (cults), gender, as well as education. Students will learn about socialization, conformity, social change, and the role of social institutions. Students will be exposed to how the school, parents and peers influence their own socialization. We will also explore issues about child abuse and other social problems facing the World. Individual explorations (projects) will advance student learning given specific subjects listed above.

Economics Grades- 11,12- 1 semester

This course gives an overview of both macro and micro-economics. Students will define the term "economics" and relate it to their own lives. They will also learn about the three basic economic questions, the global market system, supply and demands schedules, and new technology that will advance economies. Students will study graphs, diagrams, and charts that detail important economic concepts. The students will compete in a Stock Market Game as a practice on investing the markets.

Psychology Grades- 11,12- 1 semester

Psychology provides an interactive study of heredity, theories of learning, memory, sleep and dreams, motivation, human growth and development, personality, abnormal behavior, psychopathologies (including schizophrenia, phobias, and other effective disorders). Course content includes theories of B.F. Skinner, Sigmund Freud and Carl Jung. Members of this course in good standing will be taken on a field trip to the Iowa Mental Health Hospital in Independence, Iowa.

Contemporary US Issues Grades- 11,12- 1 semester

This course studies the political, economic, and social issues from 1950 to present day. Topics that are emphasized include: the Cold War, the Civil rights Movement, the 1960's, the assassination of JFK and the conspiracies that surround it, the Vietnam War, Watergate, and the War on Terrorism. Current events are intertwined throughout the course to show a correlation between our past and present, and how this will affect our future.

Foundation of Social Studies I and II 2 semester class

Offered two semesters for students to gain a basic understanding of World History, U.S. History and Civics. The course will focus important academic vocabulary and reading skills necessary for success in World History, U.S. History and Civics at the high school level. (Guidance/Admin Reccomendation)

Work Experience

Pre-employment Strategies Contracted through NICC Grades- 11,12

Basic introduction to skills necessary for entry-level employment positions. Networking with local employers will be a key component. Students will develop a resume, cover letter, fill out job applications, learn strengths and aptitudes, make career decisions, interview, manage income, taxes, insurance, credit and develop ways to cope with family, work, and citizenship roles. Offered during junior year and available for college credit through NICC. This class is a pre-requisite for Work Experience.

Work Experience (Prerequisite Pre-Employment) Grades 11,12

Work experience is a course that provides students with opportunities for applying the skills that they have mastered in pre-employment strategies to a work environment. This program assists in linking the core curriculum with the world of work on many levels; including financial planning, communication, decision making, personal/social growth while developing attitudes that are conductive for a contributing member of society. It assists students in selecting careers and preparing realistically and wisely for the world of work.

Other Contracted College Classes

Language Arts

College Composition I (153) (ENG105)
Level: 12 Credit: 1 (3 NICC).

College Composition I prepare students for the types of communication and thought essential to academic and working-world success. Course content focuses on writing as a process and is intended to help students identify and refine their own personal writing. The course is a Post Secondary Enrollment Option (PSEO) course and corresponds with NICC course #14:110.

College Composition II (153) Eng 106
(Pre-Req –Successful completion of College Comp I with a C- or higher)
Level 12 Prerequisite Composition I

Teaches precise and responsible use of research tools. Requires critical analysis of reading materials, audience and self when communicating content material. Develops students' ability to use effective and ethical arguments.

Public Speaking SPC:112 NICC (3 Credit NICC) (1 Semester 2nd Semester)

An introductory course emphasizing actual speaking experiences with practice in choosing subjects, analyzing audiences, and preparing and delivering a variety of extemporaneous speeches. Provides opportunity for skill development in listening and group discussion techniques.

Agriculture

Farm Business Management - (Articulate Course w/ NICC) (AGB330)
Level 11, (12) – 1 semester Credit: 1

- **Prerequisites:**
  - Agriculture Management
- Description: Aspects of farm decision making, including Farm business structures, farm risk management, investment and credit, year-end analysis, tax management, human resource management, and land and machinery management.

Industrial Technology

Introduction to CAD (139) (CAD:172) 2 credits Grades- 11, 12- 1 semester

This course introduces various drafting techniques available through computer-aided design technology. Students will study problems and prepare design station activities that apply to their individual program of study.
The goal of this course is to introduce and acquaint the student to various manual and computer aided drafting techniques. Through hands on experience and lecture we provide an overall view of the elements of a modern drafting system. The student will be able to manually draw the various diagrams outlined plus setup, operate, and draw most computer generated drafting diagrams by the end of this course.

Mathematics

College Stats (MAT:156) Grades- 11,12- 1 semester

Introduces the basic methods of statistical reasoning to help develop the ability to summarize data, interpret data, and draw conclusions based on the data. Prerequisite: qualifying placement scores.

NICC Health Career Academy Course Descriptions

3 Credits/ 75 hours Nurse Aide course HSC: 172
(Grades 10-12, must be 16 years of age by the start of clinical work)

This course is designed to provide the knowledge and practical skills necessary to provide care and service to residents in long-term care facilities by preparing individuals to become efficient, caring members of the health-care team. Thirty hours of theory will consist of classroom lecture regarding the cares provided by a Certified Nurse Aide. Fifteen hours in a laboratory setting will provide "hands on" experience of competencies prior to attending 30 hours in a clinical setting. The clinical experience provides students the opportunity to experience resident care in the long-term care environment. Upon successful completion of this course students will be eligible for state licensing and can test out of skills
***Pre-req. Course for: NICC nursing clinical coursework and several other Nursing programs.

2 Credits/32 hours Introduction to Nutrition PNN:270
(Grades 10-12)

This course emphasizes a practical knowledge of good nutrition and some knowledge of diet therapy. Includes a background of adequate and accurate information on basic nutritional needs of the body.
***No Pre-req.—Required course for: Nursing, Massage Therapy

1 Credit/16 hours Dosage Calculations PNN:200
(Grades 10-12)

This course includes a review of fractions and decimals, conversions of metric, apothecary and household units and computations of drug dosages. The classification of drugs affecting each body system will be an integral part of this course.

***Pre-req.: Qualifying placement scores—Required course for: Nursing, EMT

4 credits/64 hours Medical Terminology HIT:140
(Grades 10-12)

The study of medical terminology as the language of medicine with emphasis on word analysis, construction of definitions, pronunciation and spelling of medical terms.
***No Pre-req.—Required course for: Radiologic Technology, Health Information Technology, Medical Lab Tech, Surgical Tech, Medical Transcription, Massage Therapy, EMT

Introduction to Health Occupations 3 Credits/48 hours-5.0 Lab Hours- (HSC:110)
(Grades 10-12)

This course provides an orientation to the institutions that make-up our health care system. Explorations of our health care system and the ethical, legal, and safety issues that influence and regulate health practice and maintenance. Course includes exploration of health career pathways in therapeutic, diagnostic, health informatics, and support services.

Principles of Disease 4 Credits (HIT-165)
(Grades 10-12)

A focus of essential concepts of disease processes in relationship to the etiology, pathogenesis, pathology, and treatment of human diseases. Prerequisites: HIT:140

	1:00-1:42	1:46-2:28	2:32-3:14
1st Semester	Intro to Health Occupations Mon.-Fri.	Medical Terminology Mon.-Thurs.	Certified Nurses Aide Mon.-Thurs.
2nd Semester	Nutrition MWF Dosage Calc T, Thurs	Certified Nurses Aide Mon. – Thurs.	Principles of Disease Mon. – Thurs.

NICC Contracted Classes for 2017 – 2018

Fall 2017

Course , # & Credits	Prerequisite	Time *
ENG105 Composition I (3cr.)	**English ACT 21 or Write Placer 6 – 8**	**10:00-10:50 TTH**
HSC110 Intro. to Health Occ.(3cr)	**Accuplacer Test or ACT**	**1:00-1:42 M–F (ICN)**
HIT140 Medical Terminology.(4cr)	**Accuplacer Test or ACT**	**1:46-2:28 M-TH(Hybrid)**
HSC 172 Nurse Aide-CNA.(3cr)	**Reading ACT 15 or Accuplacer 43**	**2:32-3:14 M-TH(ICN)**

Spring 2018

Course , # & Credits	Prerequisite	Time*
ENG106 Composition II(3cr)	**Composition 1**	**10:00-10:50 TTH**
AGB330 Farm Business Man.(3cr)	**Accuplacer Test or ACT**	**M-F**
MAT156 Statistics(3cr)	**Math ACT 22 or Elem. Alg. 75+**	**M-F**
PNN270 Nutrition(2cr)	**Accuplacer Test or ACT**	**1:00-1:42(ICN) MWF**
PNN200 Dosage Calc.(1cr)	**Math ACT 17 or Elem. Alg. 44+**	**1:00-1:42(ICN) TTH**
HIT1 Principles of Diseases .(4cr)	**Accuplacer Test + Med. Term**	**2:32 -3:14(ICN/Online)M-TH**
HSC 172 Nurse Aide-CNA(3cr)	**Reading ACT 15 or Accuplacer 43**	**1:46 – 2:28(ICN) M-TH**
SPC112 Public Speaking(3cr)	**Accuplacer Test or ACT**	**2:30 – 3:30 MW**

*** Time and days subject to change.**

Articulation Process

Articulation is a process that allows high school students to earn college credit through agreements between their high schools and Northeast Iowa Community College. Area school districts and NICC agree on core competencies and performance levels to ensure credits are transferable to the College.

Articulated courses allow high school students to earn college credit in an NICC career and technical program for courses taken in the high school.

NICC faculty members work with high school instructors to identify competencies that are common at both the high school and college levels. Signed agreements allow high school students to earn college credit for achieving these skills while in high school.

Articulated courses are high school courses taught by the high school instructor.

Cost

There will be no charge for college credit awarded through this agreement to the high school or student.

Transfer of Credit

NICC will accept articulated credit through partnerships established between the high school and the College.

How Articulated Credit is earned

To receive articulated credit at Northeast Iowa Community College, the school district must have a signed course articulation agreement with NICC. Student requirements include:

1. An official high school transcript and a Request for Articulated Credit Form must be provided to the NICC registrar. Click here for a PDF Request for Articulated Credit Form.
2. Students must attend NICC within 12 months of high school graduation to be eligible for articulated credit.
3. Credit will be entered on an NICC transcript after the student has accumulated 12 NICC credits post high school or high school equivalency diploma (HSED).
4. Articulated credit is given for NICC career and technical program classes, not four-year college transfer courses.
5. Visit the Department of Education website to view statewide articulation certificates and competency requirements.

- See more at:
https://www.nicc.edu/hspartnerships/articulationprocess/#sthash.o6sbNodg.dpuf