South Winneshiek High School

Course Registration Handbook 2026-2027

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MULTICULTURAL AND NONSEXIST EDUCATION

It is the policy of the South Winneshiek 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 Kris Einck, Superintendent of Schools, PO Box 430, Calmar, IA 52132, 563-562-3269, keinck@swinn.k12.ia.us.

Continual Notice of Non-Discrimination

It is the policy of South Winneshiek Community School District not to discriminate in its programs, activities, or employment on the basis of race, color, national origin, sex, disability, religion, creed, sexual orientation, age (for employment), and actual or potential family, parental, or marital status (for programs).

If you have a question or complaint related to this policy, or for information about the district's grievance procedures, please contact Jason Halverson, PK-8th Grade Elementary and Middle School Principal, South Winneshiek CSD at *208 E Brooks St,* Ossian, Iowa 52161, (563) 532-9365; ext. 332 or at jhalverson@swinn.k12.ia.us or the Director of the Office for Civil Rights, U.S. Department of Education, Cesar E. Chavez Memorial Building, 1244 Speer Boulevard, Suite 310, Denver, CO 80204-3582, Telephone: (303) 844-5695 FAX: (303) 844-4303, TDD: (800) 877-8339, Email: OCR.Denver@ed.go

Graduation Requirements

Students need 48 credits to graduate from South Winneshiek Community School District. Of those credits 33 are required classes, while 16 are elective credits. Generally, one credit is given for a semester class that meets every day. No graduation credit is given for Drivers Education.

Required Courses

6 credits of Science
- 2 credits of Science 9
- 2 credits of Biology
- 2 credits of Elective Science

6 credits of Social Studies
- 2 credits of World History
- 2 credits of US History
- 1 credit of Economics
- 1 credit of US Government

6 credits of Math

4 credits of Physical Education

1 credit of Health

1 credit of Financial Literacy

8 credits of English
- **4 credits of General English**
  - 2 credits of English I
  - 2 credits of English II
- **1 credit of Composition**
- **1 credit of Communication**
- **1 credit of Literature**
- **1 credit of Elective English**
- **16 elective credits**

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48 credits total

South Winneshiek Community School
Graduation Requirements Checklist -- 48 credits required

- ☐ English I Semester I
- ☐ English I Semester II
- ☐ English II Semester I
- ☐ English II Semester II
- ☐ English Literature Course
- ☐ English Composition Course
- ☐ English Communication Course
- ☐ English Elective _____
- ☐ World History Semester I
- ☐ World History Semester II
- ☐ US History Semester I
- ☐ US History Semester II
- ☐ Economics
- ☐ US Government
- ☐ Math I Semester I _____
- ☐ Math I Semester II _____
- ☐ Financial Literature_____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____

- ☐ Math II Semester I _____
- ☐ Math II Semester II _____
- ☐ Math III Semester I _____
- ☐ Math III Semester II _____
- ☐ Science 9 Semester I
- ☐ Science 9 Semester II
- ☐ Biology Semester I
- ☐ Biology Semester II
- ☐ Science Elective Sem I _____
- ☐ Science Elective Sem II _____
- ☐ Health
- ☐ PE – Freshman Year
- ☐ PE- Sophomore Year
- ☐ PE – Junior Year
- ☐ PE- Senior Year
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____
- ☐ Elective _____

Policies & Procedures

Planning Schedules
Course offerings, staff assignments and the master schedule for the following school year are determined by students' initial course requests. Based on those requests some courses may not be offered in the "final" master schedule. Additionally, due to staff and time restraints, courses students request may be taught at the same time making it impossible for them to take every class they initially want.

Academic Load
To be on time for graduation students should earn 12 credits per year. Therefore, students must sign up for 6 academic classes one semester and 5 academic classes the other semester. Additionally, students will take PE the entire year. Keep in mind many students take more than this minimum required course load. If you use a Sports Option in lieu of PE you would need to earn 6 credits each semester to be on track for graduation.

Academic Advising
South Winneshiek CSD makes available a professional school counselor to assist students with their schedules. The counselor is available during limited hours in August and throughout the school year. Every attempt is made to meet with individual students concerning their schedule. However; if you require additional assistance please do not hesitate to ask.

Schedule Changes
All schedule changes are initiated through the counselor. Schedule changes for reasons other than inappropriate or incorrect course placement are kept to a minimum. All course changes are on a "space available" basis. Students may drop/switch a class during the first 5 days with teacher and counselor permission.

Dropping or Withdrawing from a course After Day 5 - 9 Weeks of Semester
Students may withdraw (drop) from a class during the first 9 weeks if it is deemed in the best interest of the student's academic progress with counselor, teacher and parent permission.

After 1st Qtr Grade Submission Deadline
After the first quarter grade submission deadline, students may drop a class with counselor, teacher, and parent permission and receive an F (Fail) on their quarter and semester grades.

Students who drop a course must still meet the academic load requirements.

Under extenuating circumstances, the principal and counselor may agree to administratively "withdraw" a student from a course. Students who are withdrawn will receive no grade, and it will not affect their GPA.

Retaking a Course
A student who earns an F in a course may retake the course. The new grade will be recorded as the grade for the course and will be included in computing the grade point average and class rank. The transcript will retain the course and title from the first effort.

Entrance to College
Please know that many colleges and universities have higher admission requirements than the graduation requirements from South Winneshiek. Students who intend to enroll in a 4-year college or university are encouraged to take rigorous course work and be in contact with your school of choice to determine entrance requirements. Please see the counselor if you have further questions.

College Courses
Students must maintain a minimum number of credits per semester; this may not allow them to drop a class without adding a class to meet these requirements. College classes are designed for students who are prepared to function as a college student. South Winn students who take college classes are to abide by the guidelines of that particular college.

Earn College Credits in High School!!

Iowa's **SENIOR YEAR PLUS** legislation allows students to earn college credit while in high school. More information on this legislation is available at the Iowa Department of Education website https://educate.iowa.gov/higher-ed/senior-year-plus.

*Courses must enhance the current curriculum, not supplant it

See the counselor for more information about Senior Year Plus rules.

Classes taught at South Winneshiek where students earn college credit are identified in this book with an *

Courses taught AT South Winneshiek that are Concurrent Credit:
Public Speaking Statistics
Composition I College Algebra
Composition II College Precalculus
Multicultural Literature Calculus I
College Experience

Courses taught at South Winneshiek via Zoom that are Concurrent Credit:
Certified Nursing Assistant (CNA)
Introduction to Nutrition
Dosage Calculations
Medical Terminology
Intro to Health Occupations
Healthcare Compliance
Medical Law and Ethics
Human Body: Health and Disease

Courses taught at NICC for South Winneshiek Students:
Maintenance Welding Construction Skills
Welding Fundamentals Job Seeking Skills
Computer Aided Design Basic Construction Skills
Basic Drafting

2025 RAI Core Course List

BOARD OF REGENTS STATE OF IOWA

IOWA STATE UNIVERSITY

University of Northern Iowa

THE UNIVERSITY OF IOWA

IOWA DEPARTMENT OF EDUCATION

Admission of freshmen to the Iowa Regent universities is based on the Regent Admission Index (RAI) formula described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

(3 x ACT composite score)
+ (30 x high school GPA)
+ (5 x number of years of high school core courses)

Regent Admission Index Score

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply.

Freshman applicants who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution.

SOUTH WINNESHIEK HIGH SCHOOL, CALMAR, CORE COURSES APPROVED FOR RAI

Source: 2024-2025 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)

English	Yrs*	Math	Yrs*	Science	Yrs*	Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*
American Characters	1	Algebra 1	1	Biology	1	20th-21st Century U.S. History Primary Source	0.5	American Sign Lang I [ASL131]	0.5		
College Prep Composition	0.5	Algebra 2	1	Chemistry	1	Current Issues	0.5	Spanish 1	1		
Communications	0.5	Calculus I [MAT210]	0.5	Environmental Science	1	Developmental Psychology [PSY121]	0.5	Spanish 2	1		
Composition I [ENG105]	0.5	College Algebra [MAT120]	0.5	General Biology I [BIO112]	1	Economics	0.5	Spanish 3	1		
Composition II [ENG106]	0.5	Geometry	1	General Biology II [BIO113]	1	Government	0.5	Spanish 4	1		
English 1	1	Pre-Calculus [MAT128]	0.5	Human Anat & Phys I [BIO168]	0.5	Intro to Philosophy [PHI101]	0.5	Spanish for Heritage Learners	1		
English 2	1	Probability & Statistics	0.5	Human Anat & Phys II [BIO173]	0.5	Intro to Psychology [PSY111]	0.5				
English 3	0.5	Statistics [MAT156]	0.5	Microbiology [BIO186]	0.5	Intro to Sociology [SOC110]	0.5				
Ind Literature	0.5	Trig/Math Analysis	0.5	Physics	1	Principles of Macroecon [ECN120]	0.5				
Multicultural Lit [LIT134]	0.5			Science 09	1	Principles of Microecon [ECN130]	0.5				
Public Speaking [SPC112]	0.5					Psychology of Human Relations [PSY112]	0.5				
						Sociology	0.5				
						U.S. History	1				
						U.S. History Since 1877 [HIS152]	0.5				
						World Civ I [HIS131]	0.5				
						World Geography	0.5				
						World History	1				
Total English		**Total Math**		**Total Science**		**Total Social Studies**		**Total World Languages**		**Total Computer Science**	

** The numbers in this column should be multiplied by 5 to determine the number of RAI points awarded for the course.*

Updated: 7/16/2025

High School Course Requirements

In addition to meeting the Regent Admission Index requirement, students must complete the minimum number of high school courses specified below for the institution to which they're applying.

Subject Area	Iowa State University	University of Iowa	University of Northern Iowa
English	4 years emphasizing writing, speaking and reading, as well as an understanding and appreciation of literature.	4 years, with an emphasis on the analysis and interpretation of literature, composition and speech.	4 years, including one year of composition, also may include one year of speech, communication or journalism.
Math	3 years, including at least two years of courses which emphasize elements of algebra, geometry and advanced algebra.	3 years, including algebra, geometry and advanced algebra. 4 years with the addition of pre-calculus for admission to the College of Engineering.	3 years, including the equivalent of algebra, geometry and algebra II.
Natural Science	3 years, including at least two years of courses which emphasize elements of biology, chemistry and physics.	3 years, including courses in physical science, biology, chemistry, environmental science and physics for admission to the Colleges of Liberal Arts and Sciences and Engineering. 3 years, with at least one year each in biology, chemistry and physics, for admission to the College of Nursing.	3 years, including courses in general science, biology, chemistry, earth science or physics. Laboratory experience is highly recommended.
Social Studies	2 years for admission to the Colleges of Agriculture and Life Sciences, Business, Design, Engineering, and Health and Human Sciences. 3 years for admission to the College of Liberal Arts and Sciences.	3 years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. 2 years for admission to the College of Engineering.	3 years, including courses in anthropology, economics, geography, government, history, psychology or sociology.
World Language	2 years of a single world language for admission to the Colleges of Engineering and Liberal Arts and Sciences.	2 years of a single world language are required for admission.	World language courses are not required for admission. However, two years of a world language in high school with a C- or above in the last term will meet the university graduation requirement.
Other Courses	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	2 years of additional courses from the required subject areas, world language or fine arts.

COURSE OFFERINGS

Agriculture

**Students are encouraged to be members of the FFA. All agriculture courses are open to males and females.

Intro to Agriscience (1st &/or 2nd sem)
Local Course Code: Fall - 69 Spring - 78 Open to: 9-12
Offered: Fall and Spring SCED Code: 18001G05001
Prerequisite: None Credits: 1 each semester

*Students can take this course as a semester or year; each semester is independent. This course is a CASE (*Curriculum For Agriculture Science Education) *Introduction course and recommended before taking other Ag Courses.* Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, food science and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning.

Animal Science
Local Course Code: Fall - 71 Open to: 10-12
Offered: Fall SCED Code: 18101G05011
Prerequisite: None Credits: 1

Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers. Areas of study include: History, Animal, Animal Handling and Safety, Cells and Tissues, Animal Nutrition, Animal Reproduction, Genetics, Animal Health, Animal Products, Selection, and Marketing. Through the labs each student will be able to learn more about specific large OR small animals that interest them. Its recommended students take Animal Science 1st semester before they take Animal Science 2nd semester.

Horticulture
Local Course Code: 70 Open to: 10-12
Offered: Spring SCED Code: 18052G05011
Prerequisite: Intro to Agriscience (one semester) Credits: 1

Horticulture is an introduction to the principles and practices in the development, production and use of horticultural crops (fruits, vegetables, greenhouse, turf, nursery, floral and landscape). This includes the classification, structure, growth and development, and environmental influences on horticultural plants, horticultural technology, and an introduction to the horticultural industries.

Food Safety

Local Course Code: 80 Open to: 11-12
Offered: Spring SCED Code: 18305G05001
Prerequisite: Intro to Agriscience (one semester) Credits: 1

Food Science and Safety is a specialization course in the CASE Program of Study. Students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. *Food Science and Safety* includes the following units of study: Introduction to Food Science, Chemistry of Food, Safety of Our Food, Food Processing Preservation and Packaging, Food Health and Security, Preference and Product Availability and Food Product Development.

Ag Mechanics and Structures Tech

Local Course Code: 76 Open to: 10-12
Offered: Fall SCED Code: 18401G10001
Prerequisite: Intro to Agriscience (one semester) Credits: 1

Agricultural Power and Technology is a foundation level course that will teach students about the fundamentals of agricultural mechanics. Students are immersed in inquiry-based exercises filled with activities, projects, and problems that focus upon the form and function of material, machines and tools used in agriculture. *Agricultural Power and Technology* areas of study include: Safety, Tool Operation, Materials Selection & Use, Fabrication, Energy & Power, Machines, Machinery Management, Engineering and Technology Applications.

Agricultural Engineering

Local Course Code: 338 Open to: 11-12
Offered: Spring SCED Code: 18201G05000
Prerequisite: AFNR & Power and Tech Encouraged Credits: 1

This course will include units in Computer Aided Drafting, Robotics and programming, Manufacturing, 3D Printing, Graphic Design and CNC Engraving. Throughout the course students will create a business plan to run and create a manufacturing business based on students' individual area of interest.

Veterinary Science

Local Course Code: 360 Open to: 10-12
Offered: Spring SCED Code: 18105G05000
Prerequisite: Intro to Agriscience (one semester) Credits: 1

Through this course, students will explore vet science through various units which explore the information about the causes, diagnoses, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics include but are not limited to anatomy & physiology, nutrition, behavior, and reproduction as well as veterinary terminology.

Natural Resources

Local Course Code: 374 Open to: 10-12
Offered: Fall SCED Code: 18504G05000
Prerequisite: Intro to Agriscience (one semester) Credits: 1

If you enjoy the outdoors and critters of the outdoors, this is the class for you! Wildlife is a very important part of our natural world. This course explores the history of wildlife, their populations, habitats, diseases, and protection. We will study anatomy and physiology, nutrition and feeding. Units will also include hunting, fishing, and trapping. Ethics, regulations, and outdoor recreation, econ-systems, habitats, citizen responsibilities will be discussed. Guest speakers, labs, and a field trip, which students will help to organize will be utilized to make important connections with material taught in the classroom. There will be time spent focusing on the FFA and the ways in which students can turn their interest in wildlife into a valuable extracurricular experience.

Landscape

Local Course Code: 375 Open to: 10-12
Offered: Fall SCED Code: 18054G05000
Prerequisite: Intro to Agriscience (one semester) Credits: 1

The Landscape/Nursery course is for those students who love plant materials used in landscaping residential homes, schools, government buildings and businesses. Students will be able to identify ornamental grasses, vines, ground covers, shrubs and trees commonly used in Iowa landscaping situations. Students will study the environmental requirements needed for good plant establishment and growth. Computer technology will be used to make several landscape plans using the principles of landscaping. Establishing, maintaining and renovating lawns will also be studied. Students will practice what they have learned through or by completing landscaping projects.

***Farm Business Management**

Local Course Code: 341 Open to: 11-12
Offered: Fall SCED Code: 18202C05000
Prerequisite: Agribusiness Management Credits: 1
NICC Course Code: AGB330 NICC Credits: 3

During this course students will explain business and economic principles of decision making and problem solving in the management of a farm business. Outlines cash flow, partial, enterprise, and whole farm budgeting. Reviews information systems for farm accounting, analysis, and control. Reviews obtaining and managing land, capital, and labor resources. Discusses alternatives for farm business organization and risk management.

Art

Introduction to Art

Local Course Code: 6 Open to: 9-12
Offered: Fall SCED Code: 05154G05001
Prerequisite: None Credits: 1

This class is a building block for the other art courses. The course goal is to strengthen perceptual awareness and cognitive skills through sensory experiences. Students will develop skills in drawing, pottery, and painting. Along with developing skills the students will also develop proficiency in terminology, techniques and concepts related to areas of art.

Drawing

Local Course Code: 7 Open to: 9-12
Offered: Spring SCED Code: 05156G05011
Prerequisite: Intro to Art Credits: 1

This course allows students to increase their skill and understanding in the two-dimensional area. They will have continued work in still life, landscape, figure, portrait, and perspective drawing. Materials used include pencil, colored pencils, pen, charcoal and pastel.

Drawing II

Local Course Code: 141 Open to: 10-12
Offered: Spring or Fall SCED Code: 05155G05000
Prerequisite: Drawing Credits: 1

Requirements are completion of Drawing I and instructor approval. This course is for those students who wish to continue exploring and advancing their skills in the drawing mediums. Class projects will be student designed with instructor input.

Painting

Local Course Code: 8 Open to: 9-12
Offered: Spring SCED Code: 05157G05011
Prerequisites: Intro to Art & Drawing Credits: 1

In this course the students will gain an understanding and awareness in acrylic painting. The students will develop a proficiency in terminology and techniques in these mediums. The students will also study the role of painting in history and the roles of the artists. Students will strengthen their perceptual awareness and cognitive skills through sensory experiences.

Painting II

Local Course Code: 392 Open to: 10-12
Offered: Fall and Spring SCED Code:05155G05012
Prerequisites: Painting Credits: 1

Requirements are completion of Painting I and instructor approval. This course is for those students who wish to continue exploring and advancing their skills in the painting mediums. Class projects will be student designed with instructor input.

Studio Art

Local Course Code: 13 Open to:10-12
Offered: Spring SCED Code: 05158G05011
Prerequisite: Intro to Art (recommended) Credits: 1

Students in studio art will learn the skills, concepts and techniques that they need to express themselves as visual artists and become independent thinkers in their art. Students will experiment with carried media such as painting, casting, mixed media, sculpture, printmaking, recycled art and more. Students will build knowledge and skills in the following art history, art criticism, aesthetics, understanding of art concepts, and the principals and elements of art.

Pottery

Local Course Code: 12 Open to: 10-12
Offered: Fall SCED Code: 05159G05021
Prerequisite: Intro to Art (recommended) Credits: 1

In this course students will be creating 3D pieces of art. The students will develop a proficiency in terminology, proper tool care, equipment safety, and techniques in clay making. The students will develop an understanding of art concepts and aesthetic response. They will also develop an understanding of the role of pottery in history, and cultures. They will achieve this by learning about the history of pottery in the Greek and Mimbres culture. They will understand this by creating pottery pieces that replicate those cultures' art. During this course students will create wheel throws as well as hand built pieces and learn the functions of the kiln and glaze techniques.

Advanced Art

Local Course Code: 14 Open to: 11-12
Offered: Fall SCED Code: 05197G05011
Prerequisite: Intro to Art, Drawing and either Painting or Pottery Credits: 1

This class is for advanced art students. It is designed to give students a more in depth focus in art. The students will have projects that increase their skills and awareness of different mediums of art. In this class the students will have instruction in drawing, painting, pottery & mixed media.

Digital Media Art

Local Course Code: 357 Open to: 9-12
Offered: Fall SCED Code: 05169G05011
Prerequisite: none Credits: 1

Digital media is a class designed to focus on the creative uses of digital technology. Students will incorporate art and technology to produce various artworks. Students will explore digital media artists and careers in this field. This class will use graphic design programs, digital photos, other technology,

and art mediums to create projects.

Business Education

Computer Applications

Local Course Code: 16 — Open to: 9-12
Offered: Fall — SCED Code: 10004G05010
Prerequisite: None — Credits: 1

Computer Applications covers a variety of topics. Students will acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including but not limited to word-processing, spreadsheet, graphics, and database programs. They may also cover the use of document formatting and desktop publishing, as well as, web design and coding.

Accounting I

Local Course Code: 19 — Open to: 11-12
Offered: Fall — SCED Code: 12104G05010
Prerequisite: None — Credits: 1

Basic accounting principles are presented to introduce beginning students to fundamental accounting concepts. 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 concerns. All aspects of the industry are highlighted in this course as well (planning, management, finance, technical skills, technology, labor issues, health and safety, leadership, and environmental issues).

Accounting II

Local Course Code: 20 — Open to: 11-12
Offered: Spring — SCED Code: 12104G05020
Prerequisite: Accounting I — Credits: 1

Accounting II is the sequel to Accounting I and continues to provide students with the opportunity to apply his/her skills to real life accounting activities. The semester then continues with study of special journals, payroll, acquisition of plant assets, depreciation of plant assets, inventories, accounting for accrued items, and using a petty cash system. All aspects of the industry are highlighted in this course as well (planning, management, finance, technical skills, technology, labor issues, health and safety, leadership, and environmental issues).

Introduction to Business

Local Course Code: 36 Open to: 9-12
Offered: Year SCED Code: 12051G10000
Prerequisite: None Credits: 2

In this course the students will be exposed to various aspects of the business world. Such topics to be discussed/exposed to are: marketing, management, economics, accounting, finance, business law, and secretarial business. The students will also be exposed to various careers in business. There will be hands-on activities, field trips, and case studies during this course. All aspects of the industry are highlighted in this course as well (planning, management, finance, technical skills, technology, labor issues, health and safety, leadership, and environmental issues).

Publications

Local Course Code: 10 Open to: 9-12
Offered: Year SCED Code: 12993G05000
Prerequisite: None Credits: 2

Students can take this course as a semester or year; each semester is independent.
This class is responsible for the production of the school yearbook. Through instruction in this course, the student will learn how to operate a digital camera, use various computer software programs, become familiar with the materials needed to prepare a publication, arrange eye-appealing materials, create and format various business documents, and learn to work with his/her peers in a dependable, responsible manner. Students will produce at least five increasingly complex publications, namely: personal résumé, one-page flyer, multi-page booklet, a brochure, and a one-page tabloid newspaper that is written and set up completely by the student. All aspects of the industry are highlighted in this course as well (planning, management, finance, technical skills, technology, labor issues, health and safety, leadership, and environmental issues). **This course may be taken for credit multiple years.

Computer Science

Principles of Robotics

Local Course Code: 358 — Open to: 9-12
Offered: Year — SCED Code: 10156G10000
Prerequisite: none — Credits: 2

The Principles of Robotics course provides students with an understanding of the engineering/technology field. Students explore how engineers use various technology systems and manufacturing processes to solve problems. Students will learn how to control mechanical processes using computer software and hardware. The software communicates through a hardware interface with different inputs and outputs. Students will be working with ROBOTC; ROBOTC is developed specifically for classrooms and competitions. ROBOTC programming is a key component of industry-standard programming languages with a combination of C++, Java, and real-time debugger. Through problems that engage and challenge, students explore a broad range of engineering problems. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Construction

Intro To Construction
Local Course Code: 345 — Open to: 9-10
Offered: Year — SCED Code: 17001G10000
Prerequisite: none — Credits: 2

Class will emphasize shop safety and practical applications of construction. Students will gain a better understanding of skills, knowledge, and abilities required to be successful in the construction industry.

Construction Fundamentals
Local Course Code: 347 — Open to: 10-12
Offered: Fall — SCED Code: 17002G05010
Prerequisite: none — Credits: 1

Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

These two courses MUST be taken at the same time-each a quarter in length-same mod
Class size limited to 16 students

***Basic Drafting**
Local Course Code: 346 — Open to: 10-12
Offered: Fall — SCED Code: 21102C02500
Prerequisite: None — Credits: 0.668
NICC Course Code: CON111 — NICC Credits: 2

Fundamental knowledge of the principles of drafting equipment, lettering, freehand orthographic and pictorial sketching, and orthographic instrument drawing. Includes lettering, dimensioning, symbols, conventions, sections, and details.

***Job Seeking Skills**
Local Course Code: 348 — Open to: 10-12
Offered: Fall — SCED Code: 22152C02500
Prerequisite: None — Credits: 0.334
NICC Course Code: SDV135 — NICC Credits: 1

Students learn to assess personal strengths, develop job leads, complete applications, prepare resumes and letters, and use successful employment interviewing techniques.

***Intro to Computer Aided Design (CAD)**

Local Course Code: 350 — Open to: 10-12
Offered: Spring — SCED Code: 21107C05000
Prerequisite: None — Credits: 1
NICC Course Code: CAD172 — NICC Credits: 2

This class will provide a draftsperson with essential information about computer graphics, practice exercises to prepare for design station activity, and numerous "hands on" exercises. The goal is to gain sufficient skill to construct computer drawings while inputting construction geometry into computer memory and retrieving the information for use in design, drafting, and/or production activities.

***Basic Construction Skills**

Local Course Code: 351 — Open to: 10-12
Offered: Spring — SCED Code: 17002C05020
Prerequisite: None — Credits: 1
NICC Course Code: CON388 — NICC Credits: 2

Provides basic background to the construction industry. Students gain a better understanding of the skills, knowledge, and abilities required to be a successful crafts person. This course incorporates an in-depth review of OSHA Safety Rules designed to familiarize students with National Safety Standards for residential and commercial construction.

These two courses MUST be taken at the same time

***Maintenance Welding**

Local Course Code: 365 — Open to: 10-12
Offered: Fall and Spring — SCED Code: 13207C02510
Prerequisite: None — Credits: 0.5
NICC Course Code: WEL119 — NICC Credits: 1

Basic welding techniques, brazing, soldering, and types of welds needed in the industrial maintenance field, including the use of oxyacetylene and electric welding equipment. This course is limited to 8 students.

***Welding Fundamentals**

Local Course Code: 366 — Open to: 10-12
Offered: Fall and Spring — SCED Code: 13207C02520
Prerequisite: None — Credits: 0.5
NICC Course Code: WEL330 — NICC Credits: 1

Use of oxyacetylene and electric arc welding equipment to make different types of welds required to repair or fabricate items. Experience in various techniques of welding, brazing, and soldering. This course is limited to 8 students.

English – 8 credits required

General English Courses (4 credits required)

English I

Local Course Code: 5 Open to: 9
Offered: Year – Required for 9th graders SCED Code: 01001G10000
Prerequisite: None Credits: 2

English I is a year-long class that includes reading selected story units of fiction, nonfiction, poetry, drama, and essays. These selections serve as the focus for class assignments for discussion, writing, vocabulary, speaking, listening and testing.

This class also builds and strengthens basic skills in English. Process writing will be the approach followed with an emphasis on sentence and paragraph development, expressive writing, writing for an audience, and the identification and use of correct grammar and mechanics.

English II

Local Course Code: 22 Open to: 10
Offered: Year – Required for 10th graders SCED Code: 01002G10000
Prerequisite: None Credits: 2

The first semester of this yearlong class will expose students to a variety of classic novels and plays and will enable them to better interpret and analyze the written word. Vocabulary, finding central ideas, drawing inferences, and better understanding literary analysis will be part of this class. Responding to literature through literary essays will be stressed throughout the semester.

The second semester of this year-long class will emphasize the process approach to writing and further develop the students' literary analysis skills. Utilizing prewriting, drafting, conferencing, revision, and editing, writers will move from experience-based writing to writing compare/contrast essays, literary analysis, and informative research reports. Vocabulary, mechanics, punctuation, reading, and speaking are also integrated in the process approach to writing.

Literature Courses (1 credit required)

Second Chance Reading
Local Course Code: 27 Open to: 9
Offered: Year SCED Code: 01067B10000
Prerequisite: None Credits: 2

This course, open to all students, is designed to help struggling readers improve their reading skills through vocabulary work, read/think alouds, and independent reading. Second Chance Reading is required for IEP students with a Reading Goal. Data from the Diagnostics of iReady, MAPs testing, ISASP (Iowa Statewide Assessment of Student Progress) along with teacher recommendations will be used to determine students who need to take Second Chance Reading.

Novels
Local Course Code: 31 Open to: 9-12
Offered: Fall SCED Code: 01053G05000
Prerequisite: None Credits: 1

Novels is a reading course that is intended to improve students' vocabulary, critical-thinking and analysis skills, and comprehension level. This course will include class readings of book length fiction and nonfiction, with a focus on literary skills, time-management, and strategies for improving comprehension and understanding and evaluating the important points of a text.

American Character I
Local Course Code: 53 Open to: 11-12
Offered: Fall SCED Code: 01054G05010
Prerequisite: None Credits: 1

This is a one-semester course in American Literature built on a chronological format that traces American Literature from its roots in England through its progress to 1890. Representative authors will include Edgar Allan Poe, Ralph Waldo Emerson, Henry David Thoreau, Flannery O'Connor, Arthur Miller, Frederick Douglas and others.Analysis, interpretation of the literature will be emphasized along with discussion and writing skills. Learning to speak and write about literature is a goal of this class. The class is taught through essay tests, discussions, group work and conferences.

American Character II
Local Course Code: 55 Open to: 11-12
Offered: Spring SCED Code: 01054G05020
Prerequisite: None Credits: 1

This is a one-semester course that continues a chronological examination of American literature from approximately 1890 to the present. Modern American literature will include fiction (F. Scott Fitzgerald, Ernest Hemingway, Charlotte Perkins Gilman, etc.), poetry (Emily Dickenson, Carl Sandburg, Robert Frost, T. S. Eliot, Langston Hughes, Claude McKay, etc.), and nonfiction (John Steinbeck, James Baldwin, Zora Neale Hurston, etc.).Analyzing, interpreting, and discussing literature will be emphasized. Learning to speak and write about literature is a goal of this class and is taught through essay tests, discussions, and group work. (Students do not have to take Am. Character I as a pre-requisite for this class.)

***Multicultural Literature**

Local Course Code: 37 Open to: 12
Offered: Spring SCED Code: 01064C05000
Prerequisite: Comp I with a minimum grade of a C- Credits: 1
NICC Course Code: LIT:134 NICC Credits: 3

Multicultural Literature explores, through a variety of genres, a wide range of cultural and ethnic voices. Students will read, discuss, and critique materials from authors who represent diverse ethnic, racial, and cultural populations. Emphasis centers on the assessment and appreciation of the strengths and values that cultural diversity brings to our communities.

Composition Courses (1 credit required)

English 3

Local Course Code: 26 Open to: 11-12
Offered: Fall SCED Code: 01003G05011
Prerequisite: English II Credits: 1

This one-semester course supports continued development of skills central to the writing process. Students will study conventions, vocabulary, and stylistic elements of writing through persuasive, informative, analytical, reflective and compare/contrast writing. Assignments include (but are not limited to) summary/response writing, a literary analysis essay, and a research paper. Placement in this course may be based on teacher recommendation.

College Prep Composition

Local Course Code: 25 Open to: 11-12
Offered: Spring SCED Code: 01102G05010
Prerequisite: English II Credits: 1

This semester elective is recommended for all college-bound students; it is a prerequisite to College Composition 1. Emphasis is on nonfiction writing and logical thinking. Students will learn to formulate and support a thesis, to investigate and write about areas of interest, and to evaluate their own writing so as to revise and improve. Students will study vocabulary, conventions, and stylistic elements essential for effective communication. In addition, students will practice summary/response, persuasive writing, informative writing, and evaluative writing assignments. Placement in this course may be based on teacher recommendation.

***Composition I**

Local Course Code: 30 Open to: 12
Offered: Fall SCED Code: 01103C05021
Prerequisite: College Prep Comp with a grade of C and GPA of 2.8 or better Credits: 1 Or
Accuplacer Writing Score of 5 Or ACT ENG 19 NICC Credits: 3
NICC Course Code: ENG:105

A college-level writing course that prepares the student for the types of communication and thought essential to academic and working-world success. This course focuses on writing as a process and is intended to help identify and refine personal writing through persuasive, informative, research, and summary/response writing assignments. All research will be in MLA format.

***Composition II**

Local Course Code: 179 Open to:12
Offered: Spring SCED Code: 01103C05022
Prerequisite: Comp I with a grade of C- or better Credits: 1
NICC Course Code: ENG:106 NICC Credits: 3

A college-level writing course that focuses on writing as a process with emphasis on research. Students will use APA documentation and investigate one topic for the entire semester, writing multiple papers of analyses, persuasion and investigation. Both primary and secondary research will be explored and employed.

Communication Courses (1 credit required)

Communications

Local Course Code: 24 Open to: 9-12
Offered: Spring SCED Code: 01155G05000
Prerequisite: None Credits: 1

Communications focuses on the application of written and oral communication skills through a variety of formal and informal experiences. The course is performance-based and emphasizes effective interpersonal, team-building, persuasive speaking, and media communication skills. Communications may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, ethical practices, and stylistic choices.

***Public Speaking**

Local Course Code: 28 Open to :11 - 12
Offered: Fall SCED Code: 01151C05000
Prerequisite: None Credits: 1
NICC Course Code: SPC:112 NICC Credits: 3

An introductory speech course emphasizing actual speaking experiences with practice in choosing subjects, analyzing audiences, and preparing and delivering a variety of extemporaneous speeches. This course also focuses on responsible and ethical use of research.

Financial Literacy

Financial Literacy

Local Course Code: 87 Open to: 12
Offered: Fall or Spring – 1 Semester Required for 12th graders SCED Code: 12103G05000
Prerequisite: None Credits: 1

Beginning in 2019-20 school year, all high school graduates in the state of Iowa must complete a financial literacy to meet graduation requirements. This course will cover the following topics: • Savings, including emergency fund, purchases, and wealth building. Understanding investments, including compound and simple interest, liquidity diversification, risk return ratio, certificates of deposit, money market accounts, single stocks, bonds, mutual funds, rental real estate, annuities, commodities, and futures.

- Wealth building and college planning, including long-term and short-term investing using tax favored plans, individual retirement accounts and payments from such accounts, employer sponsored retirement plans and investments, public and private educational savings accounts, and uniform gifts and transfers to minors.

- Credit and debt, including credit cards, payday lending, rent-to-own transactions, debt consolidation, automobile leasing, cosigning a loan, debt avoidance, and the marketing of debt, especially to young people.

- Consumer awareness of the power of marketing on buying decisions including zero percent interest offers; marketing methods, including product positioning, advertising, brand recognition, and personal selling; how to read a credit report and correct inaccuracies; how to build a credit score; how to develop a plan to deal with creditors and avoid bankruptcy; and the federal Fair Debt Collection Practices Act.

- Financial responsibility and money management, including creating and living on a written budget and balancing a checkbook; basic rules of successful negotiating and techniques; and personality or other traits regarding money.

- Insurance, risk management, income, and career decisions, including career choices that fit personality styles and occupational goals, job search strategies, cover letters, resumes, interview techniques, payroll taxes and other income withholdings, and revenue sources for federal, state, and local governments.

- Different types of insurance coverage including renters, homeowners, automobile, health, disability, long-term care, identity theft, and life insurance; term life, cash value and whole life insurance; and insurance terms such as deductible, stop loss, elimination period, replacement coverage, liability, and out-of-pocket.

- Buying, selling, renting advantages/disadvantages relating to real estate, including adjustable rate, balloon, conventional, government-backed, reverse and seller-financed mortgages.

Foreign Language

Spanish I

Local Course Code: 32 Open to: 9-10
Offered: Year SCED Code: 24052G10000
Prerequisite: None – 11th & 12th graders need prior approval to enroll Credits: 2

This introductory course is designed to provide students with a first exposure to foreign-language learning. In lieu of a traditional, grammar-based textbook, the curriculum is comprehension-based and proficiency-oriented with a focus on the communicative functions of language (reading, writing, listening, and speaking). Students will be assessed based on the American Council for Teachers of Foreign Language (ACTFL) standards in the Interpretive, Interpersonal, Presentational and Cultural modes. The primary method of instruction will be TPRS (Teaching Proficiency Through Reading and Storytelling) with an emphasis on acquiring grammar in context and including authentic resources (songs, commercials, world news, short films, etc.) to encourage natural output (writing and speaking) from students. Classes will be conducted in a combination of Spanish and English. Students will be required to keep an "interactive notebook" throughout the year; notebooks will be supplied by the teacher. The goal for this course is for students to progress from the first level of language proficiency (Novice Low) to the second level (Novice Mid). *Note for college-bound students: Although Spanish is not a graduation requirement at South Winneshiek High School, it is highly recommended by most four-year universities that students have at least two (2) years of foreign language experience. Students who take all four years of Spanish and perform at a high level may be eligible to "test out" of their college language requirements.*

Spanish II

Local Course Code: 33 Open to: 10-11
Offered: Year SCED Code: 24053G10000
Prerequisite: Grade of at least C in Spanish I Credits: 2
11th & 12th graders need prior approval to enroll

Spanish II is designed to consolidate and expand upon the communicative proficiencies attained in Spanish I. There will be a continued emphasis on comprehension-based, proficiency-oriented learning and instruction (refer to the course description for Spanish I for details). Students will be introduced to the past tense. As with Spanish I, students will be required to keep an "interactive notebook" throughout the year; notebooks will be supplied by the teacher. Classes will be conducted in Spanish with explanations in English as needed. Students will be expected to progress from Novice Mid to Novice High language proficiency. *Note for college-bound students: Although Spanish is not a graduation requirement at South Winneshiek High School, it is highly recommended by most four-year universities that students have at least two (2) years of foreign language experience. Students who take all four years of Spanish and perform at a high level may be eligible to "test out" of their college language requirements.*

Spanish III

Local Course Code: 34 Open to: 11-12
Offered: Year SCED Code: 24054G10000
Prerequisite: Grade of at least C in Spanish II Credits: 2

Spanish III is a continuation of the work begun in Spanish II. The course is taught using comprehensible input (CI) methods (see Spanish I course description for details). Students will continue to expand upon their skills in speaking, listening, reading, and writing in the past and present tense. Also included in this course will be guided reading of short novels, as well as an introduction to Spanish film. Classes will be conducted almost exclusively in Spanish. Students will be expected to progress from Novice High to Intermediate Low language proficiency. *Note for college-bound students: Although Spanish is not a graduation requirement at South Winneshiek High School, it is highly recommended by most four-year universities that students have at least two (2) years of foreign language experience. Students who take all four years of Spanish and perform at a high level may be eligible to "test out" of their college language requirements.*

Spanish IV

Local Course Code: 35 Open to: 12
Offered: Year SCED Code: 24055G10000
Prerequisite: Grade of at least C in Spanish III Credits: 2

This course is a continuation of the work begun in Spanish III. Almost all discussions and written work will be conducted in Spanish. As with previous levels of Spanish, this course is taught using comprehensible input (CI) methods (see Spanish I course description for details). Over the course of the year, students will progress from guided reading to FVR (Free Voluntary Reading) of short stories and novels. Students will be expected to advance from Intermediate Low to Intermediate Mid language proficiency as defined in the ACTFL guidelines. *Note for college-bound students: Although Spanish is not a graduation requirement at South Winneshiek High School, it is highly recommended by most four-year universities that students have at least two (2) years of foreign language experience. Students who take all four years of Spanish and perform at a high level may be eligible to "test out" of their college language requirements.*

Health (1 credit required)

Health I

Local Course Code: 54 — Open to: 9-10
Offered: Fall or Spring — SCED Code: 08051G05010
Prerequisite: None — Credits: 1

The Health class covers the following areas:

1. Three areas of Health (physical, mental, and social)
2. Nutrition, exercise and eating disorders
3. Sexual Harassment, Harassment and bullying
4. Mental/Emotional Health
5. Stress and stress management
6. Use and abuse of tobacco/vaping, alcohol and numerous other drugs
7. Communicable and non-communicable diseases, including STD's
8. Types of families and family life
9. Reproduction and the growth and development process
10. Promoting Safe & Healthy Relationships

Health II

Local Course Code: 135 — Open to: 10-12
Offered: Fall — SCED Code: 08052G05020
Prerequisite: Health I — Credits: 1

This course will include the following in addition to refreshers on Health 1 related topics. *Current/New trends in health
*Consumer health
*Diet/Workout trends in athletics
*Extended family research
*Human body systems/anatomy
*CPR certification
*Environmental health

Health Care

Note: These courses are taught via Zoom. South Winneshiek is limited to 5 students per class. Sometimes we have the opportunity to use seats of other schools.

***Introduction To Health Occupations**

Local Course Code: 229 — Open to: 10 - 12
Offered: Fall via Zoom — SCED Code: 14002C05000
Prerequisite: None — Credits: 1
NICC Course Code: HSC:110 — NICC Credits: 3

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

***Medical Law and Ethics**

Local Course Code: 228 — Open to: 10 - 12
Offered: Fall Online — SCED Code: 14003C01100
Prerequisite: None — Credits: .5
NICC Course Code: MAP:401 — NICC Credits: 1

This course will provide the student with the legal and ethical implications of practice in a medical setting. Issues covered will include scope of practice, confidentiality, HIPAA privacy and security requirements, legal terms and elements in the delivery of care, ethical guidelines of practice, and legal documentation requirements. *Required course for:* Medical Assistant

***Healthcare Compliance**

Local Course Code: 227 — Open to: 12
Offered: Spring — SCED Code:14063C01200
Prerequisite: None — Credits: .5
NICC Course Code: HSC:200 — NICC Credits: 1

The purpose of this course is designed to meet the compliance requirements for students entering nursing and allied health programs. This course is divided into units covering the compliance areas of Health Insurance Portability and Accountability Act (HIPAA), Bloodborne Pathogens, Healthcare Provider CPR (Basic Life Support), Basic First Aid and Child and Dependent Adult Mandatory Reporter.

***Medical Terminology**

Local Course Code: 148 — Open to :11 - 12
Offered: Fall via Zoom — SCED Code: 14154C10010
Prerequisite: None — Credits: 1
NICC Course Code: HSC114 — NICC Credits: 3

The study of medical terminology as the language of medicine with emphasis on word analysis, construction of definitions, pronunciation and spelling of medical terms.

These two courses MUST be taken at the same time!

***Nutrition**

Local Course Code: 231 — Open to: 11 - 12
Offered: Spring via Zoom — SCED Code: 14254C05020
Prerequisite: None — Credits: 0.668
NICC Course Code: PNN:270 — NICC Credits: 2

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.

***Dosage Calculations**

Local Course Code: 232 — Open to: 11 - 12
Offered: Spring via Zoom — SCED Code: 14051C02011
Prerequisite: Accuplacer Scores — Credits: 0.334
NICC Course Code: PNN:200 — NICC Credits: 1

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.

***Human Body: Health and Disease**

Local Course Code: 226 — Open to: 12
Offered: Spring Online — SCED Code: 14999C03300
Prerequisite: C-or better in Med Term and C-or better in Human A & P — Credits: 1
NICC Course Code: MAP:532 — NICC Credits: 3

The study of the human body relating to disease processes and treatment options. Includes an overview of drug categories in the treatment of diseases. *Required course for:* Medical Assistant

***Certified Nursing Assistant (CNA) - Sim IRC**

Local Course Code: 230 — Open to: 10 - 12
Offered: Fall & Spring - via Zoom — SCED Code: 14051C05020
Prerequisite: Accuplacer Scores — Credits: 1
NICC Course Code: HSC:172 — NICC Credits: 3

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 lectures 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 environment. Upon successful completion of this course students will be eligible for state licensing and can test out of skills. If taking the course you must be 16 years of age by the start of clinical work.

Mathematics (6 credits required)

It is recommended that a student should earn a C average in a math class before they advance to go to the next level math class. With that criterion in mind and with the need for each student to meet the requirements of the Iowa Core Curriculum the following pathways are suggested:

Path 1: For students who successfully completed Algebra I in 8th grade.
- 9th: Geometry
- 10th: Algebra II
- 11th: Non-College level trig/pre-calc/stats or College Algebra/College Precalculus
- 12th: (optional elective math)

Path 2: For all other incoming 9th grade students.
- 9th: Algebra I
- 10th: Intermediate Algebra or Geometry (based on 9th grade Algebra grades)
- 11th: Geometry or Algebra II (based on 10th grade math class)
- 12th: (optional elective math)

Path 3: For students who struggle with math.
- 9th: Algebra I
- 10th: Intermediate Algebra
- 11th: Basic Geometry
- 12th: (optional elective math – could be Geometry or Algebra II)

***Iowa Core mandates completion of a Geometry course for graduation (Geometry or Basic Geometry).**

Pre-Algebra

Local Course Code: 9 — Open to: 9
Offered: Year — SCED Code: 02051G10000
Prerequisite:*Teacher Recommendation — Credits: 2

Pre-Algebra increases students' foundational math skills and prepares them for Algebra I by covering a variety of topics, such as properties of rational numbers, ratio, proportion estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas and solving first degree equations and inequalities.

Algebra I

Local Course Code: 4 Open to: 9
Offered: Year SCED Code: 02052G10000
Prerequisite: none Credits: 2

Primarily a course that deals in the real number system. It is designed to familiarize students with the science of equations by using the concepts of arithmetic and translating them by using symbols and letters to represent specific sets of number values. Algebra I is a prerequisite to Geometry and Algebra II, and relates to solving problems in everyday life. 8th graders don't receive high school credit when taking Algebra I.

Intermediate Algebra

Local Course Code: 216 Open to: 10-12
Offered: Year SCED Code: 02055G10000
Prerequisite: none Credits: 2

This course will review and reinforce some concepts from Algebra I needed for successful completion of geometry. Concepts from Algebra II such as; methods for solving quadratics, graphing conics, logarithms, and trigonometry, will be introduced to prepare students for eventual completion of Algebra II.

Basic Geometry

Local Course Code: 45 Open to: 10-12
Offered: Year SCED Code: 02071G10000
Prerequisite: IEP Math Goal Required or Teacher Recommendation Credits: 2

This course is less rigorous than the traditional Geometry course and may not meet some 4-year universities' Geometry requirements. The Basic Geometry course emphasizes a practical approach to the study of geometry and de-emphasizes an abstract, formal approach. Topics typically include properties of work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Geometry

Local Course Code: 43 Open to: 9-12
Offered: Year SCED Code: 02072G10010
Prerequisite: Grade of C in HS Algebra I or Intermediate Algebra or Basic Geometry or with teacher approval Credits: 2

An integrated course of plane, solid and coordinate Geometry with these objectives: To develop the power to visualize geometric figures while building knowledge of their properties and relationships, to understand and use the deductive method, to use algebraic skills, to experience the stimulation and satisfaction that comes from clear and creative thinking.

Algebra II

Local Course Code: 44 Open to: 10-12
Offered: Year SCED Code: 02056G10011
Prerequisite: C or better in Geometry or with teacher approval Credits: 2

This course reinforces the concept of Algebra I and Geometry and gives a more thorough understanding of the structure of real and complex number systems, of the graphic representation, and the function concept. Also includes the study of topics such as logarithms, and basic trigonometry. Gives opportunities to recognize techniques of Algebra, to acquire application skills, to appreciate the need for precision of language used.

Probability and Statistics

Local Course Code: 42 Open to: 10-12
Offered: Fall SCED Code: 02201G05000
Prerequisite: Geometry or Basic Geometry Credits: 1

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

Trig/Math Analysis

Local Course Code: 46 Open to: 11-12
Offered: Spring SCED Code: 02105G10000
Prerequisite: Algebra II Credits: 2

This course combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for college math classes. This course is a high school math option that would follow Algebra II.

***Statistics**

Local Course Code: 98 Open to: 12
Offered: Fall SCED Code: 02205C05011
Prerequisite: ALEKS 45 or C or better in Algebra II with a 2.8 GPA Credits: 1
NICC Course Code: MAT: 156 NICC Credits: 3

This course is an introduction to the basic methods of statistical reasoning. The course will help the student develop the ability to summarize data, interpret data and draw conclusions based on the data. It is strongly recommended that students purchase a TI-83 or TI-84 graphing calculator.

***College Algebra**

Local Course Code: 242 — Open to: 11-12
Offered: Fall — SCED Code: 02056C05021
Prerequisite: ALEKS 45 or C or better in Algebra II with a 2.8 GPA — Credits: 1
NICC Course Code: MAT120 — NICC Credits: 3

Assists in formalizing previously developed algebraic concepts and demonstrates further concepts and techniques necessary for subsequent study in mathematics. Topics include algebraic operations, exponents, radicals, logarithms, solution of linear and quadratic equations, systems of equations, determinants, complex numbers, inverse functions, graphing and other topics of advanced algebra. It is strongly recommended that students purchase a TI-83 or TI-84 graphing calculator.

***College Precalculus**

Local Course Code: 149 — Open to: 11-12
Offered: Spring — SCED Code: 02110C05000
Prerequisite: ALEKS 60 & C or better in College Algebra — Credits: 1.334
NICC Course Code: MAT128 — NICC Credits: 4

Prepares students for calculus. Precalculus studies the nature of elementary functions and their role in mathematics by integrating a combination of algebra and trigonometry. Topics include the real number system, functions, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities, analytic trigonometry, systems of equations, and matrices. It is strongly recommended that students purchase a TI-83 or TI-84 graphing calculator.

***Calculus**

Local Course Code: 51 — Open to: 12
Offered: Spring — SCED Code: 02121C05000
Prerequisite: ACT ALEKS 75 & C or better in Pre-Calc — Credits: 1.334
NICC Course Code: MAT:210 — NICC Credits: 4

Students will gain an understanding of calculus, analytical geometry and differentiation; and applications of the analytic geometry and differentiation. It is strongly recommended that students purchase a TI-83 or TI-84 graphing calculator.

Music

Choir

Local Course Code: 48 Open to: 9 -12
Offered: Year SCED Code: 05110G10000
Prerequisite: none Credits: 2

The choir program is designed to give students experience in performing quality choral literature while learning about: music theory, choral music, music history and music technology. Individual and small group lessons are required. Students will be given the opportunity to participate in solo or small group singing opportunities. A select, auditioned Show Choir will be chosen every year. All students in Show Choir MUST be in Concert Choir.

Band

Local Course Code: 47 Open to: 9-12
Offered: Year SCED Code: 05101G10000
Prerequisite: previous band experience or instructor approval Credits: 2

The Instrumental Music program is designed to acquaint students with various styles of music, to teach reading and understanding of music notation, and to help students better express themselves musically. Students participate in concert band, marching band, private lessons, as well as having the opportunity to be in solo and ensemble contest, jazz band and pit band for the musicals. Students will also participate in pep band.

Physical Education (4 credits required)

PE

Local Course Code: 49 – 1s sem 50 – 2ndsem — Open to: 9 -12
Offered: Year – every other day — SCED Code: 08001G05000
Prerequisite: none — Credits: 1 per year

The Physical Education classes emphasize lifelong activities such as badminton, pickle ball, physical fitness, weight lifting, bowling, fishing and archery. Team sports are team handball, whiffle ball, volleyball, basketball, ultimate frisbee, and flag football. We focus on wellness, teamwork, sportsmanship, and competition. We want the students to have fun and learn that physical fitness does not have to only be associated with strenuous activities. We want them to understand that fitness can be attained and practiced in a variety of ways. A medical excuse signed by a doctor is the only reason to exempt a student from Physical Education. Excessive absences will not be tolerated. **After the 3rd absence for the quarter the student will have to make up any additional absences on an off day (odd/even) in order to pass the course.**

Muscle and Fitness for Life

Local Course Code: 39 – 1st sem 313 – 2nd sem — Open to: 9 -12
Offered: Year – every other day — SCED Code: 08005G02500
Prerequisite: none — Credits: 1 per year

This class is for students who want to begin or continue to build muscular strength and enhance personal fitness. Students will have to perform different core exercises using free weights within a structured workout. In this class students will be using free weights and machines; also they will be performing multiple fitness, plyometric, speed and agility exercises. Safety and technique will be taught and demonstrated at all times. This course can be taken multiple semesters. This course is a substitute for the current Physical Education course. Excessive absences will not be tolerated. **After the 3rd absence for the quarter the student will have to make up any additional absences on an off day (odd/even) in order to pass the course.**

Sports Option

If you are out for a sport, you may opt out of 1 semester of PE per year. As a senior you have the option of opting out of both semesters. A Sports Option contract must be signed and guidelines must be followed. You will not receive the PE credit. PE credits are calculated into GPAs.

Science (6 credits required)

Science 9

Local Course Code: 3 — Open to: 9
Offered: Year – Required for 9th graders — SCED Code: 03159G10000
Prerequisite: none — Credits: 2

Ninth grade science is the introductory study of chemistry, physics, earth science, environmental science and astronomy. It is designed to acquaint students with basic topics in a range of scientific subjects.

Biology

Local Course Code: 56 — Open to: 10
Offered: Year – Required for 10th graders — SCED Code: 03051G10010
Prerequisite: None — Credits: 2

A study of biological principles from simple to complex levels of organization. The course includes introductory information about the scientific method and measurement, basic chemistry, cell biology, genetics, organisms, evolution, human body systems, populations, communities and ecosystems.

Environmental Science

Local Course Code: 253 — Open to: 11-12
Offered: Year — SCED Code: 03003G10000
Prerequisite: Biology/Science 9 — Credits: 2

Environmental science course will focus on many current issues related to our local, national and global environment. This course will emphasize hands-on activities, current events and will seek to address environmental issues, rather than simply read about them. Not only will we learn about the environment, we will actively address some of the issues of concern. Major topics covered will include: Biodiversity, Water Quality, Soil and Agriculture, Climate Change, National Policy Issues, and Population Concerns.

Chemistry

Local Course Code: 60 Open to: 11-12
Offered: Year SCED Code: 03101G10000
Prerequisite: Algebra Credits: 2

Principles of Chemistry is the study of matter and energy. The course will include study in the general areas of atomic structure, chemical bonding, gas laws, chemical equations and reactions. Problem solving will be a significant part of the course, as well as experiments dealing with many of the major topics. This course will meet requirements for any college major or technical school program and is recommended for all students planning on post-high school education.

Physics

Local Course Code: 59 Open to: 11-12
Offered: Year SCED Code: 03151G10000
Prerequisite: Algebra II or Teacher approval Credits: 2

Physics is a study of the laws of nature, which are the basis of our developing high-tech. economy. Because a large portion of this course deals with mathematical relationships, Algebra I is a prerequisite with Geometry and Algebra II being strongly suggested. Students should be able to have some success in Physics without these latter two, and should discuss taking the course with the instructor.

Social Studies (6 credits required)

World Geography

Local Course Code: 61 Open to: 9-12
Offered: Fall SCED Code: 04001G05000
Prerequisite: none Credits: 1

In part one of World Geography, students examine our physical, natural environment. Topics include map skills, the earth's natural, physical features and processes, natural resources and environmental issues, weather and climate, and food and population patterns. The second part of the class divides the world into regions and examines the physical features and human culture and behavior patterns of each of these areas in South Pacific, Latin America, Asia, Africa and Europe. In part two, students apply what they have learned in part one. A major goal of the class is for students to understand how our environment affects our behavior, and how we affect our environment.

World History

Local Course Code: 62 Open to: 10
Offered: Year – Required for 10th grade SCED Code: 04051G10000
Prerequisite: None Credits: 2

World History is a survey of our heritage from the first human societies to the present day. The course focuses on the development of western and non-western civilization and the evolution of modern global conditions. Topics include the earliest human societies, the beginning of civilization, early Western society, major Asian, African and American cultures, and the development of the modern world's political, social, economic, cultural conditions, and international relations. A major goal of this course is an understanding of the world we live in.

United States History

Local Course Code: 63 Open to: 11
Offered: Year – Required for 11th grade SCED Code: 04101G10000
Prerequisite: none Credits: 2

United States History is a survey of the social, economic, political, and cultural development of our nation following the Reconstruction Period. The topics include American social conditions and lifestyles, the role of our government and its approaches to various issues, and the participation of the United States in world affairs as it emerges as a global power. A major goal of the course is an understanding of life in the United States and an ability to make judgments, evaluations, and decisions about issues concerning our nation.

20th/21st Century US History through Primary Sources

Local Course Code: 64 — Open to: 10-12
Offered: Fall — SCED Code: 04109G05000
Prerequisite: None — Credits: 1

Course will examine visual, print, media, and audio from differing modern eras (such as The Roaring 20's, the Great Depression, WW II, the 1950's Boom, Civil Rights, Turbulent 60's, Crisis of Confidence 1970's) in U.S. history to explore these time periods in greater depth and detail. The course will develop critical and historical thinking skills.

Sociology: Understanding Human Relationships

Local Course Code: 65 — Open to: 10-12
Offered: Spring — SCED Code: 04258G05000
Prerequisite: None — Credits: 1

Sociology is a study of modern human society and how and why we act as we do. It focuses on human relationships and our behavior as members of social groups. The course includes a wide variety of high interest topics, such as: human culture, beliefs, values and variation; the structure and functioning of society; childhood, adolescence, adulthood, family, and old age; issues concerning sex/gender, race and ethnicity, inequality, prejudice and discrimination, religion, population, crime, health, and social change.

Current Issues

Local Course Code: 66 — Open to: 10-12
Offered: Spring — SCED Code: 04064G05000
Prerequisite: None — Credits: 1

An examination of present-day issues and concerns in American society and the world. Subject matter will change from year to year. There will be an emphasis on research, individualization and personal initiative.

Economics

Local Course Code: 68 — Open to: 12
Offered: Spring – Required for 12th grade — SCED Code: 04201G05000
Prerequisite: None — Credits: 1

Economics is the study of economic decision-making based on wants and needs and the relationship of production distribution and consumption of goods and services. Topics of scarcity, supply and demand, market economy, GDP, forms of economic enterprise, role of labor and financial planning will be topics covered in this subject.

Government

Local Course Code: 67 — Open to: 12
Offered: Fall – Required for 12th grade — SCED Code: 04151G05000
Prerequisite: None — Credits: 1

This course first traces the development of our Constitution and federal system of government. It then explores the aspects of the three major branches of our system; legislative, executive and judicial.

Talented and Gifted

The Extended Learning Program seeks to collaborate with students, parents, and teachers to adjust the pace of instruction that is realistic and desirable for advanced learners. This instruction provides an appropriate level of challenge and can reduce the time period necessary for students to complete required coursework. Instructional enrichment opportunities are provided for those students that desire additional learning opportunities in an area of interest such as projects for competitions, educational conferences, or a mentorship. There are also situations in which such modifications are insufficient. Thus, personal adaptations such as content-based acceleration may need to be considered.

Acceleration is an intervention that moves students through an educational program at a faster rate or a more complex level. A student will be considered for acceleration if a student scores 40-50 total points on the Acceleration Matrix. Objective and subjective assessments are used to determine total points.

The Iowa Online Advanced Placement Academy (IOAPA) has been established to deliver Advanced Placement (AP) courses to high school students across the State of Iowa utilizing Apex Learning online technology and the Iowa Communications Network (ICN). AP gives students an opportunity to take college-level courses and exams while still in high school for identified ELP students. Please see Mr. Wenthold for a current course listing.

TAG Seminar

Local Course Code: 85 Open to: 9-12
Offered: Year – Meets 1-2 times a week SCED Code: 22106G05000
Prerequisite: TAG Membership Credits: 1

Seminar courses vary widely but typically offer individuals the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem solving and critical thinking skills.

Students in this course will meet with Ms. Reichter once or twice a cycle to complete a project in an area of high interest to the student. Students will provide a completed report at the end of each quarter. This project will be evaluated on a pass/fail basis.

Work Experience/Career Education Courses

ATLAS - PBL Authentic Learning at South Winn - Project Based Learning

Local Course Code: 124 Open to: 10-11
Offered: Fall and Spring SCED Code: 22901G05011
Prerequisite: none Credits: 2 credits per semester

ATLAS is a project-based, community integrated course that is offered through a competency-based education pathway. It is taught in an innovative, flexible manner over the course of two periods. Students will collaborate with peers and community partners on projects to achieve employability skills, develop partnerships, and gain future-ready skills. This is a student driven class; students get to choose the projects and community partnerships they collaborate on during class. Students will often work outside the traditional classroom.

Internship

Local Course Code: 123 Open to: 12
Offered: Fall and Spring SCED Code: 22998G05000
Prerequisite: none Credits: 1 per mod worked, maximum 2 credits per semester

This course will help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. Students will complete course work online as well as through on-site work experiences. Students will be able to earn two credits during a semester, one credit for each work placement. This course requires students to have two periods blocked off for on-site placement. It is recommended that students take the Pre-Employment Strategies class as a junior. Work placements will have to be approved by the course instructor and the high school principal.

***College Experience**

Local Course Code: 52 Open to: 11- 12
Offered: Spring SCED Code: 19258C05000
Prerequisite: none Credits: 1
NICC Course Code: SDV179 NICC Credits: 3

College is a new and different experience for many students. This course conveys expectations of the college culture to first-time college students. It provides an examination of the student's learning styles, familiarization with college resources and support services, review of important study and test taking skills, development of goal setting and decision-making skills, and enhancement of personal relationship skills that relate directly to college success.

Any student completing a program at Northeast Iowa Community College will be required to complete this course before graduating from the college program.