

SOUTH HAMILTON HIGH SCHOOL



Course Planning Guide

2016-2017

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South Hamilton Graduation Requirements

For graduation from South Hamilton High School, a student must successfully complete 48 credits including a minimum of the following course areas. All students must have all periods scheduled with a class. Every student must take a minimum of six full credited courses plus PE per semester.

Graduation requirements for grades 9-12 are as follows:

English	2 credits - Language Arts 9 2 credits – Language Arts 10 2 credits – Language Arts 11 2 credits – Elective – College Prep, Practical English, Contemporary Literature, AP English, ICCC ENG 105/106, Intro to Speech, ICCC Creative Writing <u>Total</u> 8 Credits
Social Studies	2 credits – World History – 10 th grade 2 credits – American History – 11 th grade 2 credits – Government – 12 th grade <u>Total</u> 6 Credits
Mathematics	6 credits – Electives – 9 th through 12 th grade <u>Total</u> 6 Credits
Science	2 credits – Science 9 2 credits – Biology 2 credits – Electives <u>Total</u> 6 Credits
Health	1 Credit – Health I
Business Education	2 Credits – Computer Applications I Financial Literacy OR Ag Science I
Physical Education	2 Credits – 1/2 each year for 4 years
Total Required Courses	31
Total Electives	17
Total Credits required For Graduation	48

The South Hamilton Community School District does not discriminate on the basis of race, color, national origin, creed, religion, sex, marital status, age, sexual orientation, gender identity or disability in its educational programs, activities, or disciplinary procedures.

Inquiries regarding compliance with equal education opportunity shall be directed to the compliance officer by writing to Ken Howard, Superintendent, Title IX, Title VI and Section 504 Compliance Officer, South Hamilton Community School District, 315 Division Street, Jewell, Iowa 50130; or by telephoning him at 515-827-5479; or by writing to the Director of the Region VII office of Civil Rights, Department of Education, Kansas City, Missouri. Further information and copies of the procedures for filing a grievance are available in the central administrative office and the administrative office in each attendance center.

Future Planning

This is the 2016-17 Course Description Guide, which contains information about courses offered during the next school year. Many exciting course opportunities exist at the high school level.

The middle and high school years are viewed as a critical time that can determine the student's future. Every spring, thousands of students make very important career choices when they register for next year's classes. Many times these choices are made without much thought for the future or the student's intentions or aspirations.

Each time students select a high school subject, they open the door to a career opportunity. Each time they do not take a subject, they could be closing a door to a career opportunity. The courses selected in school provide the educational foundation to build your occupational or career choices.

Research has shown that career planning is a complex lifelong process. From being a kindergartner learning about the workplace from his/her parents, to the career management of economic changes in jobs or employment, to the later years of choosing a retirement career or interest, a person needs to think proactively about skills and knowledge needed to be economically viable and valuable. Planning thoughtfully with input from others who are aware of your assets and strengths is the focus of career planning.

You can assist your student through the following suggestions:

1. Discussing strengths and weaknesses that you see in your student. This helps your student better identify his/her interests, abilities, and talents.
2. Before entering high school, students should be thinking about their future career choice and which plan of study they will need: College/University, Community College, Technical College.
3. Next, students working with their parents and counselor should maintain a four-year plan (developed in 8th grade) of courses to be taken during high school. This should include courses to meet graduation requirements, career-goal requirements, and special interests and needs. This plan is reviewed and updated yearly.
4. Before choosing courses, students and parents should carefully read through the course offerings. Questions about the courses should be addressed to the advisors, teachers, or counselor. Classes should be chosen thoughtfully, as students will be expected to take the classes they select and remain in them for the duration of the course. South Hamilton encourages all students to enroll in challenging courses. If students need to change from one academic course to another, they may do so during the first week of each year. To make a change, a student must talk with the high school counselor within the first three days of the semester.
5. Sharing information about careers and your work experiences.
6. Making arrangements for your student to talk to other knowledgeable people about careers that are of interest to him or her.

This booklet, along with consultation of the staff, is meant to be a resource. The courses a student takes in high school are an important consideration in being accepted for post-secondary study or work. It is crucial that a student gives consideration to potential careers, researches the requirements of these careers, and takes courses that are required or helpful. Selecting a career pathway is a process being used to aid the student in preparing for his or her future.

Academic Policies

Requirements for Graduation

Students must be enrolled in **six classes plus Physical Education** each semester. Students must successfully complete the 48 credits necessary for a South Hamilton diploma in order to graduate. This must be done at an established date set by the administration in order to participate in the graduation ceremony.

Early Graduation

Seniors may elect to graduate early if all graduation requirements have been met. This option should be planned before the junior year. Applicable PE requirements will be waived.

Physical Education

Seniors may be excused from physical education credit if the student has an academic conflict in 12th grade. Freshmen, sophomores, and juniors are required to enroll and pass PE each year. Students will repeat all failed physical education courses.

Project Courses

A student may take one project course per year per department. The student must have permission from the instructor, counselor, and principal.

Post-Secondary Enrollment Options Act

Chapter 261c of the Iowa Code provides the opportunity for students to attend a post secondary education institution on a part-time basis while attending South Hamilton High School. The Post-Secondary Enrollment Options Act is intended to promote rigorous academic pursuits and provide a wider variety of options for high school students. Those who qualify are in the 9th or 10th grade (who have been identified by the District as gifted and talented) and students in 11th or 12th grades are eligible to participate in the post-secondary enrollment plan. Students must be enrolled only part-time in the post-secondary institution and must continue to be enrolled in courses (including physical education) at South Hamilton High School. If all conditions are met, the District shall pay for each eligible course directly to the post-secondary institution up to \$250.00 for tuition, textbooks, materials, and fees. If a student is interested in this program, see the counselor this school year. * **See “Senior Year Plus Requirements” starting on page 45.**

Concurrent Credit

Concurrent credit courses will be applied as elective credit towards graduation on a student’s high school transcript. Students cannot enroll in courses that are “comparable” to high school course offerings, are limited to “part-time” enrollment at the post-secondary institution. Iowa Central and Des Moines Area Community Colleges are required to establish academic progress standards for students who are federal and state financial aid applicants or recipients. This policy ensures that any students who receives or applies for financial aid is making progress toward a degree. The student’s total academic history is monitored regardless of whether he/she has previously received financial aid *including college level course work completed in high school.*

Academic Eligibility For Extracurricular/Co-curricular Activities

7-12: Eligibility will be based upon each grading quarter. Students must have passed all courses taken to be eligible for the next grading period. If all classes are not passing, the student will become immediately ineligible for all school activities for 30 calendar days. Special Education staffing teams will meet to determine eligibility of special education students if the need arises.

9-12: ATHLETICS: The following requirements are set by the Iowa Department of Education, Iowa High School Athletic Association, and the Iowa Girls High School Athletic Union effective 7-1-2008:

- A student must receive credit in at least 4 subjects at all times.
- A student must pass all and make adequate progress toward graduation to remain eligible.
- If a student is not passing all classes at end of a final grading period, student is ineligible for the first period of 30 consecutive calendar days in the interscholastic athletic event in which the student is a contestant. There is no requirement that the student competed in the sport previously. Students in baseball or softball have the same penalty as all other students.
- If a student is not passing all courses at any check-point (if school checks at any time other than the end of a grading period), the period of ineligibility and conditions of reinstatement are left to the school.
- Schools must check grades at the end of each grading period; otherwise, a school determines if and how often it checks grades.

South Hamilton Community Schools checks for eligibility at the end of each grading quarter. If failing, students and coaches/sponsors will be notified.

- A student with a disability and an IEP is judged based on progress made toward IEP goals.
- The ability to use summer school or other means to make up failing grades for eligibility purposes is not available. The rule now also requires that all original failing grades (even those remediated for purposes other than athletic eligibility) be reported to any school to which the student transfers.

Agriculture Education

<i>Ag Science and Technology I</i>	<i>One Semester</i>
<i>Ag Science and Technology II</i>	<i>One Semester</i>
<i>Advanced Ag Science</i>	<i>One Semester</i>
<i>Ag Project</i>	<i>One Semester</i>
<i>Animal Science</i>	<i>One Semester</i>
<i>Small Gas Engines and Paint</i>	<i>One Semester</i>
<i>ICCC Beginning Welding</i>	<i>One Semester</i>
<i>Ag Business</i>	<i>One Semester</i>
<i>Horticulture III</i>	<i>One Semester</i>
<i>Natural Resources</i>	<i>One Semester</i>

State Law: One Ag Education semester class per year must be taken to be a FFA member.

Ag Science and Technology I	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This is an introductory course for students interested in agriculture. Units covered in the first semester will be: Introduction to FFA and parliamentary procedure, Use of checks, deposit slips, keeping a check register and other financial information will be covered. A unit in Ag Mechanics and sign making will also be covered. **This class will also satisfy the business graduation requirement for Financial Literacy.**

Ag Science and Technology II	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This is a follow-up course for Ag Science and Technology I. Ag Science and Technology I is not a requirement for taking Ag Science and Technology II. Contents for this course will include an introduction to computer spreadsheets and use of the computer for records. A short unit on safety, along with an in-depth animal science unit will be covered as well as electricity and electrical wiring.

Advanced Ag Science	One Semester	Grades: 11 – 12
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Elective

Credit: 1

Prerequisite: Animal Science

This is an in-depth course for persons interested in both animal and plant sciences. Biotechnology will be incorporated into the class as it relates to today's agriculture. Units in advanced animal nutrition, genetics, animal production around the world, ag ethics and animal welfare and GMO's will be covered

Animal Science	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: None

This course is for people interested in animals or those preparing for careers in animal care. Animal production, care, nutrition, and various animal species will be covered.

Small Gas Engines and Paint	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: None

Class size limit: 12 students

This class replaces the old Ag Power and Paint. This class will disassemble and assemble brand new small gas engines. Students will learn tools, how an engine works and how to maintain a small gas engine. We will also cover a unit in painting. We will cover automotive paints and primers and powder coat paints. We will also cover metal repair and metal preparation for painting.

ICCC Beginning Welding	One Semester	Grades: 11 – 12
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Elective

Credit: 1/high school and 3/college

Prerequisite: Ag Mechanics/Manufacturing I

Class size limit: 12 students

The Beginning Welding course offers students instruction in flat position welding. The welding process covered includes Shielded Metal Arc Welding (AC-DC), Gas Metal Arc Welding (MIG), and Oxy-Acetylene Welding. TIG Welding, and Plasma Cutting will also be introduced. At the completion of the required welds and bookwork, metal projects will be constructed.

Ag Business	One Semester	Grades: 11-12
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Elective

Credit: 1

Prerequisite: None

This course will cover many different aspects of running a business. Credit and financial management will be covered with topics in finance, depreciation, interest, and credit forms. Job search and interviewing will be covered along with a unit in sales. Students will do some business simulations on computer spreadsheets. Various business forms will also be covered.

Horticulture III	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: Permission of instructor

Horticulture III will focus on landscapes: management, principles, methods, equipment, and landscaping products. Much of this course will be spent using hands-on experience while working outside in many landscapes. A computerized landscape program will be used to design landscapes. Grading will be both test and project based.

Natural Resources	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: None

Natural Resources is a class that will examine the outdoors and the environment. This class will cover units in: soil conservation & management, air, water & soil pollution, fish and wildlife resources, and outdoor recreation.

Ag Project Class	One Semester	Grades: 10-12
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Ag project class is a class for students that want to work on a project. Instructor approval is required. If a student wants to build something out of metal, he or she must have taken ICCC Intro to Welding previously. If the student wishes to restore a tractor or lawn mower, he or she must have taken a small engine class prior to enrolling in the project class.

Art Department

<i>Basic Design</i>	<i>One Semester</i>
<i>Painting</i>	<i>fall Semester</i>
<i>Ceramics</i>	<i>spring Semester</i>
<i>Drawing</i>	<i>One Semester</i>
<i>Digital Photography</i>	<i>One Semester</i>
<i>Art Project</i>	<i>One Semester</i> <i>Permission required</i>

Basic Design	One Semester	Grades: 9-12
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Elective
Credit: 1
Prerequisite: None

Basic Design is the beginning art class for high school students. We will study elements and principles of design. Students will explore many materials to create with.

Ceramics	spring Semester	Grades: 9-12
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Elective- 2nd semester ONLY
Credit: 1
Prerequisite: None

Ceramics is the study of three dimensional shapes and forms. Students will create sculptures and pottery from clay.

Painting	fall Semester	Grades: 9-12
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Elective – 1st Semester ONLY
Credit: 1
Prerequisite: None

Painting is an advanced art class that works with drawing and painting. Student work will come from assigned projects and student ideas. We work with tempera, acrylic, watercolor, and oil painting. Students will create landscapes, realistic and abstract drawings and paintings.

Digital Photography	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This class is an introduction to working digitally with photographic compositions in the context of an art class. In it students will learn to use digital cameras to produce images, which show concepts such as: Leading Line, Rhythm, Framing, Informal and Formal Balance, Silhouette, and Distance. The students will also learn to manage their photos in a Google Presentation.

Drawing	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This class is a course introducing basic methods, media, and concepts. Emphasizes drawing from observation with development of value, negative/positive space and shape, composition, line, edge development, and perspective. Students will explore using drawing media such as pencil, charcoal, pastels oil pastels, colored pencils, and ink.

Business Education Department

<i>Financial Literacy</i>	<i>One Semester</i>	<i>Required</i>
<i>Computer Applications I</i>	<i>One Semester</i>	<i>Required</i>
<i>Computer Applications II</i>	<i>One Semester</i>	
<i>ICCC Dreamweaver I</i>	<i>One Semester</i>	
<i>ICCC Introduction to Accounting</i>	<i>One Semester</i>	
<i>ICCC Computer Accounting</i>	<i>One Semester</i>	
<i>ICCC Photoshop I</i>	<i>One Semester</i>	
<i>Office Procedures</i>	<i>One Year</i>	
<i>Personal Business Management</i>	<i>One Semester</i>	
<i>Business Law</i>	<i>One Semester</i>	
<i>Business Math</i>	<i>One Semester</i>	
<i>Business Applications</i>	<i>One Semester</i>	
<i>Personal Record Keeping</i>	<i>One Semester</i>	

Yearbook *One Semester*
TV/Media *One Semester*
Sports and Entertainment Marketing *One Semester*

Financial Literacy	One Semester	Grade: 9
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Prerequisite: None
Credit: 1

The intent of managing your personal finances is to inform you of your various financial responsibilities and to provide you with opportunities for self-awareness, and financial satisfaction in a highly technical and competitive society. Personal finance class will help you learn to maximize your earning potential, develop strategies and explore your skills that will help you improve your financial literacy. Most importantly this class will help investigate your own interest, so that you will understand your own financial potential.

Business Law	One Semester	Grades: 10-12
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Elective
Credit: 1
Pre-requisite: none

You will soon find that business law is one of your most valuable subjects. You will study true situations that show how business and personal law impact not only business, but also the lives of young people and adults as well. The learning package will help you achieve an understanding of legal principles you will use throughout your life. In this class we will analyze legal situations, study real world cases, and study ethical situations.

Business Math	One Semester	Grades: 10-12
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Elective
Credit: 1
Pre-requisite: None

The study of business math is a practical approach to learning math. In studying business math, you learn basic math skills that will be useful throughout your life. Checking a sales slip, balancing a checking account, and understanding the various ways interest is charged on loans are just a few of the many practical skills you will learn in this class.

Computer Applications I	One Semester	Grades: 9-12
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Required

Credit: 1

Prerequisite: None

Mastery of the keyboard on the computer, including numbers and special symbols, is stressed, as well as proofreading. Basic areas of study include personal and business letters, centering, tabulating, memorandums, and one-page reports.

Computer Applications II	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This second semester course is recommended for anyone going on to college or who intends to use the computer skill in his or her profession. Although this course is usually regarded as a career offering, it will and should be taken by students who desire greater skill for their personal use than they have been able to build in one semester. Typical units to be covered are basic skills, manuscripts, themes, outlines, reports with footnotes or endnotes, business letters, tabulations, rough drafts and composition on the computer. Careful proofreading and neat, accurate, usable copy are standards to be achieved on all units.

Office Procedures	One Year	Grades: 11-12
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Elective

Credits: 2

Prerequisite:

Office Procedures is devoted to the business simulation Mean Jeans, Inc. Students apply for and manage one of 15 businesses.

NOTE: Office Procedures I and II have been combined, and the new course, Office Procedures, is one year in length. This course is the capstone course of the Business Department and is designed to bridge high school skills to college or to work. Emphasis in Office Procedures is placed on understanding job seeking and job getting skills, graph making, report writing, and the organization of the yearbook advertising campaign from selling to publication.

Personal Business Management	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

Business management is a class that will help you become more sensitive to the ethical issues in everyday life and at work. This class will encourage you to learn to think more clearly, critically, and logically about difficult ethical issues and questions. Business Management will allow you to analyze the ethical side of business that will help you understand the vastly different consequences of ethical and unethical behavior at work.

Personal Record Keeping	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

Record keeping classes provide a basic understanding of the procedures involved in recording personal financial transactions. Emphasis will be placed on personal banking, budgeting, income tax, and daily math skills, all needed to be a productive member of society. This class will teach students the importance of organization and control of financial information.

Yearbook	One Semester	Grades: 9-12
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Credit: 1

Prerequisite: Permission of the Instructor/Counselor

This course designed to accommodate individual needs at different interest levels. Students may be involved in photography, layout, cropping, caption and headline writing, tagging, indexing, interviewing, and advertising. Students are expected to demonstrate dependability, a good work ethic, and the ability to work on their own to meet deadlines.

TV/Media	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: Permission of the Instructor/Counselor

Digital Media is the process of planning, instructional design, and development. Digital Media I is the first-year digital media course where students will create and learn using elements of text, graphics, animation, sound, video, and digital imaging to create digital computer applications to be delivered on CD-ROM, Internet or other media. These skills will prepare students for entry-level multimedia positions and will provide fundamental digital media understandings and skills beneficial for other occupational/educational endeavor.

Sports Entertainment And Marketing	One Semester	Grades: 9-12
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The field of sports and Entertainment marketing is growing rapidly. Many college's universities, and high schools offer a specialization in this field and we will explore this through the use of marketing. Sports and Entertainment continues to be a foundation of marketing in education. This class uses a wide array of entertainment topics to emphasize the market core such as:

- Channel Management
- Marketing-Information Management
- Market Planning
- Pricing
- Product/Service Management
- Promotion
- Selling

We also use an online simulator to practice the marketing mix. Students will manage their own football stadium and book games as well as concerts and other entertainment events. This real life simulation allows students to have fun as well as learn.

ICCC Introduction to Accounting	One Semester	Grades: 11-12
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Elective

Credit: 1 High School / 3 College

*Prerequisite: **Permission from the Accounting Instructor/ Counselor***

Students will receive instruction in analyzing and recording various business transactions and in completing the accounting cycle. This course is recommended for those students who have had no prior accounting courses and/or accounting experience. Students will also receive the individual knowledge of basic accounting theory along with basic accounting procedures. Topics to be covered will be: financial records, role of accounting clerk, and job opportunities in accounting. Areas of study will include purchase/sale of merchandise, payment of expenses, and year-end accounting procedures.

ICCC Computer Accounting	One Semester	Grades: 11-12
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Elective

Credit: 1 High School/ 3 College

*Prerequisite: **ICCC Introduction to Accounting***

This course is designed to provide the student experience in handling automated accounting in a number of areas. These include general ledger, accounts receivable, accounts payable, payroll, depreciation, inventory and accounting statement analysis. Simulation of business and its activities are processed through the entire accounting cycle culminating in the various accounting reports. The applications will be done on a computer.

ICCC Dreamweaver I	One Semester	Grades: 11-12
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Elective

Credit: 1/high school 3/college

*Prerequisite: **Permission from Counselor/Instructor***

This course integrates Fundamentals of Web Design curriculum with the hands-on training using Adobe production software (Photoshop, Dreamweaver, and Illustrator). During the semester, students will study both the online curriculum and the accompanying labs. They will develop individual websites using the Adobe software.

ICCC Photoshop I	One Semester	Grades: 11-12
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Elective

Credit: 1/high school 3/college

*Prerequisite: **Permission from Counselor/Instructor***

Get a thorough grounding in Adobe Photoshop and Adobe ImageReady, the must-have digital imaging programs for today's web and print designers. Hands-on projects include working with layers, making selections, incorporating color technique, creating special effects with filters and more. Create complex web graphics such as rollovers and animations.

Family and Consumer Science Department

Food for Life I

*fall and spring
semesters*

Food for Life II

spring semester

Foods III

spring semester

International Foods

spring semester

Pastries

fall semester

Interior Design and Housing

fall semester

Independent Living

fall semester

Fashion

fall semester

Child Development/Parenting

spring semester

Project Class

*Fall and spring
semesters*

Permission required

Food for Life I	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This course places an emphasis on cooking basics and food choices for good nutrition and personal health. Students will learn fundamental cooking techniques and nutrition basics. Units of study will include kitchen management, food safety and sanitation, measurement, food preparation techniques, kitchen equipment, food etiquette and table manners and preparation of various foods. Classroom activities include learning about and preparing a variety of foods using Choose My Plate as a guide.

Food for Life II	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: Food for Life I

Students will demonstrate independence and be encouraged to further develop cooking skills and gain independence in choosing recipes using Choose My Plate as a guide. Units of study include a review in kitchen management, and meal planning principles. Specific labs will include the food groups on Choose My Plate. Menu planning will be the main focus. Current issues in nutrition and new food products will be discussed.

Pastries	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: Food for Life I

Students will develop cooking and baking skills in the pastried field. Units will develop specific skill when it comes to baked products. Current trends in the Food industry will be discussed.

Foods III	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: Foods I and Foods II and Permission by Instructor

Students in this course will learn what it takes to set up a business (restaurant). General business skills such as planning, ordering, advertising, and final prep work will be learned. A restaurant setting, "Hawk Cafe" will be set up and opened for business.

International Foods	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: Food I

Students taking this class will have the opportunity to learn about cuisine from other countries. Cultures will be researched and dishes prepared. Students will learn the similarities and differences between American cuisine and those from other countries.

Fashion	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

Discover how fashion tells us a story about the social and cultural changes occurring in America. This course details what fashion has to do with past and present cultures, technology, and more. It gives the student an opportunity to study style, fashion, and clothing design. Students will learn about the importance of clothing in their lives and learn how individual clothing decisions are made. Units include history of fashion, elements and principles of design, fibers and textiles, planning/purchasing a wardrobe and accessories, and dressing for success.

Interior Design and Housing	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This course teaches students how to read and draw floor plans, design a kitchen, evaluate traffic patterns, create room arrangements, coordinate color and design of furniture, window, wall and floor treatments, and plan individualized living spaces. Furniture styles and selection will be studied along with design using line and color. Students will learn to recognize house styles, examine options in choosing places to live, and evaluate renting and buying considerations.

Independent Living	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This course is designed for the young adult preparing for a future life independent of parents and family, and will furnish students with the skills needed for personal and family resource management for now and the future. The course address a wide range of topics including: establishing goals, decision-making, finding and furnishing a place to live, money management/budgeting, planning for major purchases, balancing checking and savings, bill paying, establishing credit, consumerism, basic cooking skills, laundry and clothing selection and maintaining healthy life practices.

Child Development/Parenting	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This course is recommended for students considering careers involving children (parent, teacher, counselor, social worker, nurse, child care provider or nursery school instructor). It examines prenatal development, preparing for birth and the baby’s arrival, physical, intellectual, social and emotional development of children in the first year of life. Other units of study include the roles and responsibilities of effective parenthood, as students explore the areas of building strong families, having a healthy baby, life with a newborn, and building positive parent-child relationships.

Health/Physical Education Department

Physical Education

One Year

Health I

One Semester

Health II

Second Semester only

Physical Education	One Year	Grades: 9-12
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Required

Credit: .5 per year

Prerequisite: None

This course is designed to provide a variety of physical, mental and social activities. The program introduces students to a wide variety of activities in rhythm, games, team sports, and lifetime activities. The activities are designed to carry over into wise use of leisure pursuits in school and during the student's lifetime. Emphasis is placed on getting along with each other as students grow physically, socially and emotionally.

Students should wear soft, white-soled shoes during PE. Since state law requires physical education, all students at South Hamilton are required to participate, unless excused by a doctor.

Health I	One Semester	Grade: 9
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Required

Credit: 1

Prerequisite: None

This required course covers many units related to health and wellness. The following units are covered: Basic first aid, nutrition, fitness, maintaining healthy weight, tobacco, alcohol, medicine, and drugs, stress management, and injury prevention. Two days is spent on CPR.

Health II	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: Health I

This elective course addresses many topics important to future health including communicable diseases, non-communicable diseases, Sexually transmitted infections, and two body systems- skeletal and muscular, and cardiovascular and respiratory. This course is for a student that is interested in exploring the Career Pathways and learning medical terminology.

Industrial Technology Education

Intro to Drafting *One Semester*

ICCC Intro to Computer Aided Drafting (CAD) *One Semester*

Graphic Communications *One Semester*

Manufacturing Tech I *One Semester*

Advanced Manufacturing Tech. (School Based Enterprise) *One Semester*

Basic Home Maintenance and Repair *One Semester*

Energy, Power, & Transportation Technology *One Semester*

Intro to Drafting	One Semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

This course will review basic drafting, introduce architectural drafting, provide some experience with computer aided drafting, and provide students with the necessary skills to develop detailed plans for manufacturing with wood, metal, or other material.

ICCC Intro to Computer Aided Drafting	One Semester	Grades: 11-12
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Elective

Credit: 1/high school 3/college

*Prerequisite: **Drafting and Permission from Instructor***

The student will be introduced to the use of Computer-Aided Drafting software to make drawings of various objects. Students will create and modify drawings, print, hard copies, and change the drawing environment to meet task requirements.

Graphic Communications	One Semester	Grades: 9 - 12
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Elective

Credit: 1

*Prerequisite: **None***

This course will provide the student with instruction in basic skills in math, measurement, technology, graphic arts, problem-solving, and decision-making. The topics will be reinforced through hands-on activities involving black and white photography, screen-printing and sign making techniques, computer applications, and methods of organizing and starting a small business.

Manufacturing Technology I	One Semester	Grades: 9-12
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Electives

Credit: 1

*Prerequisite: **Intro to Drafting***

Manufacturing Tech I contains information about the tools, materials, and processes used in manufacturing. The course will stimulate student thinking and problem-solving skills through a variety of hands-on activities. Basic learning skills related to math, language arts, and science are reinforced throughout this course.

Advanced Manufacturing Tech.	One Semester	Grades: 11-12
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Elective

Credit: 1

*Prerequisite: **None***

Students will have opportunities to learn general business functions such as planning, supply ordering, marketing, accounting, and customer relations. They will organize and operate a business in which they will design, produce, and market a product using CAD, CNC, and vinyl cutting.

Manufacturing Project	One Semester	Grades: 10 - 12
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Elective

Credit: 1

Prerequisite: Graphic Communications, or Manufacturing I, and Permission of instructor

An advanced Industrial Technology course that will enable students to review, practice, and increase those skills learned in previous Industrial Technology classes. Each student will plan or design and construct his or her own project. Activities will include price estimates, layout, construction, and finishing or painting. This course can be taken more than once with the permission of the instructor.

Basic Home Maintenance/Repair	One Semester	Grades: 10-12
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Elective

Credit: 1

Prerequisite: None

The course teaches the students the skills and techniques used in carpentry, masonry, plumbing, electrical wiring, and other building trades, as related to home repair activities will include trouble-shooting and repair procedures for homes and appliances. Some of the topics covered include roof repair, walls, floors, furniture, heating and cooling systems, and many more. A section will be taught during the summer if enough students are interested.

Energy, Power, & Transportation Technology	One Semester	Grades: 9-12
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Electives

Credit: 1

Prerequisite: None

This course has been developed to give students technological literacy, career exploration, and problem-solving skills dealing with energy, power, and transportation. Each unit of instruction will have hands-on activities to enhance learning. The units will cover energy auditing, low-pressure steam, turbine construction, disassembling and reassembling a four cycle, one cylinder engine, robotics, fluid power, and designing and constructing a CO₂ model racer.

Language Arts

<i>Language Arts 9</i>	<i>One Year</i>
<i>Language Arts 10</i>	<i>One Year</i>
<i>Language Arts 11</i>	<i>One Year</i>
<i>Practical English</i>	<i>One Semester</i>
<i>College Prep</i>	<i>One Year</i>
<i>Contemporary Literature</i>	<i>One Semester</i>
<i>AP English</i>	<i>One Year</i>
<i>ICCC English 105</i>	<i>One Quarter</i>
<i>ICCC English 106</i>	<i>One Quarter</i>
<i>Intro to Speech</i>	<i>One Semester</i>
<i>Creative Writing</i>	<i>One Semester</i>

Language Arts 9	One Year	Grade: 9
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Required

Credits: 2

Prerequisite: None

This class emphasizes the basic fundamentals of communication: reading, writing, speaking, and listening. Specific units to be covered include a Shakespearean drama, 6+1 Writing Traits, mythology, short stories, historical fiction, the research process, and various papers and speeches. In addition, this class includes multiple activities that promote positive interaction among peer groups.

Language Arts 10	One Year	Grade: 10
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Required

Credits: 2

Prerequisite: LA 9

Language Arts 10 continues with the study of literature, both fiction and nonfiction, as well as communication skills. Units included debate, nonfiction, classic literature, and a Shakespearean tragedy. Grammar reviews, speeches, and research projects are integrated into literature and writing units.

Language Arts 11	One Year	Grade: 11
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Required

Credits: 2

Prerequisite: LA 10

This course revolves around the chronological study of American literature. Students will read, discuss, and write about the literature. Two formal research projects will be required.

Practical English	One Semester	Grade: 12
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Elective

Credit: 1

Prerequisite: LA 11

Practical English is an elective offered to 12th graders who wish to review and improve basic communication skills. Students will engage in reading, writing, and speaking activities to enhance their employability skills.

College Prep	One Year	Grade: 12
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Elective

Credit: 2

Prerequisite: LA 11

As the title states, this course is designed to prepare students for their college classes that require writing. They will write several kinds of essays, including a formal research paper. Students will also read and discuss some works by Shakespeare, Chaucer, and other British authors.

Contemporary Literature	One Semester	Grade: 11, 12
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Elective

Credit: 1

Prerequisite:

Students will read different genres of literature written by authors during the 20th Century (post WW II). Students will analyze literary aspects as well as develop an appreciation for literature to become life-long readers.

AP English	One Year	Grade: 12
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Elective

Credits: 2

Prerequisite: Approval of the Instructor

Advanced Placement (AP) English offers to students excellent reading and writing experiences valuable in preparing for demanding educations. Throughout the course, preparation for Advanced Placement testing will be considered. If a student's score on the test is high enough, he/she may receive college credit.

Intro to Speech**One Semester****Grades: 9 - 12***Elective**Credit: 1*

Intro to Speech is a semester-long course designed for high school students who wish to develop effective communication for social and professional life. The class will prepare students for college and their careers. Students will develop an understanding of the communication skills needed for successful group interactions and individual presentations. Students will be provided with opportunities to increase their fluency and self-confidence as a speaker. The course covers multiple aspects of public speaking and gives the student practical experience through participation. The course includes a study of poise, use of body and voice, public speaking, oral interpretation of literature and beginning argumentation.

ICCC English 105	One Quarter	Grades: 11 - 12
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*Elective**Credit: 1 High School/ 3 College**Prerequisite: Mandatory placement score on ACT, Iowa Assessments, or COMPASS*

This course focuses on the process of writing expressive and informative prose. It introduces library research skills and critical thinking skills.

ICCC English 106	One Quarter	Grades: 11-12
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*Elective**Credit: 1 High School/ 3 College**Prerequisite: English 105 with a "C" grade or better or equivalent*

This course is a continuation of English 105 with advanced work in library research techniques. The major focus is on persuasive and argumentative writing with an emphasis on critical thinking skills.

ICCC Creative Writing	One Semester	Grades: 11-12
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*Elective**Credit: 1 high school/3 college**Pre-requisite: Must be proficient on Iowa Assessments*

This course will cover the essentials of three creative writing genres: the short story, poetry and its elements, and creative non-fiction. Students will review various examples of professional authors and will produce their own creative work.

Math

<i>Pre-Algebra</i>	<i>One Year</i>
<i>Algebra A</i>	<i>One Year</i>
<i>Algebra B</i>	<i>One Year</i>
<i>Algebra I</i>	<i>One Year</i>
<i>Geometry</i>	<i>One Year</i>
<i>Algebra II</i>	<i>One Year</i>
<i>Pre-Calculus</i>	<i>One Year</i>
<i>A.P. Calculus</i>	<i>One Year</i>
<i>Vocational Math</i>	<i>One Year</i>
<i>Statistics</i>	<i>One Year</i>

Note: The math course sequence for each student is based on teacher recommendation, and takes into consideration a variety of factors: math skills, grades (test and homework scores), work ethic, and Iowa Assessment results. Three years of math are required to meet graduation requirements. There is not a specific course requirement such as Algebra. Rather, students and parents, in conjunction with the teacher recommendation, need to determine what is best for their high school and post-secondary plans. Students must follow the sequence and will not be awarded credit twice for the same course.

Pre-Algebra	One Year	Grade: 9
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Credits: 2

Prerequisite: Recommendation by Middle School teacher

Pre-Algebra first semester focuses on percents, decimals, fractions, and story problems will be reviewed and applied through everyday living situations. The topics of arithmetic operations, measurement skills, geometry, data handling, simple statistics, and the use of algebraic formulas are explored in semester 2.

Algebra I	One Year	Grades: 9-12
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Credits: 2

Prerequisite: If coming from 8th grade, recommendation by MS teacher, Iowa Assessment results, and Algebra Concept exam.

This course includes the study of positive and negative numbers solving of equations and systems of equation and their applications, solving of inequalities and systems of inequalities and their applications, manipulations of polynomials and quotients of polynomials, quadratic equations and their solutions and applications, two-dimensional graphs, some relations and functions, verbal problems, exponents and radicals, and graphing technology. This course is required for further work in mathematics.

Geometry **One Year** **Grades: 9-12**

Credits: 2

Prerequisite: Successful completion of Algebra I

Geometry is a study of figures in two and three dimensions. Students will practice in logical thinking and through this experience see the common and different properties in studying lines, segments, rays, angles, planes, polygons, congruence, parallelism, perpendicularity, similarity, and circles. Basic algebraic skills are reviewed and strengthened as algebraic methods are applied to solving problems in geometry. In addition to the basic development of geometry, the course includes an introduction to trigonometry, area and volume, and constructions.

Algebra A **One Year** **Grades: 9-12**

Credits: 2

This year-long course includes the following units: Expressions, Equations and Functions; Linear Equations; Linear Functions; Equations of Linear Functions and Linear Inequalities.

Algebra B **One Year** **Grades: 10-12**

Credits: 2

Prerequisite: Algebra A

This two-semester will cover the concepts of Systems of Linear Equations and Inequalities; Exponents and Exponential Functions; Quadratic Expressions and Equations; Quadratic Functions and Equations; Radical Functions and Geometry; Rational Functions and Equations; Statistics and Probability.

Algebra II **One Year** **Grades: 9-12**

Credits: 2

Prerequisite: Successful completion of Geometry

This course includes a review of basic materials from earlier work in Algebra I, the study of number systems, polynomials, rational expressions, functions (first-and second-degree), systems of equations, mathematical modeling, exponents, radicals, exponential functions, and conic sections. The use of graphing calculators and associated technology is also incorporated into the course. This course is a prerequisite for Pre-Calculus.

Pre-Calculus **One Year** **Grades: 10-12**

Credits: 2

Prerequisite: Successful completion of Algebra II

This course includes a review of coordinate geometry, functions and relations (linear, quadratic, and higher degree), circle trigonometry, triangle trigonometry, trigonometric addition formulas, exponents and logarithms, inequalities, probability, and complex numbers, and the use of graphing calculators to solve problems. This course contains a variety of mathematical topics, all of which are good preparation for college courses in calculus, abstract algebra, probability, and related fields of study. It can also serve as a terminal course for students who do not plan to continue their study of mathematics.

AP Calculus**One Year****Grade: 12***Credits: 2**Prerequisite: Pre-Calculus*

This course is offered to those students who have had elementary and intermediate algebra, geometry, and pre-calculus. It includes the study of the straight line, conic sections and other curves, functions, derivatives, applications of the derivative, limits, integration, applications of integration, and transcendental functions. There is a possibility of college credit available through AP examination in May.

Vocational Math**One Year****Grades: 11-12***Credits: 2**Prerequisite: None*

This class is designed to improve basic skills and give experience in solving the mathematic problems found in many career situations. Wages, Taxes, Loans, Insurance, Credit Cards, Housing Costs, and Investments will be covered.

Statistics**One Year****Grades: 10-12***Credits: 2**Prerequisite: Geometry*

In this course, students will learn to read, interpret, and understand the meaning of the data used in media reports and other content areas. The course includes study of collection of data, preliminary analysis of data, central tendency, variability, basic probability, normal distribution, correlation, regression, and hypothesis. Semester one focuses on descriptive statistics while inferential statistics is covered in second semester.

Music Department

*High School Band**One Year**Concert Choir**One Year**Music Theory**One semester*

High School Band	One Year	Grades: 9-12
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*Elective**Credit: 1 per semester**Prerequisite: None*

High School band is the final four years of public school instrumental music. The program consists of several organizations such as concert band, marching band, pep band, and other ensembles in which a

student might have an interest. The music selected is chosen specifically to broaden the student's appreciation of instrumental music. The band will rehearse 5 days a week and each band member will receive a lesson every six-day cycle.

High School Concert Choir	One Year	Grades: 9-12
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Elective

Credit: 1 per semester

Prerequisite: None

The music and opportunities offered in choir will help broaden the student's appreciation of music and develop performance skills, self-discipline and musical ability, including sight-reading and vocal techniques. The concert choir performs 4 concerts a year. The program consists of several organizations and opportunities such as Honor Choirs, Festivals and Small and Large Group Contests. The chorus rehearses every day and each member will receive one lesson every six-day cycle.

Music Theory	One semester	Grades: 9-12
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Elective

Credit: 1

Prerequisite: None

Music Theory I introduces students to musicianship, theory, musical materials, and procedures. The course will integrate aspects of pitch, melody, harmony, texture, rhythm, form, musical analysis, and to some extent, history and style. Musicianship skills such as dictation and other listening skills will be touched upon. This course will incorporate the traditional teacher-student model, online resources and exercises, as well as the Tonal Harmony textbook.

Other Offering

Cadet Teaching	One Semester	Grades: 11-12
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Elective

Credit: 1 (may be taken multiple times)

Prerequisite: None

Cadet teachers work with an assigned teacher one period per day assisting that instructor with all aspects of teaching. This program is particularly appropriate for students interested in a teaching career. Students are expected to create a list of daily tasks to be completed, be responsible and respectful, communicate, enjoy helping others and keep confidentiality. Students may take this course multiple times. There are assignments that require additional time outside of the classroom to complete.

Project Lead the Way

Project Lead The Way (PLTW) is a national non-profit organization established to help schools give students the knowledge they need to excel in high-tech fields. PLTW courses are designed for students seeking more in-depth, hands-on knowledge of engineering and technology based careers. According to PLTW research, students who go on to be successful engineers and technical workers are not necessarily the best math or science students, nor do they have a consuming passion for computers and all things technological.

What's in PLTW for you?

- * Opportunity to learn math, science, and technology in a hands-on relevant way.
- * Opportunity to explore engineering and other technology-based careers before college.
- * Exposure to the latest computer software and equipment used by industry, colleges, and universities.
- * Projects that teach how to communicate effectively and work as a team
- * Ability to receive college credit from Iowa Central Community College, Iowa State University, and/or University of Iowa.

Introduction to Engineering Design *One Year*

Principles of Engineering *One Year*

Digital Electronics *One Year*

Civil Engineering and Architecture *One Year*

Introduction to Engineering Design	One Year	Grades: 9-12
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Elective

Credits: 2 High School/3 College

Prerequisite: Algebra I

Teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer-aided design software. This is the introductory course that can be followed up with Principles of Engineering, as a part of the Project Lead the Way curriculum. Students successfully completing this class have the option of paying for and receiving college credit at ISU or U of I upon passing a competency test.

Principles of Engineering	One Year	Grades: 10-12
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Elective

Credits: 2 High School/3 College

Prerequisite: Algebra I, Geometry, and Intro to Engineering Design

This course is a continuation of IED and continues to teach problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer-aided design software. This course also explores technology systems and manufacturing processes; addresses the social and political consequences of technology change. Students successfully completing this class have the option of paying for and receiving college credit at ISU or U of I upon passing a competency test.

Digital Electronics	One Year	Grades: 11- 12
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Elective

Credits: 2 High School/3 College

Prerequisite: Principles of Engineering and Engineering Design

This course teaches applied logic through work with electronic circuitry, which students also construct and test functionality. This is the third course in the Project Lead the Way curriculum. Students successfully completing this class have the option of paying for and receiving college credit at ISU or U of I upon passing a competency test.

Civil Engineering and Architecture	One Year	Grades: 11-12
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Elective

Credits: 2 High School/3 College

Prerequisite: Principles of Engineering

This course introduces students to the interdependent fields of civil engineering and architecture; students learn basic project planning, site planning, and building design. Students successfully completing this class have the option of paying for and receiving college credit at ISU or U of I upon passing a competency test.

Science

<i>Earth Science 9</i>	<i>One Year</i>
<i>Biology</i>	<i>One Year</i>
<i>Anatomy</i>	<i>One Year</i>
<i>Chemistry</i>	<i>One Year</i>
<i>Physics</i>	<i>One Year</i>
<i>Consumer Science</i>	<i>One Year</i>
<i>Horticulture</i>	<i>One Semester</i>
<i>Horticulture II</i>	<i>One Semester</i>

Earth Science 9	One Year	Grade: 9
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Required

Credits: 2

Prerequisite: None

Earth science encompasses a variety of topics where students learn about the physical geology of the earth, such as the types of rocks, causes of erosion on our lands, earthquakes and volcanoes. The weather is studied with the purpose of understanding what causes our daily weather. Environmental problems are dealt with so the student may be better prepared to make informed decisions about complex problems in our society and our fragile environments.

Biology	One Year	Grade: 10
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Required

Credits: 2

Prerequisite: Science 9

Biology is the study of life. This course is designed to help you gain knowledge and skills to help you to make decisions that will improve the quality of your life. We will explore cell structure and function; genetics and heredity; topics in biological evolution; and environmental/ecological studies.

Anatomy	One Year	Grades: 11-12
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Elective

Credits: 2

Prerequisite: Biology

This is a two-credit course designed for students interested in pursuing a career in a medically related profession such as medicine, nursing, dentistry, lab technician, veterinary medicine, or EMT. Through lecture, lab activities, discussion, workbook, and dissection. The student will investigate the human body structure and function. The anatomy (physical structure) and physiology (how it functions) of each of the human systems will be studied. Diseases and malfunctions of individual systems will also be discussed.

Chemistry	One Year	Grades: 11 – 12
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Elective

Credits: 2

Prerequisite: Biology, Algebra I

Chemistry is a college prep course that studies matter and the changes it undergoes. Specific topics include matter and change, measurements and calculations, atoms, electrons, periodic table, chemical bonding, naming chemical compounds, solving chemical equations/reactions, and solutions/acids/bases.

Through lecture, discussion, problem solving, and lab activities, the student will gain a solid background of introductory chemistry.

Physics	One Year	Grades: 11-12
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Elective

Credits: 2

*Prerequisite: **Geometry and Chemistry***

Physics is a college prep course designed to help prepare students for college courses in the physical sciences. The course is also designed to explain how and why many common day-to-day experiences happen. The main areas of study are mechanics, heat and energy, light, sound, and electricity. Inquiry, design and experimentation are included.

Consumer Science	One Year	Grades: 11-12
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Elective

Credits: 2

*Prerequisite: **Successful completion of Science 9 and Biology***

This is a hands-on, projects based course that presents the basic concepts of science and examines the role of science in every day life. Consumer science is designed to meet a wide range of interests for students who want to explore the world around them.

This course will not meet a third year science requirement at most colleges or universities.

Horticulture I	One Semester	Grades: 10-12
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Elective

Credit: 1

*Prerequisite: **Successful completion of Science 9 or permission of instructor***

This is an introductory course that will allow students hands-on experience in growing plants. Topics will include an overview of horticulture careers, plant propagation, soil & fertility, basic plant management, and integrated pest management. ** Hort I is counted towards science credits for graduation. Preference will be given to seniors and juniors.

Horticulture II	One Semester	Grades: 10-12
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Elective

Credit: 1

*Prerequisite: **Horticulture I***

Horticulture II will deal with all aspects of growing plants and flowers in a greenhouse. There will be plenty of hands-on experience as students will be propagating plants, and learning the business of marketing plants. Grading will be both test and project based. Enrollment in this horticulture class is very limited. **Preference will be given to seniors and juniors and it is counted towards science credits for graduation.

Social Studies Department

<i>World History</i>	<i>One Year</i>
<i>American History</i>	<i>One Year</i>
<i>Government</i>	<i>One Year</i>
<i>Current Affairs I and II</i>	<i>One Semester</i>
<i>Contemporary U.S. History</i>	<i>Second Semester</i>
<i>Intro to Sociology</i>	<i>One Semester</i>
<i>ICCC Western Civilization I</i>	<i>One Quarter</i>
<i>ICCC Western Civilization II</i>	<i>One Quarter</i>

World History	One Year	Grade: 10
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Required

Credits: 2

Prerequisite: None

In western world history several key periods will be studied: Greece in the 5th century B.C., Rome in the first and second century A.D. Many visual experiences, group workings, some plays, and of course, daily assignments based upon readings will guide the study. In the second semester of world history, major themes in western history and a selected country in eastern history will be studied in the West, beginning with the impact of the Renaissance, the Reformation and Periods of Revolution, and ending with Imperialism and WWI.

American History	One Year	Grade: 11
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Required

Credits: 2

Prerequisite: None

In this class we begin with the study of the Puritans and travel through history as far as time permits. We usually end with a brief study of Vietnam. Class discussions, research projects, written activities, and films/videos comprise the learning activities of the course.

Government	One Year	Grade: 12
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Required

Credits: 2

Prerequisite: None

The purpose of studying government is to better educate the student as a citizen of our state and nation. Areas included in the study of government are the constitution, the courts, the election process, the Presidency and Foreign Relations, and the legislature. These four areas place an emphasis on the citizen, how one can get involved, how our nation behaves in the international arena, how we influence our governmental representatives, and why we behave politically the way we do. As part of this course, students will also study basic economic principles and their impact on the world.

Current Affairs	One Semester	Grades: 11-12
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Elective

Credit: 1

Prerequisite: None

Various Internet media sites will be the foundation upon which the current happenings in the world will be studied. Daily news reporting, Internet connections to the world, the use of various television news sources, and small group discussions will form the basis of the class. This class may be taken twice.

Contemporary U.S. History	Second Semester	Grades: 11 – 12
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Elective

Credit: 1

Prerequisite: None

The purpose of this course is to study in depth the changes the United States has gone through since the end of WWII to the present. The main focus of the course will be on the social, political, and foreign policy changes of the United States. Themes that will be analyzed and discussed are the Cold War, lifestyles of the 50's, Civil Rights Movement, Vietnam War, war protests, Watergate, economic and social changes of the 70's, terrorism, Reagan Era, and Persian Gulf War.

Intro to Sociology	One Semester	Grades: 10 – 12
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Elective

Credit: 1

Prerequisite: None

Intro to Sociology is an elective one-semester course that is intended for students who like to think deeply about them and the people around them. Much of the emphasis is on culture.

ICCC Western Civilization I	One Quarter	Grade: 12
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Elective

Credit: 1.33/high school 4/college

Prerequisite: Permission from Counselor and instructor

Must meet proficiency requirements

From Stone Age to the Age of Exploration is a study of the major political, socio-cultural, economic, and philosophical movements in the Western world from the Stone Age to the Age of Exploration.

ICCC Western Civilization II	One Quarter	Grade: 12
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Elective

Credit: 1.33/high school 4/college

Prerequisite: Permission from Counselor and instructor

Must meet proficiency requirements

A study of the major political, socio-cultural, economic, and philosophical movements in the Western world from the Age of Exploration to the present.

World Language Department

Spanish I One Year

Spanish II One Year

Spanish III One Year

Spanish IV One Year

Spanish I	One Year	Grades: 9 – 12
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Elective

Credits: 2

Prerequisite: Minimum C average in 7-8 English AND satisfactory completion of Spanish exploratory or permission from instructor.

Spanish I is an introductory college-prep course designed to help each student attain a general knowledge of the four basic skills of reading, writing, listening, and speaking. An introduction into practical vocabulary will include themes such as classroom, family, food, pastimes, greetings, time, weather, shopping, sports, and numbers. Each student will be encouraged to accept the personal challenge of exploring another language through cultural experiences and conversation.

Spanish II	One Year	Grades: 10 – 12
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Elective

Credits: 2

Prerequisite: Successful completion of Spanish I

Spanish II continues to develop practical vocabulary such as clothing, body parts, animals, and daily routines. New concepts in grammar include the exploration of the past tense. Students are encouraged to develop their speaking, listening, writing, and reading skills in order to achieve proficiency in the Spanish language and culture.

Spanish III	One Year	Grades: 11 – 12
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Elective

Credits: 2

Prerequisite: Successful completion of Spanish II

In Spanish III the student can expect to speak Spanish almost exclusively (98%+). Grammatical concepts encompass the exploration of various tenses, including progressive and future tenses to expand the student's conversational abilities. Spanish III will allow the student to bring together and refine skills learned in previous levels. Each student who successfully completes the course may have the opportunity to participate in a foreign field experience.

Spanish IV	One Year	Grade: 12
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Elective

Credits: 2

Prerequisite: Successful completion of Spanish III

Spanish IV allows the students to refine and perfect all communication skills learned in previous levels through literature. A variety of activities and culture experiences will be included. Spanish will be spoken exclusively. Each student who successfully completes the course may have the opportunity to participate in a foreign field experience.

Other Course Options

E2020 Course Name	Department	Length
Mathematical Models and Applications	Math	one year
Trigonometry	Math	one semester
Financial Math	Math	one year
Environmental Science	Science	one year
Physical Science	Science	one year

Economics	Social Studies	one semester
Human Geography	Social Studies	one semester
Art History	Elective	one semester
Psychology	Elective	one year
Sociology	Elective	one semester
Strategies for Academic Success	Elective	one semester
Career Planning	Elective	one semester
Foundations of Personal Wellness	Elective	one year
Healthy Living	Elective	one semester
Spanish I	Elective	one year
Spanish II	Elective	one year

Iowa Learning Online offers FREE on-line curriculum. A complete list of courses may be found at www.iowalearningonline.org

Please see the counselor for additional courses not listed.

Dual Credit College Courses

Students at South Hamilton High School have the opportunity to earn college credit during their high school careers through several options. These options are described below:

Concurrent Enrollment

This option allows students to earn Iowa Central Community College credits through courses taught at South Hamilton High School. This option is also open to all ninth and tenth grade students (identified as TAG students) plus all eleventh and twelfth graders. Some college courses require a mandatory placement score. The following are examples of early bird classes taught at South Hamilton:

ICCC Western Civilization I *One Quarter*

ICCC Western Civilization II *One Quarter*

ICCC English 105 *One Quarter*

<i>ICCC English 106</i>	<i>One Quarter</i>
<i>ICCC Creative Writing</i>	<i>One Semester</i>
<i>ICCC Intro to Accounting</i>	<i>One Semester</i>
<i>ICCC Computer Accounting</i>	<i>One Semester</i>
<i>ICCC Dreamweaver</i>	<i>One Semester</i>
<i>ICCC Web Graphics</i>	<i>One Semester</i>
<i>ICCC Intro to Computer Aided Drafting (CAD)</i>	<i>One Semester</i>
<i>ICCC Beginning Welding</i>	<i>One Semester</i>

Post-Secondary Enrollment Option

This option was implemented by the state legislature several years ago. The purpose of this legislative act is to promote rigorous academic or vocational/technical standards by allowing students to enroll part-time in college courses.

This option is open to any eleventh or twelfth grade student, or ninth or tenth grade students identified as talented or gifted. Students cannot enroll in courses that are “comparable” to high school course offerings, are limited to “part-time” enrollment at the post-secondary institution (Iowa Central in Webster City or the DMACC Hunziker Center in Ames). Students adjust their high school schedules to provide time to attend the college courses.

Adding/dropping of a dual credit course require approval of the counselor and/or principal. No credit will be granted for a dropped/failed course.

Students interested in concurrent enrollment need to visit with the counselor to ensure eligibility and fill out necessary paperwork. Taking college level courses is a privilege, therefore we expect students to have excellent time management skills and a high level of independence and responsibility. Additional information about both options is outlined below.

ICCC FlexNet Courses

FlexNet courses are taught via the Internet using iNET (located in TritonPass). You have up to 15 weeks to complete the course from the time of enrollment and payment. FlexNet courses do not have weekly deadlines, but it is highly recommended for students to stay on task.

FlexNet courses allow you the opportunity to participate in a college credit course at a time that is convenient for you. You can work on a FlexNet course at your own pace. However, it is up to you to complete all the requirements of the course, and to be responsible for the accomplishment of course

objectives in a TIMELY manner. A significant amount of self-discipline is required of FlexNet students.

Iowa Central's FlexNet courses allow you to:

Study at a pace that fits your schedule

§ Accelerate academic progress

§ Meet requirements of certificate or license

§ Complete a degree or transfer to another college or university

Regardless of how many courses students enroll in, ONE study hall period (43 minutes) is assigned each day to work on completing the course.

- Receive quality instruction anytime, anywhere, by enrolling in one of our FlexNet courses

Please visit www.iowacentral.edu/distance_education/flexnet.asp for full course descriptions. See the counselor for registration information.

Iowa Central FlexNet courses

Cultural Anthropology (3)	Art Appreciation (3)	Introductory Biology (3)
Human Anatomy and Physiology I with lab (4)	Human Anatomy and Physiology II with lab (4)	Intro to Business (3)
Business Math (3)	Intro to Entrepreneurship (3)	Business Law I (3)
Business Law II (3)	Intro to Chemistry (3)	Intro to Criminal Justice (3)
Patrol Procedures (3)	Intro to Corrections (3)	Criminal Investigation (3)
Criminology (3)	Juvenile Delinquency (3)	Intro to Computers (3)
Principles of Macroeconomics (3)	Principles of Microeconomics (3)	Intro to Education (3)
World Regional Geography (3)	U.S. History to 1877 (3)	U.S. History Since 1877 (3)
Modern Asian History (3)	Medical Terminology (2)	Intro to Human Disabilities and Services (3)
Ethics for Human Services Professionals (1)	Exploring the Humanities (3)	Intermediate Algebra (4)
Statistics (4)	Principles of Management (3)	Principles of Marketing (3)
Exploring Music (3)	Sports and Society (2)	Techniques and Theory of Coaching (2)
Body Structure and Function (2)	Contemporary Health Issues (3)	Intro to Ethical Conflicts (3)
Intro to Psychology (3)	Psychology of Human Relations (3)	Developmental Psychology (3)
Child Psychology (3)	Adolescent Psychology (3)	Abnormal Psychology (3)
Social Psychology (3)	Intro to Religion (3)	Intro to Sociology (3)
Social Problems (3)	Marriage and Family (3)	Intro to Gerontology (3)

Human Behavior in Social Environment (3)	Intro to Human Services (3)	Public Speaking (3)
Coaching Ethics, Techniques and Theory (1)	Athletic Development and Human Growth (1)	Anatomy for Coaching (1)
Care and Prevention of Athletic Injuries (2)	Elementary Chinese I (4)	Elementary Chinese II (4)
Administrative Management (3)	Nutrition (3)	Business Communication (3)
Understanding Cultures: China (3)	Technology in the Classroom (3)	Intro to Lit (3)
Mass Communications Law (3)	International Relations (3)	

South Hamilton Senior Year Plus Requirements

Students at South Hamilton High School have the opportunity to earn college credit during their high school years through several options. The intent of Iowa’s Senior Year Plus statute is to ensure all students in Iowa have increased access to courses that have the potential to generate college credit while in high school. The statute requires all students enrolling in college credit courses be proficient in reading, math, and science with the exception of those enrolling in career and technical courses. Only the most recent Iowa Assessment score(s) are eligible. With the Iowa Assessments, the minimum National Standard Scores (NSS) are as follows:

Grade	Fall	Midyear	Spring
9	Math - 243 Science - 243 Reading - 243	Math - 249 Science - 250 Reading - 247	Math - 249 Science - 250 Reading - 249
10	Math - 252 Science - 253 Reading - 252	Math - 257 Science - 258 Reading - 257	Math - 257 Science - 258 Reading - 257
11	Math - 259 Science - 260 Reading - 259	Math - 261 Science - 265 Reading - 262	Math - 263 Science - 265 Reading - 263

However, if the student is not proficient on the Iowa Assessment, the district may choose to use one of the following alternative assessments to determine a student’s proficiency in reading, math and science:

1. The student achieves at the college readiness level on the ACT Assessment. The ACT College Readiness Benchmark scores are 21 on the Reading test, 22 on the Mathematics test, and 24 on the Science test.
2. The student is proficient on the COMPASS Test. Proficiency is a score above the developmental level as determined by Iowa Central Community College. The student showing proficiency on the COMPASS reading test would still need to prove science proficiency on the Iowa Assessment or ACT tests.
3. Upper level math courses (Statistics and Calculus) will require an ALEKS assessment score.

NOTE: A student may meet the reading, math, and science proficiency requirement to take a college credit course with any combination of Iowa Assessment, ACT, or COMPASS testing using his/her most recent test scores as determined by the administration. Starting in the fall of 2015, any student wishing to take a math course must meet the placement requirements by taking the ALEKS assessment.

Financial Aid Satisfactory Academic Progress Policy

In order to maintain eligibility for financial aid, a student must meet the “Standard Requirements” listed below. Failure to meet these requirements may result in the loss of financial aid. Programs affected by “Standard Requirements” are:

*Federal Pell Grant *Federal PLUS Loan *Federal Stafford Loan *Federal
 Work Study *Partnership Loan *IA National Guard Loan *IA Voc Tech Tuition Grant *Federal
 SEOG *Academic Compositeness Grant

Grades in Earlybird, PSEO, and Internet based Senior Year Plus courses may affect eligibility for financial aid in college.

Standard Requirements:

1. Successfully complete 67% of attempted credit hours. This will be measured on a cumulative basis. Example: If the student attempts a total of 24 credit hours the first academic year, the student must satisfactorily complete 16 credit hours. (Example: $24 \text{ credit hours} \times .67(67\%) = 16 \text{ credit hours.}$)
2. Completion of the academic program in 150% of the published credits of the program. Example: Associate in Arts degree =60 credit hours. Maximum attempted credit hours permitted to complete this program would be 90. (Example: $60 \text{ credit hours} \times 1.5 (150\%) = 90 \text{ credit hours.}$)
3. Minimum Cumulative Grade point Average (GPA) of a 2.00 must be met.
4. If the GPA or completion rate is not met, the student will be on financial probation.
5. Withdrawing from a course: (primary responsibility for the process rests on the student)
 - a. Earlybird – may withdraw between midterm of course and one week prior to the end of the course.
 - b. PSEO and Internet – may withdraw more than three weeks after student’s start date until one week prior to the end of the course.
 - c. In either case a “W” is placed on the student’s transcript
 - d. Students may not request to withdraw within one week of the end of the course.

Minimum High School Course Requirements

To be considered for admission, students must successfully complete these minimum high school course requirements. Any college prep courses in English, mathematics, science, social studies, and world language can also be used in calculating your [Regent Admission Index \(RAI\)](#) score.

Regent Admission Index

Students who wish to enter Iowa State University directly from high school will be admitted based upon the following four factors: ACT composite score, high school grade point average, high school percentile rank, and number of high school courses completed in the core subject areas.

A Regent Admission Index (RAI) score will be calculated for each applicant, based on the following equation:
$$RAI = (2 \times ACT \text{ composite score}) + (1 \times \text{high school rank}) + (20 \times \text{high school grade point average}) + (5 \times \text{number of high school courses completed in the core subject areas})$$

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents; high school rank is expressed as a percentile with 99% as the top value; high school GPA is expressed on a 4-point scale; and number of high school courses completed in the core subject areas is expressed in terms of years or fractions of years of study.

Applicants who achieve at least a 245 RAI score and who meet the [minimum high school course requirements](#) will automatically be offered admission. Applicants who achieve less than a 245 RAI score and who meet the [minimum high school course requirements](#) may also be offered admission, but their applications will be reviewed on an individual basis.

University of Iowa

	Liberal Arts & Sciences or Business	Engineering	Nursing
English/ Language Arts	4 years	4 years	4 years
World Languages	2 years in a single language*	2 years in a single language*	4 years in a single language or 2 years each in two languages
Science	3 years, including one year from at least two of these areas: biology, chemistry, and physics	3 years, including one year each of chemistry and physics	3 years, including one year each of biology, chemistry, and physics
Social Studies	3 years	2 years	3 years

Algebra	2 years	2 years	2 years
Geometry	1 year	1 year	1 year
Higher Math	—	1 year	

Iowa State University

Students who wish to enter Iowa State University directly from high school must also meet the minimum high school course requirements for admission as indicated below:

Subject	Requirement	Description
English/Language Arts	4 years	Emphasizing writing, speaking, and reading, as well as an understanding and appreciation of literature
Mathematics	3 years	Including one year each of algebra, geometry, and advanced algebra.
Science	3 years	Including one year each of two of the following fields: biology, chemistry, and physics.
Social Studies	2 years	

Additional entrance requirements for the Colleges of Engineering and Liberal Arts and Sciences

In addition to the high school course requirements listed above, students applying for admission to the College of Engineering must complete two years of a single foreign language. Students applying for admission to the College of Liberal Arts and Sciences must complete a third year of social studies and two years of a single foreign language.

Nontraditional students

Nontraditional students are held to the same high school course requirements as all entering freshmen. However, because research has shown that traditional measures of high school performance (e.g., GPA, class rank) are not always good predictors of academic success for nontraditional students, those who achieve less than a 245 RAI score are still encouraged to apply for admission.

General Equivalency Diploma (GED)

General Equivalency Diploma (GED) applicants are welcome to enroll at Iowa State University. In general, GED applicants who have achieved an overall average score at the 50th percentile or higher with no score lower than the 45th percentile will be offered admission. GED applicants whose high school classes graduated after 1990 are also required to achieve GED sub test scores at the 75th percentile for subject areas in which they did not complete high school coursework as stated in the section titled [Minimum High School Course Requirements for Admission](#).

Home schooled students

Each year, Iowa State welcomes students who have been educated at home. Because some of the factors that make up the RAI are frequently not available for these students, increased emphasis is given to standardized test scores in the admission review.

Home-schooled students are asked to provide thorough documentation regarding the subject matter (i.e. subject titles, text books, and syllabus) studied.

Please contact the [Office of Admissions](#) for additional details.

Students with disabilities

Students with documented disabilities are held to Iowa State's regular freshman admission requirements. Those who feel their academic record does not accurately reflect their ability to succeed and, therefore, wish to be considered for admission on an individual basis are asked to submit additional documentation explaining their circumstances. This documentation should include:

- A letter from the applicant requesting special consideration. This letter should identify the disability and include a description of how the disability impacts academic performance.
- Information pertaining to accommodations and services used in high school or the most recent educational setting.
- A recent typed report prepared by a qualified provider that contains a specific current diagnosis, treatment history, and existing functional impact as it relates to one's participation at Iowa State University. Please refer to [Student Disability Resources](#) Web site for more details on documentation requirements.

For additional information about services for students with disabilities, visit [Student Disability Resources](#).

Summer trial enrollment

Some freshman applicants who are not admitted unconditionally are offered the opportunity to enroll during the summer session on a trial basis.

University of Northern Iowa

Students entering the university must have completed the following set of high school courses (units) or their equivalents. These high school units apply to entering freshmen and transfer students with less than 24 semester hours of transferable college credit.

Subject	Requirement	Explanation
English	4 years	Must include 1 year of composition. May include 1 year of speech, communications and/or journalism.
Mathematics	3 years	Must include equivalent of algebra, geometry, and advanced algebra.
Science	3 years	General science, biology, chemistry, earth science and/or physics. Laboratory experience is highly recommended.
Social Studies	3 years	Anthropology, economics, geography, government, history, psychology, and/or sociology.

Electives

2 years

Additional courses from subject areas identified above are acceptable. May include world language* and/or fine arts.

- * Two years of one world language in high school with a C- or above in the last term meet the university graduation requirement. The university highly recommends that students fulfill this requirement while in high school.**

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses.** See the charts below.
- **Beginning August 1, 2016, NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.
 - *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1, 2016**, should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive **athletics aid and practice on or after August 1, 2016**, is 2.000-2.299 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **Division I** GPA required to be eligible for competition **on or after August 1, 2016**, is 2.300 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **The Division II** core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I 16 Core Courses	
4	years of English.
3	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
1	year of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II 16 Core Courses	
3	years of English.
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
3	years of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).