RED BUD HIGH SCHOOL

Course & Registration Guide 2024-2025

Table of Contents

REGISTRATION PROCEDURE

Registration materials for the next school year are available in December. Students are expected to discuss with their parents the course options in consideration of college/career plans prior to registration. Registration for the next school year will begin in mid- January. Students will meet individually with Mr. Guebert during study hall, lunch, before/after school, and as class time allows. Mr. Guebert will answer specific questions and aid the student in making his/her plans and selections, but the student is expected to have a general idea of courses he/she plans to take.

Information for college and career planning specific to Red Bud High School can be found in the Student Services section of the high school website (www.redbud132.org).

Registration will begin with juniors, followed by sophomores, and then freshmen. Mr. Cartee and Mr. Guebert will visit each elementary school to meet with current eighth graders about registration. Students and their parents are encouraged to contact the high school office if they have any questions.

GRADUATION REQUIREMENTS

Red Bud High School requires each student to earn 22 credits in order to graduate, with the follow specific credits being required:
English.....4 credits
Mathematics.....3 credits
Science.....2 credits
Social Science.....2.5 credits (American History, American Civics, & 1.0 Social Science Electives)
Health.....0.5 credit
Consumer Education .....0.5 credit (0.5 Personal Finance, or 1.0 Agribusiness Management, 2.0 StartUP, or 0.5 Family Living)
Fine Arts, Foreign Language, or Vocational.....1.0 credit

In addition, no student shall receive a certificate of graduation without passing examinations regarding the U.S. Constitution and the Illinois Constitution, which shall include proper use of the flag, methods of voting, and the Pledge of Allegiance. Students must also complete the SAT examination and the Free Application for Federal Student Aid or FAFSA.

MINIMUM COLLEGE RECOMMENDATIONS

The following coursework is the minimum recommendation for students planning to apply to an Illinois public university or community college transfer program. Please be aware that admission requirements are unique to each school, so some schools may have higher entrance requirements than others. For most current information on admission requirements, visit the college/university website or contact the college/university admissions office.

English	4 years
Mathematics	3+ years (Algebra I and higher) and senior year math
Science	3+ years (laboratory sciences)
Social Science	3+ years (emphasizing history and government; consumer education doesn't qualify)
Foreign Language, Music, Art	2+ years of fine arts and/or foreign language

Some highly-selective institutions do not identify minimum requirements, but instead consider admissions holistically. Students need to take the most challenging courses offered in these areas as appropriate, and demonstrate a high level of

performance both in the classroom and on the ACT and/or SAT. Extra-curricular records must clearly demonstrate an eagerness and good character in leadership and teamwork, both in the school and community.

SCHEDULE CHANGES

Students are expected to put serious consideration into their registration for next-year courses. The school counselor will meet individually with each student to register for the next school year. At this time, students are expected to know what courses they want; they will have one week to make changes to the registration. After the one-week period, course change requests will not be taken until May 1. After May 1, students can request a course change to the school counselor; a decision will be made after the principal's review. Students can request a course change through the first Friday of each semester.

ADDITIONAL COSTS

As a general rule, fees assessed at summer registration covers most of the cost of school-provided materials. However, in some areas of the curriculum, there are additional costs which the student and parent must assume (e.g. Driver Ed, Foods classes, Art classes, etc.) Every attempt is made to keep the costs to a minimum. These costs are directly affected by the nature of the projects a student chooses in these classes.

TRANSFER STUDENTS

When a student transfers to Red Bud High School, the school counselor and/or administration will interpret the student's educational records as they relate to the following issues:

1. If the student comes to RBHS from a school that has a weighted grading system, their grade point average will be recalculated to coincide with the grading system used by Red Bud High School.
2. The credit for a transfer course that is similar in scope and duration to a course presently offered at RBHS will be adjusted to coincide with the credit awarded for the RBHS class.
3. If a transfer student comes to RBHS from a unique school setting, such as a block scheduling, the school counselor and/or administration will review the student's transcript to determine the number of credits that RBHS will accept. There may also be a review and adjustment, either up or down, of the number of credits the transfer student will be required to attain in order to graduate from Red Bud High School.

Table of Contents

CORE COURSE PATTERNS

English: 4 required credits

- 9th grade: English I or English I R
- 10th grade: English II or English II R or English II Advanced
- 11th grade: English III or English III Advanced
- 12th grade: English IV or AP Language and Composition

Math: 3 required credits

9th grade Algebra Readiness:

- 10th grade Algebra I Part 1
- 11th grade Algebra I Part 2
- 12th grade Geometry

9th grade Algebra I Part 1:

- 10th grade Algebra I Part 2
- 11th grade Geometry
- 12 grade Algebra II

9th grade Algebra I:

- 10th grade Geometry or Geometry Advanced
- 11th grade Algebra II or Algebra II Advanced
- 12th grade Pre-Calculus (if pursuing a STEM degree), Statistics, Finite Mathematics, or Senior Math

9th grade Geometry or Geometry Advanced:

- 10th grade Algebra II or Algebra II Advanced
- 11th grade Pre-Calculus (if pursuing a STEM degree), or Statistics and Finite
- 12th grade AP Calculus (if pursuing a STEM degree) or Statistics and Finite

Math Elective: Computer Programming can be taken after completion of Algebra I when taken with an additional math course in 10th and 11th grade. Computer Programming can be taken alone in 12th grade.

Science: 2 required credits

9th grade:	Students can take Biology I or Physical Science.
10th grade:	Students can take Biology I, Physical Science, Agricultural Science, Earth & Space Science, Introduction to Engineering ME/EE, Introduction to Engineering CE/ChE. Students who have completed Biology I and Algebra I can take Chemistry I.
11th and 12th grades:	With successful completion of Chemistry I, a student can also take any of the following additional science courses: Organic & Biochemistry, Biology II, Chemistry II, Physics, or Anatomy (grade 12 only).

Social Science: 2.5 required credits—American History, American Civics, 1 credit Social Science Electives

9th grade: Students can take Eastern World Geography and/or Western World Geography

10th* or 11th or 12th grade: American History (*GPA of 3.00 or higher is required to enroll as sophomore) 11th or 12th grade: American Civics

Social Science Electives:	World History I	grades 10, 11, 12	0.5 credit
	World History II	grades 10, 11, 12	0.5 credit
	World History III	grades 10, 11, 12	0.5 credit
	Eastern World Geography	grades 9. 10, 11, 12	0.5 credit
	Western World Geography	grades 9, 10, 11, 12	0.5 credit
	Psychology	grades 11, 12	0.5 credit
	Sociology	grades 11, 12	0.5 credit

Table of Contents

DUAL-CREDIT COURSES

Dual-credit courses are offered at Red Bud High School through Southeast Missouri State University, Saint Louis University, and Southwestern Illinois College. Some dual-credit courses are not transferable; students are advised to check with the colleges they are considering, to determine if the credit will be accepted.

RBHS course offered through **Southeast Missouri State University (SEMO)** dual-credit program, at a cost of $95/credit hour plus technology/textbook fees:

RBHS Course	SEMO Course#	SEMO Course Title	SEMO credit hours
Pre-Calculus (fall)	MA 116	Pre-Calculus A	3
Pre-Calculus (spring)	MA 117	Pre-Calculus B	3
Statistics	MA 155	Statistical Reasoning	3

RBHS courses offered through **Saint Louis University (SLU)** 1818 Advanced College Credit Program, at a cost of $75/credit hour:

RBHS Course	SLU Course#	SLU Course Title	SLU credit hours
Chemistry II (fall)	CHEM 1110 CHEM 1115	General Chemistry I General Chemistry I Lab	3 1
Chemistry II (spring)	CHEM 1120 CHEM 1125	General Chemistry II General Chemistry II Lab	3 1

RBHS courses offered through Southwestern Illinois College, at no cost to students 16 years of age and older:

RBHS Course	SWIC Course#	SWIC Course Title	SWIC credit hours
Personal Finance	MGMT 117	Personal Finance	3
Cooperative Education	MGMT 213 MGMT 217	Human Relations in the Workplace Human Resource Managment	3 3
Ag Construction & Technology	CMT 145	Building Trades Craft Survey I	4
Horticultural Production & Management	HORT 102	Introduction to Horticulture	3
Animal Science	AGRI 111	Animal Science	4
Ag Business Management	AGRI 152	Agricultural Economics	3
Precision Metal Production I	PMT 101	Intro to the Machine Trades	4
Precision Metal Production II	PMT 110	Introduction to CNC Operations	2.5
Randolph County startUP	MGMT 299	Special Topics in Business	4
CCSI - Automotive Service	ACRT 141	Steering and Suspension	2
CCSI - Health Occupations	HRO 105 HRO 160	Nurse Assistant Medical Terminology	7 3
CCSI - Welding	WLDT 101 WLDT 152	Introduction to Welding All Position Arc Welding	6 5

Table of Contents

HONORS COURSES

Students at Red Bud High School have the opportunity to enroll in classes for advanced coursework. Red Bud High School applies a "weight" to grades for honors or advanced classes. These courses are more rigorous than standard course offerings. Students will be required to demonstrate critical thinking and independent thought processes, and will do so at a level exceeding that of the standard course curriculum. This may be demonstrated through:

- Independent research
- Writing or presentation focused advanced rhetorical skills
- Advanced problem solving and analysis

Weight Applied

Add a full letter-grade weight to our advanced courses. Weights would only apply to grades of a C or better.

Regular Course Grade	Advanced Course Grade
A 4.0	A 5.0
B 3.0	B 4.0
C 2.0	C 3.0
D 1.0	D 1.0
F 0.0	F 0.0

Students will receive weighted credit for new advanced courses in the first year of offering if they take them in their first year of eligibility.

- Example: Biology II A is added in 2022. This course is open to juniors and seniors. Students taking it as a senior in the first year of it being offered would NOT receive the weighted credit
- This prevents them from leapfrogging peers who took the class as juniors

Current Courses to Receive Weighted Grade

These courses will be weighted and will apply according to the chart below. Weight will not apply retroactively.

Class of 2023	**Class of 2024 and Beyond**
English III Advanced	Geometry Advanced*
College Composition	Algebra II Advanced*
Algebra II Advanced	Pre-Calculus
Pre-Calculus	AP Calculus
AP Calculus	English II Advanced
	English III Advanced
	AP Language and Composition
	AP Literature and Composition
	Chemistry I Advanced
	Chemistry II
	International Relations

*Students doubling up on these courses in the 2021-22 SY will only receive one weighted credit, not two.

** The Class of 2025 will have AP Literature and Composition available to them instead of AP Language and Composition.

Table of Contents

NCAA CORE COURSES

The following RBHS courses have been approved as core courses by the National Collegiate Athletic Association (NCAA):

ENGLISH

English I
English II
English II Advanced
English III
English III Advanced
English IV
Creative Writing
Ap Language & Composition

MATHEMATICS

Algebra I Part 1 (0.5)
Algebra I Part 2 (0.5)
Algebra I
Geometry
Geometry Advanced
Algebra II
Algebra II Advanced
Statistics
Pre-Calculus
Finite Mathematics
AP Calculus
Computer Programming

NATURAL/PHYSICAL SCIENCE

Physical Science
Biology I
Chemistry I
Chemistry I Advanced
Physics
Biology II
Chemistry II
Earth Science
Organic & Biochemistry
Anatomy & Physiology
Astronomy
General Science
Life Science

SOCIAL SCIENCE

U.S. History
World Geography
American History
World History I
World History II
World History III
Psychology
Sociology
American Government
American Civics
Basic Geography
Eastern World Geography
Western World Geography

ADDITIONAL CORE COURSES

Spanish I
Spanish II
Spanish III
Spanish IV

As a college-bound student-athlete, you are responsible for your eligibility. That means planning ahead, taking high school classes seriously and protecting your amateur status. It can be a difficult first step, but the benefits of being a student-athlete are worth the effort.

Students who want to play NCAA sports at a Division I or II school need to register for a Certification Account with the NCAA Eligibility Center at https://web3.ncaa.org/ecwr3/. College-bound student-athletes in Division III can also create a Profile Page to receive important updates about being a student-athlete and preparing for college. Students who are not sure which division they want to compete in can create a Profile Page and transition to a Certification Account if they decide to play Division I or II sports. Prospective student-athletes should plan to register during the sophomore year of high school.

The NCAA Eligibility Center works to help prepare for life as a student-athlete. If you have questions about your eligibility or the registration process, visit http://www.ncaa.org/student-athletes/future/educational-resources or call toll free at 1-877-262-1492. Answers to frequently asked questions can be found at www.NCAA.org/StudentFAQ.

COURSE DESCRIPTIONS

AGRICULTURE

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational.
1.0 credit of Basic Agricultural Science will apply towards the required 2.0 credits of science for graduation.
1.0 credit of Agribusiness Management will satisfy the consumer education requirement for graduation.

Course Title	Grade Level(s)	Prerequisite	Length	Credit
Introduction to Agricultural Industry	9, 10, 11, 12	None	Year	1.0
Basic Agricultural Science	10, 11, 12	Introduction to Agricultural Industry or concurrent enrollment	Year	1.0
Basic Horticulture Science	10,11	Basic Ag Science or concurrent enrollment	Year	1.0
Agricultural Business Management	11, 12	Introduction to Agricultural Industry	Year	1.0
Agricultural Construction & Technology	11, 12	Introduction to Agricultural Industry	Year	1.0
Animal Science	11, 12	Basic Ag Science or concurrent enrollment, Biology I	Year	1.0
Supervised Agricultural Experience (SAE)	9, 10, 11, 12	Concurrent enrollment in any ag class Or advisor approval	Year	0.25
Agricultural Communication - Independent	10, 11,12	Introduction to Ag & instructor approval	Semester	0.5
Agricultural Leadership and Education-Independent	10, 11, 12	Introduction to Ag & instructor approval	Semester	0.5
Natural Resource Management & Conservation - Independent	12	Basic Ag Science & Instructor approval	Year	1.0
Greenhouse Management	12	Horticulture & instructor approval	Year	1.0

INTRODUCTION TO AGRICULTURAL INDUSTRY (18001A001/19000-19001)
This orientation course provides an opportunity for students to learn how the agriculture industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Students will be introduced to the history, organization, structure and operations of the National FFA Organization. Basic concepts in animal science, plant science, soil science, horticulture, agribusiness management, agricultural mechanics, hydroponics and aquaculture science will be presented. The development of leadership, employability, and computer skills will also be taught. The FFA and Supervised Agricultural Experience Programs (SAEP's) are integral components of this course; students are encouraged to maintain SAEP's and to participate in activities of the FFA organization.

BASIC AGRICULTURAL SCIENCE (18003A001/19002-19003)
This orientation course builds on the basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include advanced plant science, soil science, animal science, and agricultural mechanics. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. The development of leadership, employability, and computer skills will also be taught. FFA and SAEP's are integral components of this course; students are encouraged to maintain SAEP's and to participate in the activities of the FFA Organization. This course applies towards the required 2.0 credits of science for graduation.

BASIC HORTICULTURAL SCIENCE (18052A001/19019-19020)
This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL BUSINESS MANAGEMENT (18201A001/19006-19007)
This course is designed to develop student skills in the area of advanced agricultural business procedures, establishment of agricultural business, managing the agribusiness, financing the agribusiness, marketing and advertising, and sales techniques and strategies. Information will be taken from the John Deere Farm and Ranch Business Management Textbook. The FFA and SAEP's are integral components of this course; students are encouraged to maintain SAEP's and to participate in the activities of the FFA Organization. This course satisfies the consumer education requirement for graduation.

AGRICULTURAL CONSTRUCTION AND TECHNOLOGY (18403A001/19008-19009)
This advanced course, open to students in grades 11-12, focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. In the ag mechanics lab, students will be responsible for constructing various projects related to this curriculum. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Information will be taken from the Illinois State Board of Education Agriculture Core Curriculum along with other miscellaneous sources. The FFA and SAEP's are integral components of this course; students are encouraged to maintain SAEP's and to participate in the activities of the FFA Organization.

ANIMAL SCIENCE (18101A002/19010-19011)
This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE) (18997A000/19012)
Courses in Agriculture, Food, and Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. Students must have a current, up-to-date record book for SAE and approval from the advisor to receive credit.

AGRICULTURAL COMMUNICATION (18203A002/19013)
Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This course is available as independent study only.

AGRICULTURAL LEADERSHIP AND EDUCATION (18203A000/19014)
This course is designed to provide students with the knowledge and leadership experiences to help them to become successful in life and in the workplace. Students will further enhance their potential for leadership development, personal growth, and career success. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This course is available as independent study only.

NATURAL RESOURCES MANAGEMENT & CONSERVATION (18504A002/19015-19016)
This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. This course is available as independent study only.

GREENHOUSE MANAGEMENT (18053A001/19017-19018)
This course focuses on the greenhouse management, floral design and related segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Also included are care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. This course is available as independent study only.

Table of Contents

ART

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational.
2 credits fine arts and/or foreign language recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Introduction to Art	9, 10, 11, 12	None	Year	1.0
Photography	10, 11, 12	None	Semester	0.5
Graphic Design	10, 11, 12	None	Semester	0.5
Advanced Drawing & Painting	10, 11, 12	Introduction to Art	Year	1.0
Advanced Sculpture & Ceramics	10, 11, 12	Introduction to Art	Year	1.0
Portfolio art	12	3.0 art credits earned or teacher approval	Year	1.0

INTRODUCTION TO ART (05154A000/20000-20001)
A basic introduction to the elements and principles of art, creative thinking, and skill development with a variety of different mediums such as drawing, painting, sculpture, and ceramics.

PHOTOGRAPHY (05167A000/20002)
An introduction to the basic compositional techniques and basic camera manipulation, as well as creative exploration of composition and subject matter. An introduction to Photoshop, basic photo editing, as well as using Photoshop as a medium to create original works.

GRAPHIC DESIGN (05162A000/20003)
An introduction to graphic design concepts such as typography and layout design, and more commercial art work. An introduction to Adobe Illustrator, basic vector drawing, and how to use Illustrator to create graphic art.

ADVANCED DRAWING & PAINTING (05155A000/20004-20005)
A more in depth exploration of two dimensional art creating with mediums such as drawing, painting, printmaking, and collage. Further development of project design and creative thinking as well as art appreciation.

ADVANCED SCULPTURE & CERAMICS (05158A000/20006-20007)
A more in depth exploration of three dimensional art creating with mediums such as sculpture and ceramics. Further development of project design and creative thinking as well as art appreciation.

PORTFOLIO ART (05170A000/20008-20009) A challenging independent opportunity to develop a portfolio of work over the school year with teacher guidance. Students will further develop their project planning, creative thinking, and skills in their choice of medium. Students will create a digital portfolio of work as well as their own display table at the spring art show.

Table of Contents

BUSINESS

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational. 0.5 credit of Personal Finance, 2.0 credits of Randolph County StartUP, or 1.0 credit of Agribusiness Management will satisfy the personal finance requirement for graduation.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Career Exploration	9	None	9 Weeks	.25
Google Workplace Applications	9, 10, 11, 12	None	Semester	0.5
Personal Finance	11, 12	None	Semester	0.5
Invest in Your Future	11, 12	Algebra I with C or better	Semester	0.5
Cooperative Education	12	Teacher, administrator, and school counselor approval	Year	3.0-4.0
Randolph County startUP	12	Selection by county advisory board	Year	2.0
Media Technology - Independent	9, 10, 11, 12	Teacher approval	Year	1.0

CAREER EXPLORATION (22151A000/16001)
Career Exploration is taken opposite of the 9-week Driver Education course. Career Exploration helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them to make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills. **This course is not included in the GPA Calculation.**

GOOGLE WORKPLACE APPLICATIONS (10004A001/16002)
Google Workplace Applications is an orientation-level semester course design to develop awareness and understanding of application software used by employers to perform tasks in workplace settings. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications including communication and time management tools, word processing, spreadsheets, presentation software, surveys, visual content, and website design. The development of employability skills, as well as transition skills, will be included in the course. Google applications explored: Meet, Drive, Gmail, Calendar, Keep, Docs, Sheets, Slides, Forms, Sites, and Drawings.

PERSONAL FINANCE (22210A000/16003)
Personal Finance (formerly Consumer Education) is a semester required class unless a student has fulfilled the personal finance graduation requirement with other approved coursework. Individual and group projects that deal with real-life situations are emphasized. Topics include career search, paying for college, banking, insurance, credit, budgeting, consumer protection, advertising, investing, and estate planning.

INVEST IN YOUR FUTURE (12103A001/16010)
This is a semester class for students who want to further their knowledge of personal finance. This course will dig deeper into financial literacy by exploring the development of wealth through wise money practices, investments, and portfolio management. Topics may include stocks, bonds, mutual funds, real estate, net worth, financial statements, budgeting, paying for college, and economics. Students will participate in an investment simulation throughout the semester. Individual and group projects involving real-life situations are emphasized. Student interest will guide course content.

COOPERATIVE EDUCATION (12098A002/10000-10001)
Cooperative Education is a capstone course designed to assist students in the development of effective workplace skills and attitudes through practical, advanced instruction in school and on the job. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. Fall semester coursework focuses on legal issues in the workplace with regards to human resources including equal employment opportunities, job design and analysis, recruiting, orientation and training, performance appraisals, compensation systems, labor relations, collective bargaining and grievance handling, and health and safety in the workplace. Spring semester coursework focuses the development of effective human relations skills to maximize workplace effectiveness and success. Topics include understanding one's self and others, effective personal communication, motivation, leadership, conflict management, and general workplace habits. Workplace skill development varies based on the place of employment selected for the work experience. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

RANDOLPH COUNTY START UP (12053A001/10002-10003)
Randolph County startUP is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential startUP class are critical; the 21st skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication and inquiry are at the heart of a student's development throughout the course. The startUP class meets Monday through Friday, 1:30 p.m. to 3:00 p.m. at various business locations in Randolph County. The student is responsible for transportation arrangements.

MEDIA TECHNOLOGY (10247A000/16008-16009)
The media technology course is a hands-on study of technology integration in an educational context. Students will be required to assess problems throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. The course also provides students with the opportunity to pursue an independent learning pathway in one of four areas: innovation, design, entrepreneurship or applications and develop a project which positively impacts their community. Each semester of this course can be taken independently of the opposite semester. This course is available as independent study only.

Table of Contents

CAREER CENTER OF SOUTHERN ILLINOIS (CCSI)

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Auto Collision Repair Technology (dual-credit)	11, 12	None	Year	3.0
Automotive Service (dual-credit)	11, 12	None	Year	3.0
Early Childhood	11, 12	None	Year	3.0
Health Occupations (dual-credit)	11, 12	None	Year	3.0
Law Enforcement	11, 12	None	Year	3.0
Welding (dual-credit)	11, 12	None	Year	3.0

AUTO COLLISION REPAIR TECHNOLOGY (20116A001/23000-23001)

In the auto body program, students will learn the use of hand tools, painting, basic beginning straightening procedures, welding, safe work practices, how to work as a team and other employability skills. Advanced students will learn skills needed to shape body lines and prepare multiple panels for paint. In general, students will be exposed to all the skills required to become an auto body technician. The curriculum also prepares students to take the certification exam. This is currently a dual-credit course through SWIC where students can earn up to 9 hours of college credit.

AUTOMOTIVE SERVICE (20104A001/23002-23003)

This course provides experiences related to maintenance, service and repair of a variety of different types of vehicles. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to auto service technology. Instruction will include safety principles and practices, maintaining, servicing and repairing the following areas: electrical systems, brakes, steering and suspension, automatic transmission/transaxle, heating and air- conditioning, engine repair, engine performance, manual drive and transaxles. The latest automotive training equipment is complemented with modern teaching methods and a competency-based curriculum. Desirable work attitudes and patterns are stressed. The curriculum prepares students to take the Automotive Service Excellence (ASE) exam for certification purposes. This is a dual-credit course through SWIC where students can earn up to 2 hours or college credit.

EARLY CHILDHOOD (19054A001/23004-23005)

Child Care is designed to train students to work as aides in preschool and day care centers. The students will study principles of child care and learn how to plan developmentally-appropriate activities. An overview of other careers in child care will also be provided. Practical experience is in the on-site preschool, which meets three (3) days a week. Students planning to advance in child careers will need to continue their education at a community college or four-year university.

HEALTH OCCUPATIONS (14051A001/23006-23007)

This class is offered to students who have an interest in entering the health-occupations field. The class will combine various learning techniques such as those of observation, participation, visitation, and exploration. The content of the course shall include combined classroom experiences and supervised clinical learning experiences in designated long-term care facilities and other health agencies. This course will expose students to a survey of the many different careers in the health fields, basic medical knowledge, and a concentration of study in the area of health-care aide. During the course of study, the student will actually work 5 full days in a long-term care facility under the supervision of the teacher and other nursing personnel. This is a dual-credit course through SWIC where students can earn up to 10 hours of college credit.

LAW ENFORCEMENT (15051A003/23008-23009)

This introductory course prepares students to enter the field of law enforcement or related areas. Students will be introduced to patrolling techniques, field operating observations and perceptions, communicating with the public, radio communications, reporting, and records. Instruction will also include questioning procedures, legal rights, routine police procedures, crime investigations, pursuit and arrest. Students will study search and custody procedures as well as police demonstrations, tours, and local shadowing.

WELDING (13207A001/23010-23011)

This program is designed for students who are planning a career in industrial or production welding, farm machinery repairs, or private business. Students will be exposed to expert training in a variety of welding processes, equipment, materials, techniques, welding positions and trade terms. The students will gain extensive hands-on experience and knowledge and learn employer- employee relationships in preparation for the job market. The program teaches students skills in the following areas: shielded metal arc (stick) of mild tungsten arc (tig) of mild steel, stainless steel and aluminum; flux core arc (dual and self-shield) of mild steel; plasma cutting; and oxy-acetylene hand and automatic cutting. The air-carbon arc gouger is also used regularly. First year students concentrate on flat, horizontal, 45-degree, vertical and overhead fillets on plate and pipe. Second year students work with bevel plates in the flat, horizontal, 45-degree, vertical and overhead positions with all the listed processes. Each year, CCSI students compete and score very well in the state written and SKILLS USA competition. The instructor and students are also involved in the American Welding Society (AWS) sectional activities in St. Louis. This is a dual-credit course through SWIC where students can earn up to 11 hours of college credit.

Table of Contents

ENGLISH

4 credits required for graduation.

Course Title	Grade Levels()	Prerequisite	Length	Credit
English I	9	None	Year	1.0
English IR	9,10,11,12	None	Year	1.0
English II	10	None	Year	1.0
English II Advanced	10	"A" average in English I	Year	1.0
English III	11	None	Year	1.0
AP Language and Composition	11	Either an "A" average in English II or an "A or B" average in English II Advanced	Year	1.0
English IV	12	None	Year	1.0
AP Literature and Composition	12	English III Advanced and 3.0 GPA	Year	1.0
Creative Writing	11, 12	Successful completion of Eng I and Eng II and Teacher Recommendation	Semester	0.5
Young Adult Literature	11, 12	Successful completion of Eng I and Eng II	Semester	0.5

ENGLISH I (01001A000/11000-11001)
English I introduces freshmen to the elements of fiction, nonfiction, poetry, and drama as well as to the elements of composition. This course emphasizes effective reading comprehension techniques necessary for success across the curriculum. Students examine various literary genres including the short story, the novel, and poetry. Nonfiction and readings from various content areas are used to improve critical thinking and evaluation skills. Students will also encounter challenging reading material, such as Romeo and Juliet. Reading experiences are expanded upon to provide students with a solid foundation in written communication. Basic rhetorical skills, grammar, and fluency in the conventions of standard English are developed through writings at the paragraph and essay level and will be further developed through writing descriptive and comparison and contrast essays. Course requirements also include an oral presentation, a research project, vocabulary and spelling study, and independent reading. An "A" semester average in this course is required to take English II Advanced.

ENGLISH IR (01001A000/ 11002-11003)
English IR is a remedial section of the English I class. This class introduces freshmen to the elements of fiction, nonfiction, poetry, and drama as well as to the elements of composition. This course emphasizes effective reading comprehension techniques necessary for success across the curriculum and is adapted/modified to the ability of the students.. Students examine various literary genres including the short story, the novel, drama, and poetry. Nonfiction and readings from various content areas are used to improve critical thinking and evaluation skills. Reading experiences are expanded upon to provide students with a solid foundation in written communication. Basic rhetorical skills, grammar, and fluency in the conventions of standard English are developed through writings at the paragraph and essay level and will be further developed through writing a literary analysis and an annotated bibliography. Students in this class will experience adapted literature and adapted/modified quizzes and tests to the needs of the student.

Table of Contents

ENGLISH II (01002A000/11004-11005)
English II is a year-long course that builds upon the reading and writing skills acquired at the English I level. Longer, more sophisticated essays are composed. Students respond in writing to what they have read in various novels, including The Pearl and Speak. Students read and analyze drama including The Tragedy of Julius Caesar and Antigone. Students consider the historical perspectives of literature with their study of To Kill a Mockingbird and the Civil Rights Movement. An extensive research project with composition of an expository essay is essential to completion of the course. Additional lessons in each unit focus on grammar, vocabulary, and test preparation. An "A" semester average in this course is required to take English III Advanced.

ENGLISH II ADVANCED (01002A000/11006-11007)
English II Advanced is designed for the sophomore student who excels in English. Its structure is the same as English II, but the reading materials and the thinking and writing expectations are at a higher level. Material is often covered at a faster pace. Students may be responsible for obtaining or purchasing their own copy of a teacher selected novel for annotation purposes. An "A" or "B" semester average in this course is required to take English III Advanced.

ENGLISH III (01003A000/11008-11009)
English III is a year-long course for juniors that focuses on American literature. The course is designed to be an introduction to major themes and works in American literature from the eighteenth century to the present. Students will read from a variety of novels, short stories, plays, and poems written by American authors, such as Bradbury, Steinbeck, and Frost. Students will also learn the historical context of each work as it relates to American literary movements. Literary elements and themes will be discussed, and brief reflective and expository writings and research will be incorporated, as well as a unit on writing a persuasive research paper. Finally, grammar, responding to reading, and SAT preparatory lessons are incorporated into the curriculum throughout both semesters.

AP LANGUAGE AND COMPOSITION (01005A000/11014-11015)
Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.
An "A" semester average in English II is required to take this course. If a student took English IIA, an "A" or "B" average is required. English IIIA is a prerequisite (though not a guarantee) for enrollment in the SLU 1818 courses during a student's senior year.

ENGLISH IV (01004A000/11012-11013)
English IV is a year-long course designed to prepare students to successfully meet the challenges and requirements commonly expected in college and the workplace. Students will focus on the process approach to writing and to multiple rhetorical strategies. Students will learn effective skills in personal, expository and argumentative writing, including methods of invention, organization, audience analysis, and style. Students will also continue to develop their research skills and will complete a formal research paper. The course will also include a broad study of World Literature, including both ancient and modern, exposing students to canonical literature with a global perspective. Students will also continue to integrate their language, writing, and reading skills.

AP LITERATURE AND COMPOSITION (01006A000/11020-11021)
Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

YOUNG ADULT LITERATURE (01097A000/11016)
Young Adult Literature is a semester course designed as an intensive reading class. The course relies solely on novels as a form of literature, with the three main categories of author's purpose and the five elements of novel structure as a foundation for study. Course emphasis is on the levels of comprehension as well as on the study of complex human values and morals as seen in the novel form. While the course focuses primarily on works of fiction, students are required to read one nonfiction and one classic novel in the course of the semester. Each student reads novels of his/her choice independently with a daily minimum expectation of 60 read pages. Only those students who enjoy reading silently at length and who are capable of handling a rigorous independent reading program should enroll. This course may not be taken in lieu of English III or English IV (or its equivalents).

CREATIVE WRITING (01104A000/11017)
This creative writing course is designed for students who enjoy writing as a form of art and personal expression. In this course, students will explore the elements of various literary genres (short fiction, poetry, drama, film) and the significance of both print and media formats. Students will create original writing pieces, engage in writing workshops, participate in literary element development lessons, and peer reviews/conferences. This course may be taken in lieu of English IV second semester (for students intending to graduate early).

Table of Contents

FAMILY AND CONSUMER SCIENCES

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational.

Course Title	Grade Level(s)	Prerequisite	Length	Credit
Intro to FCS	9, 10	None	Semester	0.5
Nutrition & Culinary Arts	10, 11, 12	None	Year	1.0
Culinary Arts	11, 12	Nutrition & Culinary Arts w/ a C or better	Semester	0.5
Pastry Arts	11, 12	Nutrition & Culinary Arts w/ a C or better	Semester	0.5
Textiles & Design I	11, 12	None	Year	1.0
Textiles & Design II	12	Textiles & Design I and teacher recommendation	Year	1.0
Parenting	11, 12	None	Semester	0.5
Child Development	11, 12	Parenting	Semester	0.5

INTRODUCTION TO FAMILY AND CONSUMER SCIENCE (22201A001/18000)
This course introduces students to the study of Family and Consumer Sciences. Students will be exposed to many of the areas that fall within the FCS umbrella and their personal and professional significance. Through classroom and laboratory experiences, students will explore nutrition and culinary arts, textiles and fabric construction, and child and human development. This course serves to provide students with an opportunity to explore the areas of FCS to better determine their desired path within the FCS program.

NUTRITION AND CULINARY ARTS (16054A001/18001-18002)
This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition. Course content includes, but is not limited to, the following: choosing healthy and nutritious food options, maintaining a safe and sanitary kitchen environment, and practicing food preparation skills with a variety of ingredients, all while experiencing new tastes, textures and smells. Students will evaluate food choices, select and create dishes, experiment with ingredients and techniques and evaluate the quality of dishes prepared.

CULINARY ARTS (16054A002/18003)
This fall semester course is a laboratory-based course where students build on the knowledge and skills gained in Nutrition and Culinary Arts. Course content includes, but is not limited to, the following: a brief review of safety and sanitation standards, understanding taste and flavor development, exploration of ethnic cuisines, culinary based careers, plate presentation, and balanced and aesthetically pleasing meals and menus. Students will perfect food preparation techniques, show creativity in recipes and plating, experience new flavors, and evaluate the quality of prepared dishes.

PASTRY ARTS (16054A002/18004)
This spring semester focuses on mastering skills and techniques related to pastries, cakes, and other sweet treats. Course content includes, but is not limited to, the following: food safety and sanitation review, baking essentials (ingredients, measuring, and equipment), preparation of various doughs and batters, and decorating with a variety of icing types. Students will work in a hands-on laboratory to practice these and other skills required of a professional baker or pastry artist.

TEXTILES AND DESIGN I (19201A001/18005-18006)
This course is designed to provide students with a working knowledge of fabric and clothing construction. Through classroom and hands-on experiences students will be able to differentiate between fibers and fabric construction methods, gain or improve hand and machine sewing skills, and create clothing and other textiles products. Students will follow pattern instructions, alter set patterns to fit the individual, select projects to match personality and needs, evaluate quality of construction and manage time and materials efficiently.

TEXTILES AND DESIGN II (19203A001/18009-18010)
This project based, advanced level course is designed to build on skills gained in Textiles and Design I. In this course students will have the opportunity to do the following: design clothing or home décor, improve sewing skills and express personality and creativity through design. Students will also explore the world of fashion design and careers in the industry.

PARENTING (22204A001/18007)
This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Topics of discussion include: meaning and importance of family, setting and achieving goals, struggles of teen parenthood, pregnancy, child development from infancy through the third year and developmental theories. Students will get a brief look into the realities of parenthood through a baby simulator.

CHILD DEVELOPMENT (19052A001/18008)
This course is designed to provide students with the knowledge and skills to support and promote growth and development in preschool aged children. The focus is on developing activities and procedures to stimulate optimal development by researching prominent developmental theorists, evaluating children's media and literature, considering disciplinary alternatives, and designing a portfolio of developmentally appropriate preschool activities and guidelines.

Table of Contents

FOREIGN LANGUAGE

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational. Minimum of 2 credits of fine arts and/or foreign language recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Spanish I	9, 10, 11, 12	None	Year	1.0
Spanish II	10, 11, 12	Spanish I	Year	1.0
Spanish III	11, 12	Spanish II	Year	1.0
Spanish IV	12	Spanish III	Year	1.0

SPANISH I (06101A000/17000-17001) This is an introductory level course to Spanish and the culture of Spanish speaking countries. The first year in Spanish is filled with activities that encourage students to use the language to communicate. Students learn the basic skills of reading, writing, listening to, and speaking Spanish through the introduction of basic vocabulary and structures. Repetition, comprehensible input, and compelling input are integral components of this course, therefore, participation is a must. Spanish and culture are introduced through the use of media, dramatizations, gestures, readings, and class discussions.

SPANISH II (06102A000/17002-17003)
Spanish II follows a similar format as Spanish I. This course builds on language acquired in level 1 to help students develop fluency in Spanish. By acquiring additional vocabulary and more complex grammatical structures, students will begin to feel able to use their language skills in a broader variety of situations. Students will work with more advanced structures, different tenses introduced in stories, embedded readings, extended readings and novels. The course is conducted in Spanish to improve students' ability to use the language. Participation is an important part of the course and is expected from all students. Students will study culture through films, novels, and authentic materials from Spanish speaking countries.

SPANISH III (06103A000/17004-17005)
This course is a continuation of Spanish II. It further expands the students' grasp of Spanish through review of vocabulary and structure, introduction of more complex grammatical structures, and reading and discussing both short stories and longer novels. This class is conducted in Spanish, so it is expected at this level that students will use Spanish as the primary means of communication in the classroom. Cultural study includes analysis of literature, current events, and film. Units are designed to draw out students' opinions and introduce global perspectives.

SPANISH IV (06104A000/17006-17007)
This course is designed to improve students' overall proficiency in Spanish through review of vocabulary and structure, continued exposure to more complex grammatical forms, and extended reading of novels, Spanish literature, and print media. Students will work hard to improve both speaking and listening skills. Students will continue to study culture through films and current events. Cultural units include higher level discussion of historical and current events in Spanish-speaking countries.

Table of Contents

INDUSTRIAL TECHNOLOGY

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Production Technology	9, 10, 11, 12	None	Year	1.0
Drafting	9, 10, 11, 12	None	Year	1.0
Mechanical Drafting	10, 11, 12	Drafting	Semester	1.0
Architectural Drafting	10, 11, 12	Drafting	Semester	0.5
Precision Metal Production I (dual-credit)	10, 11, 12	Fall Semester of Production Technology	Year	1.0
Precision Metal Production II	11, 12	Precision Metal Production I	Year	1.0
Precision Metal Application - Independent	11, 12	Precision Metal Production I and teacher approval	Year	1.0

*Students will not be able to complete Industrial Technology courses if they are Fully Remote.

PRODUCTION TECHNOLOGY (13052A001/22000-22001)
Production Technology is a course designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of introductory learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment, safety and operation including, computers, blueprint reading, layout procedures, sheet metal forming, oxy/acetylene cutting and welding processes, arc welding, mig welding, precision machining operations (manual lathe and vertical milling), corporate structure, management, research and development, production planning, marketing and servicing. In construction, students are exposed to woodworking safety, hand tool identification and operation, power tool identification and operation, project design, project planning, and construction of basic woodworking projects.

DRAFTING (21102A001/22002-22003)
Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multi-view projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives. This course is an introduction to Mechanical and Architectural Drafting. Students start with the basics of board drafting and then apply that knowledge by the use of CAD. It will prepare students to operate the system and understand the applications of CAD to industry standards. They will create, store, retrieve, and edit drawings on the CRT screen, then produce commercial-quality copies using a computer driven plotter. Prerequisite: None

MECHANICAL DRAFTING (21106A001/22004)
This course introduces students to layout to scale using specified tolerances, preparing detailed drawing for individual parts from drawings, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course also includes a sequence of CAD experiences in 2-dimensional and 3-dimensional drawing generation to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management relative to hard disk and tape storage systems. This semester course is offered in the fall.

ARCHITECTURAL DRAFTING (21103A001/22005)
This course is designed to provide students interested in a career in architecture with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the architectural drafting and architectural drafting CAD-CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, performing general office procedures, preparing preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, stair sections, chimney sections, roof sections, finish schedules, preparing plumbing, HVAC and electrical plans, and structural drawings. This semester course is offered in the spring.

PRECISION METAL PRODUCTION I (13055A001/22006-22007)
This course offers a planned sequence of learning experiences which provide students with the opportunities to develop competencies needed for employment in a variety of metal manufacturing-related occupations. This course enhances students skills common to many occupations in the metalworking industry, such as work ethic, applying safety practices, selecting materials, blueprint reading, performing bench work operations, performing precision measurement, performing layouts, performing housekeeping and recordkeeping activities, and operating a variety of tools used for separating, forming, and combining materials such as, sheet metal forming, oxy/acetylene welding and cutting processes, arc welding, mig welding, metal cutting operations using vertical and horizontal band saws, manual lathes, and vertical milling machines. This course is a dual-credit class with SWIC. Upon completion of this course, the student will have earned a machining dual credit through SWIC for PMT-101 (4 credit hours).

PRECISION METAL PRODUCTION II (13055A002/22008-22009)
This course is a continuation of Precision Metal Production I and builds on the skills introduced in that course. This course begins to offer students the opportunity to specialize in specific areas of manufacturing such as machine tool set-up and operation, welding, quality control, automated machine set-up and operation, and sheet metal fabrication. Course content includes the following areas: advanced machine set-up and operation, numerical control/computer, numerical control machining and cutting, performing supervisory functions and installation, and maintenance and repair of machinery.

PRECISION METAL APPLICATION (13147A000/22010-22011)
This course is designed to provide extra opportunity for students to apply knowledge they have obtained in the beginning and intermediate level metals classes. It will increase the student's ability to program, set up, operate, and problem solve manufacturing projects on both manual and CNC equipment. These projects will enhance the student's ability to problem solve and think on their own to solve problems presented to them during the manufacturing process.

Table of Contents

MATHEMATICS

3 credits required for graduation. 4 credits recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Algebra Readiness	9	None	Year	1.0
Algebra I Part 1	9,10	None	Year	1.0
Algebra I Part 2	10,11	Algebra I Part 1	Year	1.0
Algebra I	9,10	None	Year	1.0
Geometry	9, 10, 11, 12	Algebra I (8th grade Algebra I w/ a C or better both semesters)	Year	1.0
Geometry Advanced	9, 10, 11, 12	Algebra I and department approval	Year	1.0
Computer Programming	10, 11, 12	Algebra I, concurrent enrollment in additional Math course for grades 10-11	Year	1.0
Algebra II	10, 11, 12	Algebra I and Geometry	Year	1.0
Algebra II Advanced	10, 11, 12	Algebra I and Geometry, department approval	Year	1.0
Statistics (dual-credit)	11, 12	Algebra II with a C or better AND a Math subscore of 20 on the ACT OR a Math subscore of 520 on the SAT prior to Aug 1 / An English subscore of 22 on the ACT or a Reading subscore of 29 on the SAT prior to Aug 1	Semester	0.5
Pre-Calculus (dual credit)	11,12	Algebra II	Year	1.0
Finite Mathematics	11,12	Algebra II	Semester	0.5
AP Calculus	12	Pre-Calculus or department approval	Year	1.0
Quantitative Literacy and Statistics (QLS)	12	Math Graduation Requirements Satisfied	Year	1.0

ALGEBRA READINESS (02051A000/12000-12001)
This course will prepare students for the Algebra 1 class. This course is designed to assist students in mastering targeted standards with a primary focus on developing students' mastery of arithmetic concepts and skills. Materials include a wide range of difficulty, starting with simple one-step problems and progressing to multi-step problems to ensure student success. Units include understanding basic algebraic expressions and integers; work with decimals and equations; factors, fractions and exponents; ratios, proportions and percents; solving equations and inequalities; the coordinate plane, and graphing proportional relationships.

ALGEBRA I PART 1 (02053A000/12002-12003)
This course covers the first half of material covered in the traditional Algebra I class.

ALGEBRA I PART 2 (02054A000/12004-12005)
This course covers the second half of the material covered in the traditional Algebra I class.

ALGEBRA I (02052A000/12006-12007)
In Algebra I, students are introduced to basic algebraic concepts and will develop the algebraic skills necessary for more advanced math courses. Topics include real numbers, solving equations and inequalities, solving and applying proportions, functions, linear equations and their graphs, systems of equations and inequalities, exponents and exponential functions, polynomials, quadratics, and radical and rational expressions and equations (8th grade students who do not earn a "C" or better in first semester, will not earn high school credit and therefore not continue in second semester. They will start their freshman year in Algebra I).

GEOMETRY (02072A000/12010-12011)
In Geometry, the structure of a mathematics system (definitions, postulates, and theorems) is emphasized to give the students a thorough introduction to formal proof (deductive reasoning). The formal proofs deal mainly with two and three-dimensional figures with algebraic proofs being included when relevant to the two and three-dimensional figures. The topics studied include sets, angles, induction, deduction, principles of logic, formal proof, parallel lines and planes, congruent triangles, similar polygons,

Pythagorean Theorem, circles, constructions, coordinate geometry, and transformations. Students may not drop Geometry to move to Informal Geometry. Students who fail Geometry may take Informal Geometry the following year.

GEOMETRY ADVANCED (02072A000/12012-12013)
This geometry course will cover the same topics as the traditional geometry class, but in more depth. The questions will be more complex and challenging. Additional topics will be covered as time allows. This is a must-take course for any student going into a math-related occupation.

COMPUTER PROGRAMMING (02156A000/12014-12015)
Computer programming introduces the basic ideas of programming to entry level students by using the computer as a mathematical tool. They will learn to apply a logical process of problem solving to a programming language so that they can translate their thoughts into a working program. The emphases of this class will be on programming methodology, problem solving, algorithm development, and data structures.

ALGEBRA II (02056A000/12016-12017)
Algebra II continues the study of algebra which began in Algebra I. Topics covered include the system of equations, matrices, quadratics, polynomials, radicals, rational expressions and functions, exponential and logarithmic functions, and conic sections.

ALGEBRA II ADVANCED (02056A000/12018-12019)
This course covers the material of Algebra II at a faster pace. Additional topics will be covered as time allows. These may include sequences, series, probability, statistics, and trigonometry. A student may move from Algebra II Advanced to Algebra II at the successful completion of the first semester with teacher approval. Students who fail Algebra II Advanced may take Algebra II the following year.

STATISTICS (02201A000/12024)
The following concepts and statistical techniques are included: organization, presentation, and description of quantitative data (graphical methods and numerical methods); probability and probability distributions; sampling and statistical inferences (interval estimation and hypothesis testing); and correlation and regression. Students will be required to use a calculator and a statistical software package in this course. This course is not recommended for grade 11 students pursuing a STEM degree.

PRE-CALCULUS (02057A000/12022-12023)
This course will be vital to a student who plans to pursue a career in science, mathematics, or technology. Topics to be included are curve sketching, sequences, series, mathematics induction, combinatorics, and polynomial, rational, exponential and logarithmic functions. This course provides a thorough background for a student oriented toward a mathematical, scientific, or technical career. Included is a study of trigonometric and circular functions and vector applications. A review of complex numbers and a study of De Moivre's theorem that includes polar coordinates are also included.

FINITE MATHEMATICS (02102A000/12025)
This fall semester course includes topics with applications for students who will later enter fields such as business, biological sciences, psychology, sociology, political science, as well as mathematics, and the physical sciences. Topics included in this course are matrices, linear programming, simplex method, sets and counting, probability, statistics, Markov chains, and mathematics of finance.

AP CALCULUS (02124A000/12026-12027)
Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

QUANTITATIVE LITERACY AND STATISTICS - QLS (02201A001/12020-12021)
Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills.

MUSIC

These courses can satisfy the requirement of 1 credit of fine arts, foreign language, or vocational. Minimum of 2 credits of fine arts and/or foreign language recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Band	9, 10, 11, 12	Ability to read music and play an instrument, or teacher approval	Year	0.5
Chorus	9, 10, 11, 12	None	Year	0.5

BAND (05101A000/21000-21001)
Band will meet three days per week for rehearsals. On the two off days, the Band students will report to study hall. This is a performance class. Students should be competent in reading music and playing an instrument. Any student who is not able to do this, yet wishes to participate in band, is encouraged to speak with the teacher. Band students are required to participate in extra rehearsals, concerts, home basketball games, and graduation, and also march at home football games and selected parades. Students enrolled in Band may also have lunchtime sectional rehearsals, if needed.

CHORUS (05110A000/21002-21003)
Chorus will meet two days per week for rehearsals. On the three off days, the Chorus students will report to study hall. Any student who enjoys singing is welcome to join Chorus. Students will be required to participate in extra rehearsals, concerts, and graduation.

PHYSICAL, HEALTH, & SAFETY EDUCATION

Course Title	Grade Levels()	Prerequisite	Length	Credit
Physical Education	9, 10, 11, 12	None	Year	1.0
Weightlifting	9, 10, 11, 12	None	Year	1.0
Driver Education	9,10	Passing Grades in 4 courses in each of the previous two semesters	9 weeks	0.25
Health	10	None	Semester	0.5

PHYSICAL EDUCATION (08001A000/15000-15001)
The physical education program strives to provide students with the opportunity to participate in physical activities. Lifetime activities are stressed so students will gain interest and acquire skills in games and continue to take part in the future. A variety of training methods will be utilized to obtain optimal performance in all physical activities. The common goal is to instill a lifelong commitment to physical fitness and excellence.

WEIGHTLIFTING AND CONDITIONING (08005A000/15002-15003, 15004-15005)
This course will concentrate on developing strength, power, and speed. A variety of training methods will be utilized to obtain optimal performance in all physical activities. The common goal is to instill a lifelong commitment to physical fitness and excellence.

DRIVER EDUCATION (08152A000/15007)
This course has been designed to give each student the opportunity to learn classroom information and then apply the information in the car. The topics of signs, traffic signals, pavement markings, right of way laws, capability and performance of the car, perception, alcohol, fatigue, map reading, car insurance, and maintenance will be discussed in relation to driving. **This course is not included in the GPA Calculation.**

HEALTH (08051A000/15006)
This semester course involves interaction of physical, mental, emotional, and social factors. The topics of physical fitness, nutrition, body systems, growth and development, tobacco, alcohol, illegal drugs, disabilities, infectious diseases, sexually transmitted diseases, and abstinence are discussed in such a way as to help facilitate desirable change in attitudes and behavior. Students will also be exposed to first aid techniques and procedures.

SCIENCE

2 credits required for graduation. Minimum of 3 credits recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Physical Science	9, 10	None	Year	1.0
Biology I	9,10	None	Year	1.0
Basic Agricultural Science	10,11,12	Introduction to Agricultural Industry or concurrent enrollment	Year	1.0
Earth Science	10,11,12	0.5 science credit earned	Semester	0.5
Astronomy	10,11,12	0.5 science credit earned	Semester	0.5
Introduction to Engineering ME/EE	10,11,12	Successful completion of Physical Science or Biology I	Semester	0.5
Introduction to Engineering CE/ChE	10,11,12	Successful completion of Physical Science or Biology I	Semester	0.5
Chemistry I	10,11,12	Biology I and Algebra I	Year	1.0
Chemistry I Advanced	10,11,12	Biology I and Algebra I and Teacher Recommendation	Year	1.0
Organic & Biochemistry	11,12	Chemistry I	Semester	0.5
Biology II	11,12	Chemistry I	Year	1.0
Chemistry II (dual-credit)	11,12	Algebra II, Chemistry I, and 3.0 GPA for dual credit	Year	1.0
Physics	11,12	Chemistry I Advanced and Geometry (or concurrent enrollment in Geometry)	Year	1.0
Anatomy & Physiology	12	Chemistry I (or concurrent enrollment in Chemistry I)	Year	1.0

*All courses are considered lab sciences.

PHYSICAL SCIENCE (03159A000/13000-13001)
Physical Science includes a general study of chemistry and physics. The first semester's focus is on chemistry, which includes such topics as atoms, elements, chemical reactions and nuclear changes. During the second semester, the focus turns to physics. Topics include motion and forces, energy, waves, electricity, and magnetism. There are many opportunities for hands-on activities throughout the year.

BIOLOGY I (03051A000/13002-13003)
Biology is the science of life. Topics covered include ecology, basic biochemistry, cellular structure and function, genetics, evolution, and diversity. Emphasis is given to the molecular and cellular makeup of organisms and their relationship with the environment. Activities will be completed within each unit.

BASIC AGRICULTURAL SCIENCE (18003A001/19002-19003)
This orientation course builds on the basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include advanced plant science, soil science, animal science, and agricultural mechanics. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. The development of leadership, employability, and computer skills will also be taught. FFA and SAEP's are integral components of this course, students are encouraged to maintain SAEP's and to participate in the activities of the FFA Organization. This course applies towards the required 2.0 credits of science for graduation.

EARTH SCIENCE (03008A000/13006)
Earth Science courses offer insight into the environment on earth. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography. Earth Science is a class that investigates the Earth. Topics studied will be basic geology, meteorology, cosmology, and ecology. Emphasis will be placed on the Earth's development, ecology, conservation, and mankind's role with respect to the environment.

ASTRONOMY (03004A000/13007)
Space Science is a class that investigates the Earth's place in the solar system and the universe. This course will offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. Topics involving space will include the solar system, the constellations, space travel, and the origin of the universe.

INTRODUCTION TO ENGINEERING MECHANICAL/ELECTRICAL (21003A000/13008)
This course is a basic introduction and application of Engineering Principles, with an emphasis on introductory Mechanical and Electrical Engineering. Projects will be used to practice engineering principles and problem-solving.

INTRODUCTION TO ENGINEERING CIVIL/CHEMICAL (21003A000/13009)
This course is a basic introduction and application of Engineering Principles, with an emphasis on introductory Civil and Chemical Engineering. Projects will be used to practice engineering principles and problem-solving.

CHEMISTRY I (03101A000/13010-13011)
Chemistry is a study of matter and how it combines to form compounds. Specific topics include atomic theory, the role of electrons in reactions, the periodic table, basic reactions, and calculations. Lab work will be used whenever possible and will consist of at least 30 percent of the coursework.

CHEMISTRY I ADVANCED (03101A000/13012-13013)
CHEMISTRY I ADVANCED is an in-depth study of Chemistry for students that plan to pursue a career in a Science Field. In addition to the topics listed in CHEMISTRY 1, CHEMISTRY 1 ADVANCED will include an in-depth study of chemical reactions, solutions, acids and bases, equilibrium, and carbon compounds. Lab work will be used whenever possible and will consist of at least 30 percent of the coursework.

ORGANIC & BIOCHEMISTRY (03103A000/13014)
Organic & Biochemistry will investigate the basics of organic chemistry including naming compounds/writing structures, functional groups, and common reactions. Biochemistry will cover amino acids, protein structure and function, and the DNA molecule. Laboratory experimentation will be a major part of grading.

BIOLOGY II (03052A000/13015-13016)
Biology II involves selected topics to further enhance knowledge of the concepts introduced in biology. The topics discussed will include but are not limited to biochemistry, genetics, marine biology, microbiology, and environmental biology. Labs will be conducted within each unit area.

CHEMISTRY II (03102A000/13017-13018)
Chemistry II is a first-year college-level general chemistry course for which the student may earn dual credit through Saint Louis University. Lab activities will require students to work together to investigate chemistry concepts and will include inquiry-based experiments. The topics covered include the structure of matter, properties of matter, chemical reactions, rates of chemical reactions, thermodynamics, and equilibrium.

PHYSICS (03151A000/13019-13020)
Physics is the study of mechanics, solids, heat, sound, light, electricity, and magnetism with emphasis on mathematical applications. Some specific topics are forces, work, simple machines, bodies in motion, and energy. Lab work will consist of approximately 30 percent of coursework.

ANATOMY & PHYSIOLOGY (03053A000/13021-13022)
Anatomy and Physiology is a life science course with an emphasis on the human body. The curriculum will focus on the structure and function of the human body systems. Labs will be applicable to the understanding of body structures and systems. Labs will include a required unit on feline dissection.

Table of Contents

SOCIAL SCIENCE

2.5 credits are required for graduation (American History and American Civics required). 1.0 credit of Agribusiness Management or 0.5 credit in Personal Finance will satisfy the consumer education graduation requirement. Minimum of 3 credits is recommended for college.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Eastern World Geography	9, 10, 11, 12	None	Semester	0.5
Western World Geography	9, 10, 11, 12	None	Semester	0.5
Social Issues	9,10,11,12	None	Semester	0.5
World History I	10, 11, 12	None	Semester	0.5
World History II	10, 11, 12	None	Semester	0.5
World History III	10, 11, 12	None	Semester	0.5
Interational Relations	10,11,12	B average in English courses	Semester	0.5
American History	10*, 11, 12	None (***To take in grade 10, a B average in English is required**)	Year	1.0
American Civics	11,12	None	Semester	0.5
Psychology	11,12	None	Semester	0.5
Sociology	11,12	None	Semester	0.5

EASTERN WORLD GEOGRAPHY (04002A000/14000)
Eastern World Geography encompasses both the physical and cultural aspects of the discipline. Emphasis is placed on the development and appreciation of the area's physical geography, the five themes of geography, and map skills. Additionally, the course will examine the region's various cultures and social groups. Topics include political ideologies, religious beliefs, cultural practices, and current issues involving the Eastern World. Regions include but are not limited to Russia, Middle Eastern Countries, Africa, China, Japan, and the Koreas.

WESTERN WORLD GEOGRAPHY (04002A000/14001)
Western World Geography encompasses both the physical and cultural aspects of the discipline. Emphasis is placed on the development and appreciation of the area's physical geography, the five themes of geography, and map skills. Additionally, the course will examine the region's various cultures and social groups. Topics include political ideologies, religious beliefs, cultural practices, and current issues involving the Western World. Regions include but are not limited to North America, Europe, Central America and the Caribbean Islands, and South America.

SOCIAL ISSUES (04064A000/14010)
The goal of Social Issues is for the student to become aware of the major issues of the day and have an in-depth understanding and appreciation of current events. In this course students will examine the historic, cultural, economic, and geographic factors which have raised issues to a level of concern on a local, national, and global level. Students will engage in research and problem solving to better understand and assess a variety of significant and contemporary issues. To further students' understanding of topics, the course uses a variety of daily news, online media, political cartoons, and newscasts to support class discussions and learning activities. Additionally, students may participate in group activities, presentations, and research projects to better understand the world around them and take informed action.

WORLD HISTORY I (04060A000/14002)
World History I & II semester courses do not have to be taken in sequence. This semester course will detail the development of civilization through an analysis of artifacts, geography, literature, and primary sources. Students will compare and contrast early civilizations and describe how individuals of the ancient world have impacted history. Topics covered: Ancient Greece, the Roman Empire, the development of world religions, Europe in the Middle Ages, Renaissance and Reformation, Revolution and Enlightenment. World History I will be offered during the school years 2024-2025, 2027-2028, and 2030-2031.

WORLD HISTORY II (04053A000/14003)
World History I & II semester courses do not have to be taken in sequence. This course examines the events and personalities of modern world history with an emphasis on evaluating the cause and effect relationship of 20th century conflict. Topics covered: 19th century "isms and WWI, Revolution in Europe, fall of the Romanov Dynasty and communist revolution in Russia, the Rise of Fascism & WWII, Cold War, the Vietnam War, Middle East conflicts, and terrorism. World History II will be offered during the school years 2025-2026, 2028-2029, and 2031-2032.

WORLD HISTORY III (04065A000/14004)
The purpose of this course is to develop an appreciation and understanding of world history in the last century (1919-today). Using primary and secondary sources, the curriculum will focus on those personalities, events, ideas and institutions that shaped this era as well as how they shaped the modern world. Topics include: Europe post-WWI and the rise of totalitarian governments in Russia, Italy and Germany; Causes, alliances, key battles and effects of WW2 in Europe and the Pacific; The end of colonial empires/effects of colonization in Africa and Asia; The Cold War – in-depth studies of Soviet leaders and life in the USSR between 1845-90; China in the 20th century –The Communist Revolution under Mao, split with the Soviet Union and the reforms under Deng Xiaoping, including life in modern China and its relationship with the US; The rise of terrorism across the world. World History III will be offered during the school years 2026-2027, 2029-2030, and 2032-2033.

INTERNATIONAL RELATIONS (04155A000/14011)
This course is a must for students that are interested in the world around us. International Relations is a semester study of the current disputes, controversies, problems, and relationships that exist among the nations of the world. Students will examine current concerns, issues, historic influences, and U.S. foreign policy in areas such as Europe, Russia, the Middle East, Latin America, Asia and Africa. In addition, students will study international diplomacy, the structure, function and limitations of the United Nations and worldwide concerns, such as the global environment, that impact all nations and their people.

AMERICAN HISTORY (04101A000/14005-14006)
American History is a required course that will explore the development of the United States from a vast area of unknown lands to a world power. The course will examine, through primary and secondary sources, the impact of American events that have determined the characteristics of our social, political, and economic nation. Technology based research and presentations will be applied in the classroom to enhance the students' knowledge and stimulate ideas regarding The United States of America. Students who want to take American History in grade 10 must have a cumulative GPA of 3.00 or higher after completing grade 9.

AMERICAN CIVICS (04161A000/14007)
Civics is a semester course designed to examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. This class will discuss current and controversial issues and will include a service learning component. Students are required to pass tests on the U.S. Constitution, the Illinois Constitution, the Flag Code, and the Declaration of Independence in order to meet the requirements for graduation. (Previously titled American Government.)

PSYCHOLOGY (04254A000/14008)
Psychology is an elective course which includes the study of biological, social, and cognitive causes for behavior. The course emphasizes the role of the brain in cognitive functioning, memory, developmental psychology, personality theory, and mental illness. Students are strongly encouraged to participate in discussion.

SOCIOLOGY (04258A000/14009)
Sociology is a semester elective course designed to give students the opportunity for inquiry into the problems of group conflict faced by our society. The student brings certain experiences and subsequent opinions into the classroom, which may function as a springboard for classroom discussion and group interaction. Facts concerning the various topics are uncovered in order that the student may objectively evaluate his/her own biases and those held in common by our society. The first half of the course focuses upon the development of an informational background in order to familiarize the student with the relatively new subject area of sociology. The second half of the course is based primarily around two main projects that will require students to take on the role of a social scientist.

SPECIAL EDUCATION

Only students with an Individualized Education Program (IEP) are eligible for special education courses.

Course Title	Grade Levels()	Prerequisite	Length	Credit
Everyday English	9, 10, 11, 12	None	Year	1.0
Basic Mathematics	9, 10, 11, 12	None	Year	1.0
Pre-Algebra	9, 10, 11, 12	None	Year	1.0
Applied Mathematics	9, 10, 11, 12	None	Year	1.0
Geometry Concepts	9, 10, 11, 12	None	Year	1.0
General Science	9, 10, 11, 12	None	Year	1.0
Integrated Science	9, 10, 11, 12	None	Year	1.0
Basic Geography	9, 10, 11, 12	None	Year	1.0
U.S. History	10, 11,12	None	Year	1.0
Civics	11, 12	None	Semester	0.5
Family Living	11, 12	None	Semester	0.5
Functional Computer Concepts	9, 10, 11, 12	None	Year	1.0
Community Health	9, 10, 11, 12	None	Year	1.0
Work Experience	9, 10	None	Year	1.0
Work Study	11, 12	None	Year	1.0
Transitional Communication	9, 10, 11, 12	None	Year	1.0
Transitional Job Skills	9, 10, 11, 12	None	Year	1.0
Job	11, 12	None	Year	1.0
Transitional Food Preparation	9, 10, 11, 12	None	Year	1.0
Transitional Learning	9, 10, 11, 12	None	Year	1.0
Resource	9, 10, 11, 12	None	Semester	0.25

EVERYDAY ENGLISH (01009A000/24000-24001)
This course is designed to help each student develop the basic English and verbal communication skills needed to meet the goals outlined in their Individualized Education Plan. Students read appropriately leveled texts such as digital newspapers, menus, websites, as well as short stories, poetry, drama, novels, and non-fiction texts. Students will communicate their comprehension of this literature and functional text through oral presentations, and writing paragraphs. They will develop their writing skills through practice in grammar, English mechanics, proper sentence structure, and paragraph organization. Functional writing tasks such as email writing, letter writing, and social media writing will be practiced as well. .

BASIC MATHEMATICS (02151A000/24100-24101)
This course reviews the basic fundamentals of arithmetic as they apply to everyday life, taught on an individualized basis. (math credit)

APPLIED MATHEMATICS (02152A000/24104-24105)
This course will teach students to apply mathematical concepts to situations in the home, business, various trades, and as a consumer. Emphasis will be on the application of math procedures and problem-solving strategies utilizing calculators. Topics will include wages, budgeting, car expenses, home remodeling planning, operating a business, and math in various trades. (math credit)

PRE-ALGEBRA (02001A000-24102-24103)
This course is an introductory level course that prepares students for further study in Algebra. Topics covered will include number theory, variables, rational expressions, proportions, percentages, statistics, probability, and geometric principles and equations. (math credit)

INTEGRATED SCIENCE (03201A000/24202-24203)
The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties-earth science, physical science, biology, chemistry, and physics-and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme. (science credit)

GENERAL SCIENCE (03003A000/24200-24201)
This course is designed to help students explore a balance of life, earth, and physical science as it relates to their daily lives. Based on the individualized needs of the students enrolled, the topics discussed may include Biology, the metric system, energy and motion, sound and light, minerals and rocks, atmosphere, weather and climate, animals, plants, and ecology. (science credit)

BASIC GEOGRAPHY (04305A000/24300-24301)
This course is specifically designed to help students develop skills to survive in the social atmosphere of the world today. The student will gain practical knowledge of map reading, as well as the culture, customs, and connections between people and the places. A foundational knowledge of the lands, the features, the inhabitants, and the phenomena of the earth will help students to gain functional skills in such areas as conflict resolution and appropriate social responses. (social science credit)

U.S. HISTORY (04149A000/24302-24303)
This history of our nation is explored through topics such as the Native Americans, colonization, the American Revolution, Civil War, Industrial Revolution, WWII, and contemporary American issues. The course will include a research project and book report. (social science credit)

CIVICS (04161A000/24304)
This course is the study of the American government systems. The American Flag, Federal and Illinois Constitutions will be covered, as well as local governments. (social science credit)

FUNCTIONAL COMPUTER CONCEPTS (12005A000/24400-24401)
This course provides students with an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. Students will improve their speed and accuracy and produce increasingly complex documents. This course will help students develop keyboard proficiency, document production skills, and problem-solving skills. A focus on Chromebook, Google systems navigation, and email etiquette will be offered. (vocational credit)

COMMUNITY HEALTH (08053A000/24402-24403)
Community Health courses cover not only personal health topics (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on), but also more general health issues. (health credit)

FAMILY LIVING (22208A000/24404)
This course is designed to prepare the student for life after high school. Students will be exposed to basic skills of consumerism, decision making, relationships, critical thinking, and money management. This course satisfies the consumer education graduation requirement. (consumer education credit)

WORK EXPERIENCE (22152A000/24500-24501)
This course is designed to give the student the necessary experience needed for gainful employment through an in-school spirit wear business. The students will develop vocational skills utilizing an online graphic design program and then transfer their designs skills by working with a Cricut machine. Students will learn and develop business plans, organizational methods, marketing strategies, working effectively with others, and money management skills. Students may visit community businesses to better understand work opportunities/internships. (vocational credit)

TRANSITIONAL WORK STUDY (22153A000/24502-24503)
This course is for students with an Individualized Education Plan who are looking to explore career and post secondary education opportunities. As an independent study course, the activities and projects will be designed to fit the student's transition plan. Opportunities may involve research projects, interviews, introduction to field specific vocabulary, vocational observations, field specific articles with reflections, filling out job and/or college applications, resumes`, etc. (vocational credit)

JOB (22998A000/24504)
This course provides students the opportunity to work a paid job within the school building OR at an approved off-campus job site with structure provided by a special education teacher. Students experience a "real job" and what benefits and difficulties are associated with maintaining work duties and expectations. Students will be assisted with individual needs including a job coach if warranted. The student will earn a grade based on both teacher and supervisor evaluations reporting attendance, job performance, communication, and development of required skills. (vocational credit)

RESOURCE (22003A000/24505)
This course is designed to provide students with additional individualized instruction, develop study skills, and to improve time management. (elective credit)

TRANSITIONAL COMMUNICATION (22252A000/24610-24611)
This course is individualized according to each student's condition and needs. Increasing the student's communication skills—oral expression, listening comprehension, reading, and writing—is emphasized; communication techniques in several areas (educational, social, and vocational) are often explored.

TRANSITIONAL JOB SKILLS (22152A000/24606-24607)
This course will help students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking techniques, as well as developing skills and work ethic to maintain employment.

TRANSITIONAL PERSONAL HEALTH (22251A000/24600-24601)
This course places a special emphasis on the student's relationship to the surrounding community. Instruction varies with the students and their needs; however, these courses provide the skills necessary for independent functioning within the surrounding environment. Course topics may also include available community resources and how to access them, emergency skills, and independent living strategies.

TRANSITIONAL FOOD PREPARATION (22202A000/24602-24603)
This course provides students with an understanding of food's role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living.

TRANSITIONAL LEARNING (22251A000/24600-24601)