

# Springfield High School



Course Registration Booklet  
2026-2027

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# Welcome to Course Registration

It's time to start planning your classes for next year! Your Principal and School Counselor will meet with you to talk through your options and help you make a plan that fits your goals.

## How Credits Work

- You have **7 class periods each day**.
- Most students take **6 classes and 1 study hall** each semester.  
**Study halls don't count** toward graduation credits.
- Taking 6 classes each semester for all 4 years gives you the **24 credits** you need to graduate.
- You can take up to **7 classes per semester** and earn as many as **28 credits**.

To graduate, you'll need:

- **16 required credits** (like English, Math, Science, and Social Studies)
- **8 elective credits** (classes you choose based on your interests)

## Planning Ahead

- Think about the classes you want to take from **9th–12th grade**. Your plan might change, but it helps to have a big picture.
- You'll have **fewer elective options in 9th grade**, but a lot more choices by junior and senior year.
- Start exploring **career ideas** now—talk to people who work in jobs that interest you and ask what helped them get there.
- Planning to go to **college?** Contact college reps or check their websites to see what kind of students they look for.
- **Challenge yourself!** High school is your last chance for a free education, so take classes that push you to grow.
- **Ask for help** when you need it—your counselor, teachers, and parents want to help you succeed.

## Your Schedule

We do our best to give you every class you choose, but sometimes schedule conflicts happen. When your schedule is finalized, you'll get a copy. Any changes need to be approved by your principal or counselor.

## How Grading Works

Grades are meant to help you learn and grow, not just to give a number. They show how well you understand the material and what skills you've mastered. Our goal is to give fair, accurate, and timely feedback so you, your teachers, and your family know how you're doing.

### How You'll Be Assessed (Grades 9–12)

#### Formative Assessments – 20% of your grade

- These are **daily checks** to see how you're doing while learning.
- Examples: classwork, practice problems, quizzes, or small assignments.

#### Summative Assessments – 80% of your grade

- These happen at the **end of a unit or topic** to see what you've learned.
- Examples: tests, projects, papers, or presentations.
- **Retakes may be allowed** according to school guidelines, depending on your teacher.

## Graduation Requirements

To **participate in graduation**, you must meet all graduation requirements. You need **24 semester credits**—with semester courses counting as 0.5 credit and year-long courses counting as 1 credit.

You also need **16 hours of community service** by the **first Friday in March** of your senior year. Acceptable service includes helping in school classrooms or offices, assisting custodians, participating in church or community events, helping senior citizens, or volunteering at senior living communities like St. John's Circle of Care.

**Important:** Service cannot be for family members or relatives of significant others, and hours cannot be completed during class time unless it's during **study hall** or approved by the **High School Principal**.

# Credit Requirements for Graduation

To graduate from Springfield High School, you need **24 credits total: 16 required** and **8 elective**. Each **semester course = 0.5 credit**, and **year-long course = 1 credit**.

## Required Courses

### English – 4 credits

- English 9 (1 year)
- English 10 (1 year)
- English 11 or Advanced English 11 (1 year)
- English 12 (1 year)

### Mathematics – 3 credits

- Geometry or Geometry Concepts (1 year)
- Algebra II or Algebra II Concepts (1 year)
- Functions and Statistics (FST) (1 year)
- Applied Financial Mathematics (1 year)

### Social Studies – 4 credits

- American Government / Human Geography (1 year)
- American History (1 year)
- World History (1 year)
- Economics / Civics (1 year)

### Science – 3 credits

- Earth and Space Science (1 year)
- Biology (1 year)
- Chemistry or Chemistry Concepts (1 year)

### Physical Education / Health – 1 credit

- High School PE (1 semester)
- High School Health (1 semester)

### Arts – 1 credit

- Choose an approved arts elective worth 1 credit (one full year). Check course descriptions to see which classes count.

# Dual Credit Options

## College Now - Southwest Minnesota State University

At Springfield High School, you can earn college credit while still in high school through SMSU's College Now program. These are college-level classes taught right here at Springfield High School by our teachers.

Course Name	Description	College Credit
<b>MATH 110 College Algebra</b>	A study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. The required preparation is three years of high school mathematics, including at least Algebra II.	3
<b>ED 101 Introduction to Education</b>	An introduction to early childhood, elementary, and secondary education specifically for students interested in teaching. Students will explore their potential for teaching in light of the admission criteria and licensure requirements. This course includes the study of historical and social foundations of education, and topics such as inquiry in the teaching and learning process; schools in a multicultural and diverse society; the profession of teaching; principles of cooperative group learning; and cultural differences, communication, and stereotyping. The course requires a 20-hour field experience.	3
<b>ED 251 Intro to Growth &amp; Development</b>	This is an introductory study of child growth and development from conception through adolescence with a concentration on the physical, cognitive, and social-emotional domains of development. Emphasis areas of the course include: historical foundations and theories associated with the study of child development, the research process, the implications of teaching and learning, student diversity and pertinent topics associated with the possible effect of environment and behavior on prenatal development through adolescence.	3

## Articulated Classes

Some high school courses are **articulated**, meaning you can earn **college credit or advanced placement** for them after completing the class. These classes are designed to give you a head start on college and save time in your post-secondary education. Visit <https://ctecreditmn.com/schools.php> detailed information about courses and credits.

### Articulated Courses Available at Springfield High School

Animal Science	Horticulture	Workbased Learning
Child Growth & Development	Emergency Medical Responder	Intro to Healthcare Careers
Medical Terminology	Nursing Assistant (CNA)	Construction
Metals I & Metals II	Small Engines	

## Post Secondary Enrollment Options (PSEO)

Springfield students can also take PSEO classes through a variety of Minnesota Colleges. These classes are completed using an online learning platform, and a designated class period during the school day is set aside for you to work on your coursework.

If you are interested in taking PSEO courses, you are responsible for checking admission requirements, completing applications, and submitting forms on time.

### Eligibility

- **10th Grade:** Must pass the 8th grade MCA reading test (“meets or exceeds”) to take **one career or technical course**.
- **11th–12th Grade:** Eligibility varies depending on the college.

### Requirements, Deadlines & Paperwork

**Before enrolling** in a PSEO class, students must attend a PSEO information meeting to learn about PSEO options, eligibility requirements, and the expectation that courses are taken independently. Students who are interested in taking a PSEO class will receive a PSEO packet with step-by-step instructions during registration meetings in their grade-level classrooms.

- **Fall courses:** Forms due to Mrs. Eckstein by **May 30**
- **Spring courses:** Forms due to Mrs. Eckstein by **October 30**
- Enrollment paperwork needs to be completed **each semester**.

# Thinking About Life After High School

Your path after high school depends on your goals, skills, and interests. During **advisory**, we will help you **research different options** and think about what fits your plans. Ask yourself:

- What do I want to do after graduation?
- Do I want to keep learning in college or start working right away?
- Do I want hands-on training, a career in the military, or a 4-year degree?
- What experiences or skills will help me reach my goals?

You can also **talk to Mrs. Eckstein** for guidance on courses, skills, and experiences that match your career or college plans.

## Post-High School Options

Option	What It Is	Key Points
<b>2- Year College / Community College</b>	Programs usually take 2 years	Open enrollment; some programs have skill tests; many students transfer to 4-year colleges
<b>4- Year College / University</b>	Programs usually take 4 years	Admission varies by school and program; consider GPA, course rigor, and entrance exams; prepare with courses from grades 9–12
<b>Apprenticeships / Specialized Training</b>	On-the-job training in a trade or career	Earn while you learn; often no specific admission requirements; examples: business, culinary, cosmetology, technical trades
<b>Military</b>	Enlistment after high school	Provides training, education benefits, and career opportunities; must meet physical, academic, and other eligibility requirements
<b>Entering the Workforce</b>	Start working after graduation	Gain experience and income immediately; may pursue certifications or training later to advance

## NCAA Eligibility Information

*If you want to play college sports, NCAA rules are strict. To stay eligible:*

- **Start planning early:** Pick your core courses in 9th and 10th grade.
- **Register with the NCAA:** Students planning to compete at Division I or II schools must register by **11th grade**.
- **Choose the right account type:** NCAA offers two account types—**Student Athlete Account** (for students planning to play in Division I or II) and **Prospective Student Athlete Account** (for students exploring options or planning to play in Division III).
- **Get guidance:** Talk to your coaches and parents about NCAA rules and course choices.
- **Learn more:** Visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for full details on requirements, registration, and account types.

# College Planning Timeline

## Middle School (7th & 8th Grade)

- Join clubs, sports, and extracurriculars to explore interests
- Focus on good study habits and grades
- Start exploring career interests through online resources or counselor activities
- Learn how to track grades and assignments (e.g., Infinite Campus)
- Develop time management and organizational skills

## Freshman (9th Grade)

- Aim for a strong GPA; start building a record for college
- Learn basic college admission requirements
- Participate in extracurricular activities, volunteering, or clubs
- Explore potential career and college options

## Sophomore (10th Grade)

- Attend career expos, job shadowing, or industry events
- Take interest and career assessments
- Continue exploring extracurriculars and leadership roles
- Start researching colleges, programs, and majors

## Junior (11th Grade)

- Take the ACT/SAT (spring) if needed
- Review and update high school and post-high school plan
- Compile a list of colleges, programs, or military options that match your interests
- Consider summer programs, internships, or volunteer opportunities
- Ensure NCAA eligibility if you plan to play sports in college

## Senior (12th Grade)

- Attend Senior Information Night
- Retake the ACT/SAT if needed
- Complete college applications and meet deadlines
- Complete FAFSA and financial aid applications
- Apply for scholarships (local and national)
- Monitor acceptance letters, housing info, and orientation schedules
- Make final decisions on college, military, apprenticeship, or workforce
- Plan for transition to independence (time management, finances, living skills)

# Academic Testing

Springfield Public Schools administers academic achievement tests each spring. This includes the **Minnesota Comprehensive Assessments (MCA)** and **ACT**. Springfield students in grades 7-12 will also take the FastBridge test in both English and Math in the Fall, Winter and Spring.

## Grade-Level Testing:

- **7th Grade:** Math & Reading MCA
- **8th Grade:** Math, Reading & Science MCA
- **9th Grade:** No testing
- **10th Grade:** Reading & Science MCA
- **11th Grade:** Accuplacer or ACT & Math MCA
- **12th Grade:** No testing

## College Entrance Testing

Some colleges require standardized tests for admission or scholarships. Always **check specific college requirements**.

- **ASVAB:** Military enlistment test to assess eligibility and job placement.  
<https://www.defense.gov/Know-Your-Military/Our-Forces/>
- **MCA Scores:** Used by 2-year colleges and some 4-year colleges to place students in college-level Math and English. Passing 10th grade Reading and 11th grade Math indicates readiness for college courses.
- **Next Generation Accuplacer:** Placement test for English and Math at 2-year colleges.  
<https://studentportal.accuplacer.org/#/home>
- **ACT:** Some 4-year colleges require this test covering English, Math, Reading, and Science (optional writing section). Juniors take it in the spring at Springfield High School; many students test more than once. <https://www.act.org/>

# Online Learning

Springfield High School offers online courses through Edmentum (PLATO) for students who need credit recovery. Students receive a **Pass/Fail** grade for these courses and must maintain passing grades to remain eligible for school activities. Enrollment requires approval from the Principal or School Counselor.

# 9-12 Grade Course Offerings

Agriculture	Grade	Length	Healthcare	Grade	Length
Intro to Ag., Food & Natural Resources	9-12	Semester	Intro to Healthcare Careers-MN West	10-12	Semester
Horticulture	9-12	Semester	Nursing Assistant (CNA)	10-12	Semester
Natural Resources	9-12	Semester	Medical Terminology, CPR & First Aid	11-12	Semester
Animal Science	9-12	Semester	Emergency Medical Responder (EMR)	11-12	Semester
Agri-Business Management	10-12	Semester	Healthcare Work Release	11-12	Semester
Agricultural Education Guided Study	11-12	Semester			
Work Based Learning (2 Hours)	12	Semester	<b>Human Development &amp; Wellness</b>		
			Child Development	9-12	Semester
<b>Art</b>	<b>Grade</b>	<b>Length</b>	Nutrition & Wellness	10-12	Semester
Introduction to Art	9-12	Semester	Health & Wellness Beyond High School	11-12	Semester
Art I: Drawing/Painting	9-12	Semester	Unified Physical Education	11-12	Semester
Art II: Ceramics/Sculpture	9-12	Semester	Leadership & Character Development	11-12	Semester
Art III: Advanced Art	10-12	Semester			
Art IV: Advanced Art	11-12	Semester	<b>Math</b>	<b>Grade</b>	<b>Length</b>
Digital Imaging (Graphic Design)	11-12	Semester	Geometry Concepts	9	Yearlong
			Geometry	9	Yearlong
<b>Education</b>	<b>Grade</b>	<b>Length</b>	Algebra II Concepts	10	Yearlong
Intro to Education-SMSU	11-12	Semester	Algebra II	10	Yearlong
Child Growth & Development-SMSU	11-12	Semester	FST	11	Yearlong
			Applied Financial Mathematics	11-12	Yearlong
<b>English</b>	<b>Grade</b>	<b>Length</b>	Advanced Senior Algebra	12	Semester
English 9	9	Yearlong	College Algebra - SMSU College Now	12	Semester
English 10	10	Yearlong			
English 11	11	Yearlong	<b>Music</b>	<b>Grade</b>	<b>Length</b>
Advanced English 11	11	Yearlong	High School Band	9-12	Yearlong
English 12	12	Yearlong	Concert Choir	9-12	Yearlong
			Performing Arts Technology	11-12	Semester
<b>Fitness</b>					
Lifetime Fitness I, II, III	10-12	Semester	<b>Science</b>	<b>Grade</b>	<b>Length</b>
Advanced Phy. Ed. Games I, II, III	10-12	Semester	Earth and Space Science	9	Yearlong
			Biology	10	Yearlong
<b>Health, PE</b>	<b>Grade</b>	<b>Length</b>	Chemistry Concepts	11-12	Yearlong
High School Physical Education	9	Semester	Chemistry	11-12	Yearlong
High School Health & Wellness	9	Semester	Anatomy & Physiology	11-12	Yearlong
			Ecology	11-12	Semester
			Forensics	11-12	Semester

<b>Social Studies</b>	<b>Grade</b>	<b>Length</b>	<b>Trades</b>	<b>Grade</b>	<b>Length</b>
American Government/Human Geography	9	Yearlong	DIY Woods	9-10	Semester
American History 10	10	Yearlong	Basic Homeowner	10-12	Semester
World History 11	11	Yearlong	Construction	10-12	Semester
Economics	12	Semester	Metals I	10-12	Semester
Civics	12	Semester	Metals II	10-12	Semester
American Studies	10-12	Semester	Small Engines	11-12	Semester
World Studies	10-12	Semester	Automotive Power Systems Mechanics	11-12	Semester
Psychology	11-12	Semester	Manufacturing & Production Design A & B	12	Yearlong
			CDL Theory & Test Prep - SCC	12	Semester
<b>Spanish</b>	<b>Grade</b>	<b>Length</b>			
Spanish I	9-12	Yearlong			
Spanish II	10-12	Yearlong			
Spanish III	11-12	Yearlong			
Spanish IV	12	Yearlong			

# Agriculture

## Intro to Ag., Food & Natural Resources

AG100

**Graduation Requirement:** Elective

**Grade:** 9-12

**Credit:** 0.5

**Description:** Explore careers and skills in agriculture through topics like plant science, animal science, and natural resources. Participate in FFA activities and complete your own Supervised Agricultural Experience (SAE) project. This introductory course includes hands-on activities and projects designed to develop employability skills, leadership, and practical knowledge in areas such as communication, mechanics, energy, and environmental science.

## Horticulture

AG101

**Graduation Requirement:** Art Elective

**Grade:** 9-12

**Credit:** 0.5

**Description:** Learn about plant growth, greenhouse production, landscape design, and floriculture. Students explore plant concepts, insects, diseases, and propagation through hands-on labs, while developing skills to create quality products such as corsages, boutonnieres, vases, and gardening projects.

## Natural Resources

AG102

**Graduation Requirement:** Elective

**Grade:** 9-12

**Credit:** 0.5

**Description:** Study wildlife identification, conservation, and the management of game birds, fish, and small and large mammals. Explore how human activities—like energy production, recreation, hunting, and restoration—impact natural resources. You'll also learn about alternative energy sources such as solar and wind power.

## Animal Science

AG103

**Graduation Requirement:** Elective

**Grade:** 9-12

**Credit:** 0.5

**Description:** This course introduces students to companion and livestock animal science, including dogs, cats, cattle, swine, horses, rabbits, sheep, and select exotic species. Students will learn the basics of anatomy, nutrition, genetics, reproduction, and animal care. Hands-on activities may include dissections, farm tours, and live animal work. Students will complete a small-animal presentation and an SAE project.

## Agri-Business Management

AG201

**Graduation Requirement:** Elective

**Grade:** 10-12

**Credit:** 0.5

**Description:** This course introduces students to the fundamentals of agricultural business. Students will explore how farms and ag businesses are managed, how products are marketed, and how basic finances and taxes play a role in daily operations. Topics include farm management, marketing, sustainability, and the use of technology in modern agriculture. Through hands-on projects and real-world examples, students will build practical skills in business management.

## Agricultural Education Guided Study AG300

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5

**Description:** Designed for students who want to continue FFA participation after completing Ag courses. Requires teacher and principal approval. Course content and goals are personalized.

## Work Based Learning AG400

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 12	<b>Credit:</b> 1 (2-periods)

**Description:** Work-Based Learning provides students with hands-on experience in a professional setting while earning high school credit. This program integrates real-world workplace experiences with classroom learning to help students develop job skills, explore career interests, and build professional habits. Areas of focus may include Agriculture, Business, Marketing, Family & Consumer Science, Health Occupations, Service, or Technical Careers. Students must demonstrate interest in a career area and have completed relevant preparatory courses. For example, students interested in Animal and Plant Science should first complete agriculture classes.

# Art

## Introduction to Art ART100

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 9-12	<b>Credit:</b> 0.5

**Description:** Learn the basics of art by exploring the Elements of Art and Principles of Design. Try different materials like pencil, charcoal, pastel, watercolor, acrylics, wire, collage, and more. Develop your own style while learning to discuss, analyze, and critique your work and the work of others.

## Art I: Drawing/Painting ART101

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 9-12	<b>Credit:</b> 0.5
<b>Prerequisite:</b> Introduction to Art	

**Description:** This course focuses on both drawing and painting. Learn observational and imaginative drawing techniques, linear perspective, shading, and color theory. Experiment with different painting media including acrylics, oils, and watercolors. Study art from famous artists and develop your own projects from sketch to finished work.

## Art II: Ceramics/Sculpture

ART102

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 9-12	<b>Credit:</b> 0.5
<b>Prerequisite:</b> Introduction to Art	

**Description:** Explore pottery and sculpture techniques. Learn hand-building, wheel-throwing, and slip casting with clay. You'll also experiment with 3D materials like foam board, wire, and found objects to create both functional and decorative art.

## Art III –Advanced Art Course

ART103

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 10-12	<b>Credit:</b> 0.5
<b>Prerequisite:</b> Intro to Art, Art I, Art II & B average in Art	

**Description:** Take your skills to the next level with advanced drawing and painting techniques. Study portraits, imaginative pieces, and different materials while learning art history. Build your portfolio and participate in peer critiques to grow as an artist.

## Art IV –Advanced Art Course

ART104

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5
<b>Prerequisite:</b> Intro to Art, Art I, Art II, Art III & B average in Art	

**Description:** This course further develops advanced art skills. Explore a variety of materials, both observational and imaginative art, and study art history. Peer critiques and portfolio development help showcase your artistic growth.

## Digital Imaging (Graphic Design)

ART105

<b>Graduation Requirement:</b> Art Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5

**Description:** Learn modern design skills using Adobe software like Photoshop, Illustrator, Lightroom, and InDesign. Explore digital photography, design, and page layout. Create digital art while learning about careers in graphic design, motion graphics, and digital imaging.

## Education

### Introduction to Education

EDU500

**Graduation Requirement:** Elective

**Grade:** 11-12

**Credit:** 0.5

**Prerequisite:** Meet College Now admission requirements

**Description:** ED 101 is an introduction to early childhood, elementary, and secondary education specifically for students interested in teaching. Students will explore their potential for teaching in light of the admission criteria and licensure requirements. This course includes the study of historical and social foundations of education, and topics such as inquiry in the teaching and learning process; schools in a multicultural and diverse society; the profession of teaching; principles of cooperative group learning; and cultural differences, communication, and stereotyping. Twenty hours of field experience is mandatory.

### Intro to Child Growth & Development

EDU501

**Graduation Requirement:** Elective

**Grade:** 11-12

**Credit:** 0.5

**Prerequisite:** Meet College Now admission requirements

**Description:** This is an introductory study of child growth and development from conception through adolescence with a concentration on the physical, cognitive, and social-emotional domains of development. Emphasis areas of the course include: historical foundations and theories associated with the study of child development, the research process, the implications of teaching and learning, student diversity and pertinent topics associated with the possible effect of environment and behavior on prenatal development through adolescence.

## English Language Arts

### English 9

ENG 101 A/B

**Graduation Requirement:** English

**Credit:** 1

**Description:** Build a strong foundation in reading, writing, and speaking. You'll practice public speaking through a variety of speeches, improve your writing through essays, and explore different types of literature. This course helps you connect what you read to real-life experiences and prepares you for future English classes.

### English 10

ENG 201 A/B

**Graduation Requirement:** English

**Credit:** 1

**Pre-Requisite:** English 9

**Description:** Strengthen your reading, writing, speaking, and listening skills. You'll study different types of literature, learn how to analyze what authors say and why, and improve grammar and vocabulary. Expect to practice group communication, public speaking, and using evidence from texts in your writing.

## English 11

ENG 301 A/B

Graduation Requirement: English	Credit: 1
Pre-Requisite: English 9 &10	

**Description:** Focus on reading enjoyment and improving academic writing. You'll read novels and plays, complete writing and speaking assignments, and take part in group work. The fall semester emphasizes presentations and speaking, while spring focuses more on writing. ACT prep is included throughout the year.

## Advanced English 11

ENG 302 A/B

Graduation Requirement: English	Credit: 1
Pre-Requisite: Must pass 10th Grade MCA Reading & written essay test in English 10	

**Description:** Prepare for college-level reading and writing. You'll study American literature and connect it to historical events like the Salem Witch Trials, the Civil Rights Movement, and the Great Depression. Expect frequent writing, research projects, and class presentations—including a major research paper. ACT prep is also built into the course. This course is highly recommended before taking College English. Students should be prepared to complete work outside of class and are encouraged to take a study hall during their junior year.

## English 12

ENG 401 A/B

Graduation Requirement: English	Credit: 1
Pre-Requisite: English 9, 10, 11	

**Description:** Get ready for life after high school! You'll sharpen your critical thinking through literature, practice real-world writing (like resumes and cover letters), and reflect on personal growth through essays. The year ends with the Bare Book Project, a creative way to showcase your writing and celebrate your time at Springfield High School.

# Fitness

## Lifetime Fitness (I-III)

HPE200, HPE300, HPE400

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5

**Description:** Create and follow an individual fitness and nutrition plan while participating in lifetime activities. Courses are interchangeable and focus on personal health and wellness.

## Advanced Phy. Ed. Games

HPE201, HPE301, HPE401

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5

**Description:** Develop strategies, skills, and fitness through team sports and cooperative activities. Units include soccer, volleyball, basketball, pickleball, badminton, ultimate frisbee, and more. Students also lead skill instruction and warm-ups.

## Health & Physical Education

### High School Physical Education

HPE101

**Graduation Requirement:** Physical Education

**Grade:** 9

**Credit:** 0.5

**Description:** Learn a variety of sports and activities to stay fit for life. Units include football, volleyball, basketball, soccer, ultimate frisbee, floor hockey, badminton, kickball, and cooperative games.

### High School Health and Wellness

HPE100

**Graduation Requirement:** Health

**Grade:** 9

**Credit:** 0.5

**Description:** Focus on the eight dimensions of wellness: intellectual, spiritual, emotional, physical, financial, social, environmental, and occupational. Topics include mental health, nutrition, body systems, and human sexuality. Students can also earn a community CPR/first aid certification.

## Healthcare

### Introduction to Healthcare Careers

HC200

**Graduation Requirement:** Elective

**Grade:** 10-12

**Credit:** 0.5

**Description:** Explore the world of healthcare! Learn about different careers, workplace culture, and basic medical concepts. Topics include career planning, employability skills, medical terminology, ethics, wellness, common diseases, and safety.

### Nursing Assistant

HC201

**Graduation Requirement:** Elective

**Grade:** 10-12

**Credit:** .5

**Pre-Requisite:** You need to be 16 to take the CNA test at the end of the course

**Description:** Learn basic nursing skills and human care, including personal care, nutrition, safety, vital signs, and communication. Students practice skills in a lab setting and complete a clinical experience with geriatric clients. Successful students can take the Minnesota Nurse Aide Competency Exam for certification.

## Medical Terminology/ Cardiopulmonary Resuscitation (CPR) and First Aid

HC202

Graduation Requirement: Elective	
Grade: 11-12	Credit: .5

**Description:** Medical Terminology emphasizes defining medical prefixes, root words, suffixes, and abbreviations related to each body system. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. Cardiopulmonary Resuscitation (CPR) and First Aid provides a basic understanding of first aid and CPR principles. Students learn how to respond to common first aid emergencies, including burns, cuts, head, neck and back injuries. Students learn how to respond to cardiac and breathing emergencies in adults including the use of AEDs. Students will be certified in basic life support (BLS).

## Emergency Medical Responder

HC203

Graduation Requirement: Elective	
Grade: 11-12	Credit: .5

**Description:** This course provides an overview of the emergency medical services system and the responsibilities of an emergency medical responder. Students will learn some of the most important assessments and treatments performed by emergency medical responders and gain an appreciation of the thought and care that goes into providing immediate lifesaving care to critical patients. Certification available for students who complete the course in good standing.

## Healthcare Work Release

HC300

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Pre-Requisite: Employment at an eligible facility	

**Description:** Earn elective credit while working at St. John's Circle of Care. For every 350 hours worked, including summer hours, students earn one elective credit. Work can be scheduled during 7th period if available, and hours are verified for transcript credit.

# Human Development & Wellness

## Child Development

HPE100

Graduation Requirement: Health	
Grade: 9-12	Credit: 0.5

**Description:** Study childhood growth from conception to preschool. Topics include family dynamics, prenatal development, infant milestones, emotional and social growth, and career options in human services.

## Nutrition & Wellness

HPE202

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5

**Description:** In Nutrition and Wellness we learn about how to be a smart consumer, proper use of appliances and utensils in the kitchen, food safety, dietary guidelines, healthy lifestyles, and group up in the lab to practice our new skills! By the end of the course, students will be equipped with the knowledge and confidence to build sustainable, healthy habits that support their well-being now and into adulthood.

## Health & Wellness Beyond High School

HPE303

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Prerequisite: High School Health & Wellness	

**Description:** Health & Wellness Beyond High School is a practical, forward-looking course designed to prepare students for the physical, mental, social, and financial challenges of adulthood. As juniors and seniors prepare for life after graduation—whether entering college, the workforce, or the military—this course equips them with the knowledge and skills needed to make informed, healthy decisions. Students will explore topics such as stress management, sleep and nutrition, healthy relationships, personal safety, mental health awareness, navigating the healthcare system, financial wellness, and building lifelong habits that support overall well-being. Through hands-on activities, real-world scenarios, guest speakers, and self-reflection, students will develop confidence and competence in managing their health independently.

By the end of the course, students will be able to apply practical strategies for maintaining balance, advocating for their own health needs, and creating a personalized wellness plan for life after high school. This course empowers students to take ownership of their well-being and thrive in the transition to adulthood.

## Unified Physical Education

HPE302

Graduation Requirement: Elective	
Grade: 11-12	Credit: No credit earned

**Description:** Work alongside peers of varying abilities in fitness, sports, and wellness activities. Serve as a teaching assistant to support students with disabilities while promoting an equitable and inclusive environment

## Leadership & Character Development

HPE403

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5

**Description:** This course helps students develop leadership skills, confidence, and good character through movement, teamwork, and hands-on activities. Lessons emphasize respect, accountability, perseverance, and making positive choices in everyday life.

# Mathematics

## Geometry Concepts

MTH101 A/B

Graduation Requirement: Math	Credit: 1
Pre-Requisite: Algebra I	

**Description:** This course covers measurements of shapes, logical reasoning and proofs, and applying geometry to solve real-world and mathematical problems. Students will also use algebra to solve geometric problems.

## Geometry

MTH102 A/B

Graduation Requirement: Math	Credit: 1
Pre-Requisite: Algebra I	

**Description:** Covers polygons, transformations, congruence, area/volume, similarity, circles, and right triangles. Students learn how geometry applies to real life, science, art, engineering, and college entrance exams.

## Algebra II Concepts

MTH201 A/B

Graduation Requirement: Math	Credit: 1
Pre-Requisite: Geometry Concepts/Geometry	

**Description:** Reinforces Algebra I and introduces higher-level equations and inequalities. Prepares students for advanced math courses and builds strong algebra skills.

## Algebra II

MTH202 A/B

Graduation Requirement: Math	Credit: 1
Prerequisite: Geometry	

**Description:** Covers essential algebra concepts, equations, graphs, and real-life applications. Focuses on preparing students for college, standardized tests, and understanding math in the real world.

## Functions Statistics & Trigonometry

(FST) MTH302 A/B

Graduation Requirement: Math	Credit: 1
Pre-Requisite: Algebra II or with permission	

**Description:** Focuses on statistics, functions, and trigonometry, essential for college-level math, calculus, and careers in engineering, sciences, journalism, business, and more.

## Applied Financial Mathematics

MTH301 A/B

Graduation Requirement: Math	Credit: 1
Pre-Requisite: Completion of two years of high school math	

**Description:** This course helps juniors and seniors strengthen essential math skills through review and real-world application. Students will revisit key math concepts while learning personal finance topics such as budgeting, credit, loans, interest, and taxes to prepare for life after high school.

## Advanced Senior Algebra

MTH401

Graduation Requirement: Elective	Credit: 0.5
Pre-Requisite: FST or with approval	

**Description:** Prepares seniors for college-level math, including College Algebra. Covers equations, inequalities, complex numbers, functions, radicals, matrices, and problem-solving strategies.

## College Algebra (College Now) - MTH500

Graduation Requirement: Math	Credit: 0.5
Pre-Requisite: Meet SMSU College Now Requirements, Instructor Approval	

**Description:** A study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. The required preparation is three years of high school mathematics, including at least Algebra II.

# Music

## High School Band

MUS100 A/B

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 1
Pre-Requisite: Previous playing experience needed	

**Description:** This performance-based band is for students with prior band experience. Students are graded on their ability to perform assigned music and improve over time. Individual and group lessons are scheduled during the school day. Attendance is required at all concerts, Large Group Contest in March, and Pep Band performances at athletic events.

## Concert Choir

MUS101 A/B

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 1

**Description:** A year-long choir for students who enjoy singing. Students develop vocal technique, music reading skills, and ensemble performance. Attendance is required at all concerts and Large Group Contest in March. Private voice lessons are scheduled during the school day, and students are encouraged to participate in Solo and Small Ensemble Contest.

## Performing Arts Technology

### MUS104

Graduation Requirement: Elective	
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Grade: 11-12	Credit: 0.5
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**Description:** A hands-on semester course where students learn to design and operate technology for performing arts. Topics include lighting, sound, microphones, recording, set building, stage design, and acoustics. Students complete a final project designing their own show using lights and sound.

## Science

### Earth and Space Science

#### SCI100 A/B

Graduation Requirement: Science	Credit: 1
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**Description:** Explore Earth's environment, atmosphere, and solar system. Topics include geology, meteorology, and astronomy. Students participate in labs, online simulations, and discussions to understand weather, Earth's layers, rocks/minerals, the solar system, and constellations.

### Biology

#### SCI200 A/B

Graduation Requirement: Science	Credit: 1
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**Description:** Introduction to life sciences including cells, DNA, genetics, natural selection, and ecology. Students learn through science practices like asking questions, modeling, planning investigations, and analyzing data, emphasizing connections between biology and the scientific process.

### Chemistry Concepts

#### SCI300 A/B

Graduation Requirement: Science	
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Grade: 11-12	Credit: 1
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**Description:** Designed for students who want a foundational understanding of chemistry without a college-focused path. Explore atoms, molecules, chemical reactions, and real-world applications using hands-on labs and math skills from Algebra I.

### Chemistry

#### SCI301 - A/B

Graduation Requirement: Science	
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Grade: 11-12	Credit: 1
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**Description:** Prepares students for college-level chemistry. Covers matter, chemical interactions, and lab techniques, using algebra and hands-on experiments. Recommended for students planning to major in a science field.

### Anatomy and Physiology

#### SCI303 A/B

Graduation Requirement: Elective	
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Grade: 11-12	Credit: 1
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**Description:** A college prep course focused on human anatomy and physiology, essential for health and medical careers. Topics include body organization, systems (skeletal, muscular, nervous, circulatory, respiratory, urinary, digestive), homeostasis, and medical terminology. Includes dissections of sheep organs and fetal pigs.

## Ecology SCI304

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5

**Description:** Study ecosystems, soils, forests, aquatic habitats, and wildlife. Explore biodiversity, ecological management, and human impact on the environment. Great for students interested in natural resources, agriculture, or environmental careers.

## Forensic Science SCI305

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5

**Description:** Learn how crime scene investigators collect and analyze evidence. Topics include intro to forensics, fingerprints, blood/blood spatter, death and decomposition, and toxicology. Hands-on labs and case studies simulate real forensic work.

# Social Studies

## American Government/Human Geography SST100 & SST101

<b>Graduation Requirement:</b> Social Studies	<b>Credit:</b> 1
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**Description:** The study of American Government focuses on citizenship—rights and responsibilities—as well as federal, state, and local governments. Students will also explore the election process, social and economic challenges facing our country, and economic systems. Human Geography examines how humans interact with the world through five key themes: population growth and migration, culture, political geography, food and agriculture, industrialization, and resource use.

## American History 10 SST200 A/B

<b>Graduation Requirement:</b> Social Studies	<b>Credit:</b> 1
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**Description:** This course studies modern American history from the year 1800 to the present day. Students will analyze political, social, and economic patterns across several eras, including Westward Expansion, Civil War and Reconstruction, Urbanization and Industrialization, Economic Crises and Recovery, and major global conflicts of the 20th century and their relevance today.

## World History SST300 A/B

<b>Graduation Requirement:</b> Social Studies	<b>Credit:</b> 1
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**Description:** World History explores the development and transformation of civilizations throughout time. Units include: The Beginnings of Civilization, The Growth of Civilization, The World in Transition, The Age of Exploration, Absolutism to Revolution, and Industrialization and Nationalism.

## Economics SST401

<b>Graduation Requirement:</b> Social Studies	<b>Credit:</b> 0.5
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**Description:** Students learn how people and societies use limited resources to fulfill unlimited wants. Key concepts include scarcity, opportunity cost, decision-making, economic systems, trade, supply and demand, free enterprise, and consumer economics.

**Civics**  
SST400

<b>Graduation Requirement:</b> Social Studies	<b>Credit:</b> 0.5
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**Description:** Civics prepares students to be informed, active citizens. Topics include the foundations and principles of government, the Constitution, civil rights and liberties, voting and elections, and the role of state and local governments.

**American Studies**  
SST201

<b>Graduation Requirement:</b> Social Studies	
<b>Grade:</b> 10-12	<b>Credit:</b> 0.5

**Description:** This course explores key events and issues in U.S. history, domestic policy, and foreign relations. Students examine topics such as the American Revolution, Westward Expansion, Civil War, World Wars, the Cold War, and current events that shape public discourse today.

**World Studies**  
SST202

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 10-12	<b>Credit:</b> 0.5

**Description:** This course explores key events and issues in U.S. history, domestic policy, and foreign relations. Students examine topics such as the American Revolution, Westward Expansion, Civil War, World Wars, the Cold War, and current events that shape public discourse today.

**Psychology**  
SST301

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5

**Description:** Psychology introduces students to the study of human behavior and mental processes. Topics include development, learning, memory, personality, stress, abnormal psychology, and social behavior.

# Spanish

## Spanish I SPAN100 A/B

**Graduation Requirement:** Elective

**Grade:** 9-12

**Credit:** 1

**Description:** Students learn basic Spanish through conversations, readings, and activities. Focus is on reading and listening comprehension with some beginning writing. Students also explore the products and practices of Spanish-speaking cultures around the world.

## Spanish II SPAN200 A/B

**Graduation Requirement:** Elective

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Spanish I

**Description:** Students build on Spanish I skills using longer texts and short novels. Focus is on reading and listening comprehension, with opportunities to expand speaking and writing. Cultural topics from Spanish-speaking countries are explored through authentic materials.

## Spanish III & IV SPAN300 A/B & SPAN400 A/B

**Graduation Requirement:** Elective

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Spanish II or admittance by instructor

**Description:** Advanced students improve reading, listening, writing, and speaking skills using engaging texts and short novels. Authentic resources provide real-world exposure to language and culture. Eligible students can join La Sociedad Honoraria Hispánica (Spanish NHS).

# Trades

## DIY Woods IA 100

**Graduation Requirement:** Elective

**Grade:** 9-10

**Credit:** 0.5

**Pre-Requisite:**

**Description:** In this introductory wood shop course students will learn basic woodworking skills and shop safety. Through hands-on learning, students will use tools, follow plans, and complete small woodworking projects.

## Basic Homeowner IA 203

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5

**Description:** Gain practical skills for home and car maintenance. Topics include plumbing, cosmetic repairs, and simple car care such as oil changes and tire repair. Designed for beginners.

## Construction IA 202

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Pre-Requisite: DIY Woods	

**Description:** Learn essential construction skills including measuring, framing, concrete work, basic plumbing and electrical, sheetrocking, and siding. Perfect for students interested in construction careers.

## Metals I IA 200

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5

**Description:** Learn sheet metal work, welding, cutting, gas forging, and safe tool use. Students will design and build their own metal project.

## Metals II IA 201

Graduation Requirement: Elective	
Grade: 10-12	Credit: 0.5
Pre-Requisite: Metals I	

**Description:** Build on Metals I skills with advanced welding, metal fabrication, and project design. Students must have a project they want to create, including drawing a plan, estimating costs, and obtaining materials (students pay for their projects). If a student does not have a project, they should meet with the instructor before the class to select an appropriate project. Lab equipment includes CNC plasma tables and lasers.

## Small Engines IA 206

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5

**Description:** Learn small engine repair and basic automobile maintenance in both classroom and lab settings. Emphasis on hands-on practice and safe tool use.

## Automotive Power Systems Mechanics

IA 205

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 11-12	<b>Credit:</b> 0.5
<b>Pre-Requisite:</b> Small Engines	

**Description:** Study automotive electrical systems, mechatronics, CNC, hydraulics, and electric motors. Hands-on learning develops skills for advanced mechanical and electrical work.

## Manufacturing and Product Design

IA300 A/B

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 12	<b>Credit:</b> 1
<b>Pre-Requisite:</b> Metals I and Metals II	

**Description:** Explore careers in manufacturing and engineering. Learn blueprint reading, product design, production processes, safety, welding, machining, electrical controls, and automation. Students create, market, and sell their own projects.

## CDL Class A Online Theory & Test Prep

CDL

<b>Graduation Requirement:</b> Elective	
<b>Grade:</b> 12	<b>Credit:</b> .5

**Description:** Students can complete a self-paced CDL Online Theory and Test Prep course at no cost through the D2L platform. The course includes readings, videos, and quizzes based on the J.J. Keller Entry-Level Driver Training Manual to prepare for the CDL written test. Students must score at least 80% on each assessment to progress. While the online portion is covered by Springfield High School, students are responsible for the behind-the-wheel training, which can be self-funded or supported through community partners. This course is a great first step toward a professional driving career while still in high school.