

Springfield High School



Course Registration Booklet 2025-2026

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General Registration Information

This registration booklet serves as a guide for the upcoming school year's registration process. The Principal and School Counselor will personally discuss available opportunities with each Springfield student annually.

With seven class hours daily, selecting seven courses per semester for four years results in 28 credits upon graduation. Most students opt for six courses per semester plus a study hall, although study halls do not contribute towards graduation credits. Choosing this option for all four years yields the minimum requirement of 24 total credits. Students have the flexibility to tailor their program to their needs, but should keep the 24 credit minimum in mind.

Our curriculum comprises required and elective courses, with graduation contingent upon passing 16 required and 8 elective credits. We take pride in providing outstanding education and future preparation. As you plan your courses for the next academic year, here are some key considerations:

- **Create a plan of the courses you would like to take in high school (9-12).** It may change along the way, but knowing where you want to be as a senior will shape your decisions now.
- In 9th grade, your course options for electives may be more limited compared to what will be available in 11th and 12th grade.
- Explore your interests beyond high school by reaching out to professionals in fields that intrigue you. Inquire about the recommended preparations they suggest for pursuing those careers.
- Boost your appeal to colleges by reaching out to admissions representatives to understand their desired candidate profile. This is particularly crucial for those eyeing highly selective schools.
- Consider enrolling in challenging courses now. This is your final chance for a tuition-free education; post-secondary education comes with costs.
- Seek assistance from your counselor, advisor, parents, or a teacher. We're here to support you in your academic journey.
- Parents, take an active role in guiding your student's course selection process.
- While we strive to accommodate all registered courses in your schedule, there may be instances where a selected course cannot be scheduled.
- Once your schedule is finalized, you'll receive a copy. Changes will only be made with approval from your counselor.

Grading for Learning

We view grades as valuable feedback for students, staff, and families to enhance learning. Our grading practices aim to foster reflection and promote academic excellence for every student without being punitive. Grades reflect the current mastery level of essential knowledge and skills in each subject and grade level. We expect our grading system to be accurate, specific, fair, and timely, providing clear feedback on progress towards learning goals for students, families, and teachers.

In grades 9-12, students will be assessed through two methods:

- Formative Assessment (20% of final grade): Daily checks of understanding and skill practice.
- Summative Assessment (80% of final grade): Evaluation of student learning at the end of a unit or standard. Summative assessments may be retaken within the school's reassessment guidelines, at the teacher's discretion.

Graduation Requirements

To participate in graduation ceremonies, seniors must fulfill all graduation requirements. Starting from the summer before their senior year, students from the class of 2016 and beyond must earn 24 semester credits, where each semester course counts as 0.5 credits and each year-long course counts as 1 credit.

Additionally, seniors must complete sixteen (16) hours of community service by the first Friday in March of the year they graduate. Examples of acceptable community service activities include:

- Assisting in Elementary or High School classrooms or offices during study hall
- Aiding custodians during study hall or outside school hours
- Contributing to church activities
- Helping senior citizens with tasks like window washing, lawn mowing, or shoveling
- Participating in community or school events
- Volunteering at senior living communities like St. John's Circle of Care

Please note that service hours CANNOT be completed for family members, relatives, or relatives of significant others. Moreover, these hours cannot be accumulated during scheduled class time unless it is done during study hall or with prior approval from the High School Principal.

Core Class Requirements

Students who graduate from Springfield High School need to earn 24 credits

(16 required credits / 8 elective credits)

Each semester class is worth .5 credits

English: 4 total credits

- Full year (1 Credit) of English 9
- Full year (1 Credit) of English 10
- Full year (1 Credit) of English 11 or Advanced English 11
- Full year (1 Credit) of English 12 or PSEO English

Mathematics: 3 total credits

- Full year (1 credit) of Geometry or Geometry Concepts
- Full year (1 credit) of Algebra II or Algebra Concepts
- Full year (1 credit) of FST (Functions and Statistics) or FST Concepts

Social Studies: 4 total credits

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

Science: 3 total credits

- Full year (1 credit) of Earth and Space Science
- Full year (1 credit) of Biology
- Full year (1 credit) of either Chemistry or Chemistry Concepts.

Physical Education / Health: 1 total credit

- One semester (.5) of High School Physical Education
- One semester (.5) of High School Health.

Art: 1 total credit

- Students are required to complete one credit of Arts elective courses. Refer to our course descriptions for details on which classes fulfill this requirement.

Dual Credit Options

Southwest Minnesota State University

At Springfield High School, students can earn college credit through Southwest Minnesota State University's College Now program. This concurrent enrollment initiative offers high school students a college-level experience comparable to university classrooms. College Now courses, available to juniors and seniors during regular school hours, demand rigor and commitment similar to university-level courses.

Minnesota West Community & Technical College

Students at Springfield High School have the option to take online PSEO classes through MN West Community and Technical College. These classes provide a designated class period within the school day for coursework completion. Utilizing an online learning platform, students engage in independent study.

Admission requirements for these dual enrollment options are as follows:

10th Grade: Complete the 8th grade Minnesota Comprehensive Assessment (MCA) reading test and meet the proficiency of “meets or exceeds.” Sophomores who qualify for PSEO may enroll in one career and technical education course.

11th-12th Grade: Have a 2.8+ GPA

PSEO at other Minnesota Colleges

If you are interested in taking a PSEO (Postsecondary Enrollment Options) course at any other Minnesota college, it is important to know that you are responsible for understanding the admission requirements and gathering any necessary documentation or forms needed for enrollment. Each college has its own process and deadlines, so be sure to research the specific requirements of the institution you are interested in. It is up to you to complete the application and ensure all materials are submitted on time.

Enrollment Deadlines

All students interested in participating in any dual enrollment option must have forms submitted to Springfield High School by May 30 for fall courses and October 30 for spring courses each year.

Students are required to meet with the School Counselor to review their PSEO course plan and complete the necessary paperwork each semester.

Career & College Preparation

Options abound! Your path in high school hinges on your aspirations post-graduation. Each post-secondary institution sets its unique standards. Beyond academics, colleges may weigh factors like extracurricular involvement, leadership, and work experience, especially at selective institutions.

Curious about the requirements for your dream job or desired college? Visit your counselor for tailored guidance on career paths and admission prerequisites for any institution.

Community Colleges:

With open enrollment policies, community colleges admit students with a high school diploma. Some programs may have specific requirements or skill assessments. These programs usually span two years, though shorter diploma and certificate options exist. Many students transfer to 4-year colleges, often with seamless transition programs.

Vocational-Technical Colleges (Vo-Tech):

Similar to community colleges, Vo-Tech schools offer diverse training options and follow open enrollment policies. Programs typically focus on hands-on learning and can be completed in two years or less. Some programs may have specific entrance criteria.

Private Technical Schools:

Private vocational schools like Dunwoody or Brown College may require certain courses, especially in industrial arts and math. Entrance requirements vary by institution.

Specialized Training & Apprenticeships:

Business, culinary, and cosmetology schools usually have no specific admission criteria. Apprenticeships offer on-the-job training alongside earning potential.

4- Year Colleges and Universities:

Admission criteria differ widely and depend on chosen fields of study. Factors like course rigor, GPA, and college entrance exam scores are considered. High school preparation typically involves a mix of courses across grades 9-12. For specific requirements, consult your counselor or college websites.

NCAA Eligibility Information

NCAA eligibility for student athletes is strict, with specific rules that must be adhered to in order to qualify. Parents and students should carefully review the guidelines and consult with coaches at prospective colleges. Core course planning should ideally commence in 9th and 10th grades. Students aiming to compete in sports at the DI or DII level post-graduation should register with the NCAA by their 11th grade year. For details on the rules and registration process, visit www.eligibilitycenter.org.

College Planning Timeline

7th & 8th Grade:

- Engage in school activities beyond athletics, such as clubs and other extracurriculars.
- Monitor grades in Infinite Campus; seek support if needed.

9th Grade:

- Maintain high grades to achieve the highest GPA possible.
- Develop a four-year high school and post-high school plan.
- Familiarize yourself with basic college admission requirements.
- Participate in extracurricular activities.

10th Grade:

- Attend the Career Expo in New Ulm.
- Begin exploring your interests, abilities, and values to align with career and post-high school options.
- Engage in career exploration activities with Mrs. Eckstein.

11th Grade:

- Consider factors important to you for college selection, such as size, location, majors, and cost.
- Compile a list of colleges or military branches that match your criteria.

- Review and update your high school and post-high school plan with your counselor; register for senior year.
- Take the ACT offered in school during the spring.
- Explore college campuses and meet with recruiters if considering the military.

12th Grade:

- Attend Senior Information Night before school starts.
- Retake the ACT if desired or necessary.
- Complete the college admission process with your counselor; aim to submit applications by MEA.
- Watch for Financial Aid and FAFSA information in September/October.
- Research and apply for scholarships; local scholarships will be presented in February.
- Monitor mail and email for communication from colleges regarding housing, orientation, and other pre-attendance steps.
- Await acceptance notifications from colleges/universities.
- Stay alert for financial aid award notifications.

Academic Testing

Springfield Public Schools completes academic achievement testing in the spring of each school year. Testing includes the Minnesota Comprehensive Assessments (MCA) and ACT testing. Each academic school year, students will complete the following MCA and/or ACT tests.

- 7th Grade: Math and Reading MCA
- 8th Grade: Math, Reading and Science MCA
- 9th Grade: No Testing
- 10th Grade: Reading and Science MCA
- 11th Grade: ACT and MCA Math
- 12th Grade: No Testing

College Entrance Requirements

In addition to meeting general entrance requirements, some colleges and universities may require students to take one or more national standardized tests. While many institutions have shifted to test-optional admission processes, test scores are still utilized for scholarship awards in some cases. It's advisable to verify specific testing requirements with the colleges you're interested in.

ASVAB: This test is used by military branches to assess enlistment eligibility and determine qualification for specific military roles. For more details, visit <https://www.defense.gov/Know-Your-Military/Our-Forces/>

MCA Scores: All two-year colleges and some four-year colleges utilize MCA scores to place students into college-level Math and English classes. Passing the MCA Reading (10th grade) and MCA Math (11th grade) exams indicates readiness for college-level coursework.

Next Generation Accuplacer: Two-year Community and Technical Colleges employ this test as a placement assessment for certain English and Math courses. Practice resources are available at <https://studentportal.accuplacer.org/#/home>.

ACT: Some four-year colleges may require the ACT, a comprehensive test covering English, Math, Reading, and Science, with an optional writing section required by a few institutions. Most students take the ACT for the first time in the spring of their junior year, and multiple attempts are common. Springfield High School offers one test date during the school day for juniors in the spring. For more information, visit <https://www.act.org/>.

Online Learning

Springfield High School employs an online learning platform called "Edmentum" to offer courses in instances where local elective classes are not feasible in a student's schedule. These online electives also facilitate credit recovery if a student fails a course. Credits earned through these classes contribute towards graduation requirements, and similar to local electives, students must maintain passing grades to participate in activities. Enrollment in these classes is determined by the High School Office, with students required to meet with the High School Principal or School Counselor for approval.

9-12 Grade Course Offerings

Agriculture	Grade	Length	English	Grade	Length
Intro to Ag., Food & Natural Resources	9-12	Semester	English 9	9	Yearlong
Horticulture	9-12	Semester	English 10	10	Yearlong
Natural Resources	9-12	Semester	English 11	11	Yearlong
Animal Science	9-12	Semester	Advanced English 11	11	Yearlong
Agri-Business Management	10-12	Semester	English 12	12	Yearlong
Agricultural Education Guided Study	11-12	Semester			
Work Based Learning (2 Hours)	12	Semester			
			Health, PE & Fitness	Grade	Length
			High School Health & Wellness	9	Semester
Art	Grade	Length	High School Physical Education	9	Semester
Introduction to Art	9-12	Semester	Child Development	9-12	Semester
Art I: Drawing/Painting	9-12	Semester	Lifespan Development	11-12	Semester
Art II: Ceramics/Sculpture	9-12	Semester	Nutrition & Wellness	10-12	Semester
Art III: Advanced Art	10-12	Semester	Lifetime Fitness I, II, III	10-12	Semester
Art IV: Advanced Art	11-12	Semester	Advanced Phy. Ed. Games I, II, III	10-12	Semester
Digital Imaging	11-12	Semester	Health & Wellness Beyond High School	11-12	Semester
			Unified Physical Education	11-12	Semester
Business/Technology	Grade	Length			
Accounting I	11-12	Semester	Healthcare	Grade	Length
Accounting II	11-12	Semester	Healthcare Work Release	11-12	Semester
Hospitality & Tourism	11-12	Semester	Intro to Healthcare Careers-MN West	10-12	Semester
Marketing I	11-12	Semester	Nursing Assistant-MN West	10-12	Semester
Marketing II	11-12	Semester			
Personal Finance	12	Semester	Industrial Technology	Grade	Length
			Basic Homeowner	10-12	Semester
Education	Grade	Length	Construction	10-12	Semester
Intro to Education-SMSU	11-12	Semester	Engine Mechanics	11-12	Semester
Child Growth & Development-SMSU	11-12	Semester	Automotive Power Systems Mechanics	11-12	Semester
			Metals I	10-12	Semester
			Metals II	10-12	Semester
			DIY Metal & Wood Production	10-12	Semester
			Manufacturing & Product Design A & B	11-12	Yearlong

Math	Grade	Length	Social Studies	Grade	Length
Geometry Concepts	9	Yearlong	American Government	9	Semester
Geometry	9	Yearlong	Human Geography	9	Semester
Algebra II Concepts	10	Yearlong	American History 10	10	Yearlong
Algebra II	10	Yearlong	World History 11	11	Yearlong
FST Concepts	11	Yearlong	Economics	12	Semester
FST	11	Yearlong	Civics	12	Semester
Advanced Senior Algebra	12	Semester	American Studies	10-12	Semester
College Algebra - SMSU College Now	12	Semester	World Studies	10-12	Semester
			Psychology	11-12	Semester
Music	Grade	Length			
High School Band	9-12	Yearlong	Spanish	Grade	Length
Concert Choir	9-12	Yearlong	Spanish I	9-12	Yearlong
HS Band & Concert Choir	9-12	Yearlong	Spanish II	10-12	Yearlong
Guitar Lessons	11-12	Semester	Spanish III	11-12	Yearlong
Performing Arts Technology	11-12	Semester	Spanish IV	12	Yearlong
Science	Grade	Length	Trades	Grade	Length
Earth and Space Science	9	Yearlong	CDL Theory & Test Prep - SCC	12	Semester
Biology	10	Yearlong			
Chemistry Concepts	11-12	Yearlong			
Chemistry	11-12	Yearlong			
Anatomy & Physiology	11-12	Yearlong			
Ecology	11-12	Semester			
Forensics	11-12	Semester			

English Language Arts

English 9

ENG 101 A/B

Graduation Requirement: English	
Grade: 9	Credit: 1

Description: This course aims to establish robust fundamentals to support students throughout their high school journey. With a primary emphasis on speech, students will hone their public speaking and communication skills by delivering diverse speeches. Additionally, they will refine their writing abilities through essay and speech exercises. Exploring various literary genres, students will enhance their comprehension and analytical skills, connecting the text's meaning to their personal experiences.

English 10

ENG 201 A/B

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

Description: English 10 expands on the Minnesota English Language Arts standards by focusing on reading, writing, speaking, and listening skills essential for college and career readiness. By exploring different literary genres, students will learn close reading techniques to better understand texts and engage with an author's message critically. The course also emphasizes language proficiency, grammar, vocabulary development, and the ability to effectively communicate in small groups and public settings, while properly integrating textual evidence from readings.

English 11

ENG 301 A/B

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

Description: The focus of this course is to help students develop an enjoyment of reading while they review the basics of academic writing. Readings (which the instructor will often do orally) will be from novels and plays. A number of the assessments will ask for the implementation of sources into academic writing, others will focus on reading comprehension, while some assessments will focus on speaking and language skills and group work. The fall semester will be more speaking/presentation driven while the spring semester will focus more on writing. The curriculum in both 11th grade English courses will cover ACT prep throughout the year.

Advanced English 11

ENG 302 A/B

Graduation Requirement: English	
Grade: 11	Credit: 1
Pre-Requisite: Must pass 10th Grade MCA Reading & written essay test in English 10	

Description: This course is designed to prepare students for college writing and is highly recommended before taking College English. Students must be prepared to do work outside of class and are encouraged to take a study hall their junior year. Students in this course will read American Literature from various time periods to explore events of historical importance from a literary perspective (The Salem Witch Trials, The Civil Rights Movement, and The Great Depression). Students will study novels, short stories, dramas, and poetry, and they will continue to hone their research skills on assessments based on the readings. The major project is a research paper that students will present to the class. Writing will be frequent with emphasis on organization, mechanics, and analysis. The curriculum in both 11th grade English courses will cover ACT prep throughout the year.

English 12

ENG 401 A/B

Graduation Requirement: English	
Grade: 12	Credit: 1
Pre-Requisite: English 9, 10, 11	

Description: Get ready to embark on a thrilling journey of critical thinking and real-world preparation! In this course, students will delve deep into literature to sharpen their analytical skills and tackle life beyond high school head-on. From crafting resumes and cover letters to penning insightful reflection essays, every task will equip students with invaluable skills for their future. Led by an inspiring instructor, students will not only explore the world around them but also reflect on their own experiences, paving the way for personal growth. And culminating in the grand finale, the Bare Book project will showcase students' writing prowess and commemorate their time at Springfield High School. It's time to unleash your potential and make your mark!

PSEO Composition (Writing)

PSEOCOMP

Graduation Requirement: English	
Grade: 12	Credit: 1
Pre-Requisite: Meet Duel Enrollment Requirments	

Description: Composition is concerned with developing, through theory and practice, the ability to communicate in written form for personal and professional reasons. Students will develop writing skills, analytic skills, and critical thinking skills. Students will complete readings, papers, grammar exercises, and in-class activities. Students will complete research and write a research paper. Students will learn methods of writing informatively and persuasively.

PSEO Public Speaking

PSEOPS

Graduation Requirement: English	
Grade: 12	Credit: 1
Pre-Requisite: Meet Duel Enrollment Requirments	

Description: Public Speaking develops students experience in the basic fundamentals of effective public speaking. Students will prepare and deliver a variety of speeches as well as critique them.

Mathematics

Geometry Concepts

MTH101 A/B

Graduation Requirement: Math	
Grade: 9	Credit: 1
Pre-Requisite: Algebra I	

Description: Students will learn to: *a)* Calculate measurements of plane and solid geometric figures. *b)* Construct logical arguments, based on axioms, definitions and theorems, to prove theorems and other results. *c)* Know and apply properties of geometric figures to solve real-world and mathematical problems, and to logically justify results. *d)* Solve real-world and mathematical geometric problems using algebraic methods.

Geometry

MTH102 A/B

Graduation Requirement: Math	
Grade: 9	Credit: 1
Pre-Requisite: Algebra I	

Description: It covers polygons and their properties, reasoning, making conjectures, transformation, congruence, area and volume, similarity, right triangle relationships, circles and spheres. The ability to apply geometry is an important priority of this course. Geometry is a branch of math that connects math to the real world. A year of Geometry is required for admission to most colleges. It is found on all college entrance exams, and it is necessary to understand science, art, architecture, engineering, and many other disciplines.

Algebra II Concepts

MTH201 A/B

Graduation Requirement: Math	
Grade: 10	Credit: 1
Pre-Requisite: Geometry Concepts/Geometry	

Description: This course is designed to cover the basic concepts covered in an Algebra II course. It will reinforce the topics covered in Algebra I while also advancing through higher-level algebraic equations and inequalities.

Content covered in this course will be fundamental to furthering mathematical understanding before advancing to the next level.

Algebra II

MTH202 A/B

Graduation Requirement: Math	
Grade: 10	Credit: 1
Prerequisite: Geometry	

Description: This course will cover the mathematical concepts and methods that you will need to know in order to meet high curriculum standards and succeed on high-stakes tests. This course will bring math to life with many real-life applications. Three important aspects of this class are equations, graphs, and applications. These aspects will help you understand how mathematics relates to the world.

Functions Statistics & Trigonometry Concepts (FST Concepts)

MTH301 A/B

Graduation Requirement: Math	
Grade: 11	Credit: 1
Pre-Requisite: Algebra II Concepts/Algebra II	

Description: FST Concepts is the third in a series of three applied courses designed to help high school students develop their math skills and meet the graduation standards. The course will review topics in the traditional areas of Algebra I, Geometry, and Algebra II. The class will also include statistics, probability, trigonometry, and discrete mathematics.

Functions Statistics & Trigonometry (FST) MTH302 A/B

Graduation Requirement: Math	
Grade: 11	Credit: 1
Pre-Requisite: Algebra II	

Description: This class is important for the prospective college student. This course gives attention to statistics as well as to the ideas of functions and trigonometry found at the high school level. Statistics are used by people who work in government or journalism, who have to make decisions in business by people who need to analyze or interpret the results of medical or psychological studies, and by people who wish to simply understand the world. A thorough knowledge of functions and trigonometry is essential for calculus, the area of mathematics that is extremely important in engineering and physical sciences.

Advanced Senior Algebra MTH401

Graduation Requirement: Elective	
Grade: 12	Credit: 0.5
Pre-Requisite: FST or FST Concepts	

Description: This advanced mathematics course is designed to equip seniors with the skills and knowledge necessary for success in collegiate-level math, including College Algebra and beyond. Students will engage in an in-depth review of fundamental concepts from Algebra II and FST, while also exploring higher-level mathematical principles essential for advanced coursework. Topics covered may include equations and inequalities, complex numbers, polynomial and rational functions, radical expressions, and matrix operations. Emphasis will be placed on developing problem-solving strategies, mathematical reasoning, and analytical thinking to foster a strong foundation for future mathematical studies.

College Algebra (College Now) - MTH500

Graduation Requirement: Math	
Grade: 12	Credit: 0.5
Pre-Requisite: FST, Meet SMSU College Now Requirements, Instructor Approval	

Description: Math 110 in the SMSU College Now program. This class is 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.

Science

Earth and Space Science

SCI100 A/B

Graduation Requirement: Science	
Grade: 9	Credit: 1

Description: Earth and Space science offers an insight into the environment on Earth as well as it's atmosphere and the solar system. We will focus on concepts and principles related to geology, meteorology, and astronomy throughout the year. In our meteorology unit, we will discuss how latitude and longitude relates to our location on Earth and topics related to our atmosphere and weather patterns. In the geology unit, we will focus on investigating the layers of the Earth, the story that outcrops of rock can tell us, and identifying different types of rocks and minerals. When we learn about astronomy, we will take a look at our solar system and how the planets are different from each other while also discussing constellations that we can see in the sky. Throughout the year you will participate in different laboratory investigations, online simulations, and class discussions to explain these topics.

Biology

SCI200 A/B

Graduation Requirement: Science	
Grade: 10	Credit: 1

Description: Biology is a life science, which gives the students an introduction, with some depth, to the basic concepts of life. Included are the topics of Cells, DNA, Genetics, Evolution, and Ecology. Students will explore biology through science and engineering practices such as asking questions, developing modelings, planning investigations, and analyzing data. Emphasis is placed on connecting the themes of Biology and the processes of science throughout the course.

Chemistry Concepts

SCI300 A/B

Graduation Requirement: Science	
Grade: 11-12	Credit: 1

Description: This chemistry course is designed for students who want to develop a foundational understanding of chemical principles and their real-world applications. Through interactive lessons, hands-on laboratory experiments, and problem-solving activities, students will explore the microscopic world of atoms, molecules, and chemical reactions. The course will also make connections to physics concepts to enhance comprehension of scientific phenomena. Students will be required to utilize math skills obtained through Algebra I throughout the year in class and laboratory experiments. This course is for students who do not plan on pursuing a college path including chemistry.

Chemistry

SCI301 - A/B

Graduation Requirement: Science	
Grade: 11-12	Credit: 1

Description: Chemistry is a course designed for students to obtain the basic understandings of our natural world from a microscopic perspective of matter with an emphasis on the interaction of substances. Mathematical applications through Algebra I and laboratory experiments will be utilized to explain and demonstrate phenomena. This Chemistry course focuses on preparing students for their introductory college chemistry classes. Laboratory procedures are designed to assist students with a smooth transition to the college laboratory setting. Topics in Chemistry build on one another; information in the first semester will be used to understand, explain, and perform in the second semester.

If you plan on majoring in a science related field in college it is recommended to take this class your senior year.

Anatomy and Physiology

SCI303 A/B

Graduation Requirement: Elective	
Grade: 11-12	Credit: 1

Description: This is a college prep course that introduces skills and knowledge essential for all health and medical fields. It focuses on the anatomy and physiology of the human body. Topics covered during the year include: introduction to anatomy/physiology: organization of the body, directional terms, homeostasis, and medical terminology. The body systems covered include: skeletal, muscular, nervous, circulatory, respiratory, urinary, and digestive systems. Dissection will be used as a learning tool, including sheep organs and fetal pigs as models for human systems. Students will complete the course with a deeper understanding of the interconnectedness of all body systems.

Ecology

SCI304

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

Description: Embark on a captivating journey through the hidden intricacies of our natural world with this immersive course. Delve deep into the heart of ecology as we unravel the mysteries of soils, forests, aquatic realms, and wildlife habitats. Discover the delicate balance of ecosystems. Uncover the secrets of biodiversity, explore innovative ecological management strategies, and confront the profound impact of human interaction on our environment. From the lush forests to the tranquil waters, every aspect of nature holds a story waiting to be unveiled. Designed with a keen eye towards the future, this class is not just a learning experience; it's a call to action. Whether you're destined for a career in natural resources or agriculture, this course will arm you with the knowledge and perspective needed to make a meaningful difference in the world around us. Prepare to be inspired, challenged, and forever changed by the wonders of ecology.

Forensic Science

SCI305

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

Description: Prepare for an exhilarating journey into the captivating realm of forensic science! Dive deep into the role of a crime scene investigator as you master the art of analyzing and collecting evidence at crime scenes. Topics include intro to forensics, fingerprints, blood/blood spatter, toxicology, and death. With precision and skill, you'll document every detail, ensuring nothing escapes scrutiny. Discover the diverse techniques used by forensic experts to scientifically analyze evidence, each method a powerful tool in the pursuit of justice. Get ready to embark on an adrenaline-fueled adventure, where every breakthrough brings you closer to unraveling the truth behind the crime.

Social Studies

American Government/Human Geography

SST100 & SST101

Graduation Requirement: Social Studies	
Grade: 9	Credit: 1

Description: The study of American Government will focus primarily on citizenship (rights and responsibilities), as well as federal, state, and local governments. Students will also study the election process, social and economical changes that our country will face in the future, and economic systems. Human Geography is the study of our interaction with the world. Students will examine the five themes of geography and incorporate them into the following areas; population growth and migration, folk and popular culture, political geography, food and agriculture, Industrialization, and resource use.

American History 10

SST200 A/B

Graduation Requirement: Social Studies	
Grade: 10	Credit: 1

Description: This course will study modern American history from the causes of the Civil War up to present day. Particular emphasis is placed on political, social, and economic patterns across several eras and thematic topics, including: Westward Expansion, Civil War/Reconstruction, Urbanization & Industrialization, Economic Crisis and Recovery, various 20th century global conflicts and their application to present-day situations.

World History

SST300 A/B

Graduation Requirement: Social Studies	
Grade: 11	Credit: 1

Description: World History is the study of how the world has evolved and changed through history. The course is divided into six main units. They are; 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

Graduation Requirement: Social Studies	
Grade: 12	Credit: 0.5

Description: In this course, students will learn about how people and societies use limited resources to fulfill their unlimited wants, and apply the following fundamental Economic concepts/topics to their lives and the world around them: scarcity/opportunity cost, economic decision-making, comparison of economic systems, foreign and domestic trade, supply and demand, free enterprise, and consumer economics.

Civics

SST400

Graduation Requirement: Social Studies	
Grade: 12	Credit: 0.5

Description: The Civics course will prepare students to enter the world as active and engaged participants in the political process with foundational knowledge of government, law, and civil rights. In this course, students will learn about the foundations and principles of government, the Constitution, civil liberties, citizenship and civil rights, voting/elections, and state/local governmental processes.

American Studies

SST201

Graduation Requirement: Social Studies	
Grade: 10-12	Credit: 0.5

Description: This semester-long course offers a comprehensive examination of key events and issues in U.S. History, domestic policy, and foreign relations. Students will explore historical and contemporary topics that frequently make headlines, shaping public discourse both domestically and internationally. Emphasizing

significant historical events and their modern-day repercussions, the course covers themes such as the American Revolution, Westward Expansion, the Civil War, World Wars, the Cold War, Foreign Policy, and efforts to ensure domestic peace. Additionally, the curriculum remains adaptable to incorporate pertinent current events.

World Studies SST202

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

Description: This semester course offers a comprehensive examination of international politics, U.S. foreign relations, domestic policy, the global economy, and world issues—both historically and in contemporary contexts. Students will delve into topics frequently featured in media, gaining insight into matters that polarize both the American

populace and global communities. The curriculum remains adaptable to major current events, yet maintains a consistent focus on tracing the world's development and anticipating future trajectories. Throughout all units, common core standards will be integrated.

Psychology SST301

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

Description: This course surveys content areas of general interest in psychology. Topics include major schools of thought in psychology, development, states of awareness, learning, memory, health and stress, personality, abnormal behavior, psychotherapy, and social issues.

Agriculture

Intro to Ag., Food & Natural Resources AG100

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

Description: This class will explore some of the careers and skills used by people working in agriculture. Units include but are not limited to the areas of plant science, animal science, natural resources, Ag careers, and character development. This course will also utilize the many learning opportunities available through the FFA to enhance the students' learning. Lastly, students will conduct their own self-guided agricultural learning activity (SAE) in which they will be responsible for setting their own learning objectives and maintaining records of their progress.

Horticulture AG101

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 0.5

Description: Horticulture is a booming field of agriculture. The class will explore the many facets of this field such as:

plant propagation, plant growth requirements, greenhouse and nursery production, landscape design and installation, hydroponics, and floriculture design. A self-guided agricultural learning activity (SAE) will be an integral part in the students' learning. The student will be responsible for setting their own learning objectives and maintaining records of their progress.

Natural Resources AG102

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

Description: This course will deal heavily with the identification, management, and feeding/reproduction characteristics of upland game birds, water fowl, avian predators, common song birds, sport fish, and small and large mammals. We will also look at alternative energy forms (solar, water, wind power). A self-guided agricultural learning activity (SAE) will be an integral part in the students' learning. The student will be responsible for setting their own learning objectives and maintaining records of their progress.

Animal Science

AG103

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

Description: This course will provide students with the opportunity to get a closer look at domestic livestock and companion animals. Species to be studied may include cattle (beef and dairy), swine, sheep, goats, horses, cats, dogs, and specialty animals. Specific topics may include anatomy, nutrition, genetics, reproduction, diseases, evaluation, and general care. Hands-on opportunities may include dissections, tours of farms, or live animals. If you raise animals or are looking into an animal related career, this class will provide you with basic knowledge. A self-guided agricultural learning activity (SAE) will be an integral part in the students' learning. The student will be responsible for setting their own learning objectives and maintaining records of their progress.

Agri-Business Management

AG201

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

Description: Agriculture is a highly competitive industry. In this class, we will learn the basics of successfully running an operation, whether it is livestock, grain or both. Topics include but are not limited to partial budget analysis, marketing options, cash flow statements, enterprise analysis, and risk avoidance. A self-guided agricultural learning activity (SAE) will be an integral part in the

students' learning. The student will be responsible for setting their own learning objectives and maintaining records of their progress.

Agricultural Education Guided Study

AG300

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

Description: This class is for students who want to maintain their FFA membership but have already taken all of the Ag classes offered or cannot fit an Ag class into their schedules. Permission from the instructor and principal are required to take this class, and the course content will be agreed upon by the student, teacher, and principal on an individual basis. A training agreement will be composed and signed by the student, teacher, and principal.

Work Based Learning

AG400

Graduation Requirement: Elective	
Grade: 12	Credit: 1 (2-periods)

Description: Work-based Learning is an educational program integrating workplace experiences for student development. It offers exploration beyond current work roles. Examples of areas include Agriculture, Business, Marketing, Family & Consumer Science, Health Occupations, Service, and Technical Careers. Students must demonstrate interest and have taken relevant preparatory courses. For instance, those interested in Animal and Plant Science should have completed agriculture classes.

Art

Introduction to Art

ART100

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 0.5

Description: This semester-long course introduces students to the Elements of Art and Principles of Design while developing a variety of art skills. Studio experiences in the classroom will give students opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, tempera/Acrylic paint, collage, calligraphy, wire, and crafts from other cultures.) while developing student's individual style and creative problem solving skills. Students will demonstrate their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings.

Art I: Drawing/Painting

ART101

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 0.5
Prerequisite: Introduction to Art	

Description: This semester-long art course covers both drawing and painting. In the first half, students will learn to draw various objects from observation and create imaginative drawings. Topics include sketching, landscape drawing, portrait drawing, and more. The course emphasizes right-left-brain functions, linear perspective, shading, and explores different drawing media. The second half focuses on painting techniques using acrylics, oils, and watercolors. Students study paintings from masters, learn color theory, and imitate different styles. They work from real-life observation, found imagery, and imagination. Students will learn how to build up paintings from sketches to finished products.

Art II: Ceramics/Sculpture

ART102

Graduation Requirement: Art Elective	
Grade: 9-12	Credit: 0.5
Prerequisite: Introduction to Art	

Description: This semester-long course will be devoted to learning pottery and sculpture techniques to create both functional and decorative art works. Students will study the forming, decorating, firing, and glazing of clay to create original art works. Students will build pottery by hand through hand-building methods and will also throw pottery on the potter's wheel. They will create and decorate pottery by the slip casting method. 3D sculpting methods with other materials, such as foam board, wire and found objects, will be explored as well.

Art III –Advanced Art Course

ART103

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

Description: This semester-long course is for students who love art and want to take their skills to the next level; refining their techniques and developing their artistic style. Throughout the semester, advanced drawing and painting using different materials like graphite, charcoal, ink, acrylics, oils, and watercolors will be explored. They will cover a variety of subjects, from portraits to imaginative drawings. Students will also learn about art history and share their work in supportive peer critiques. The course will aid in portfolio building in order to showcase growth.

Art IV –Advanced Art Course

ART104

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

Description: This semester-long course is designed for students passionate about elevating their artistic abilities. Throughout the semester, students will explore advanced drawing and painting techniques, experimenting with diverse mediums such as graphite, charcoal, ink, acrylics, oils, and watercolors. Students will hone both observational and imaginative skills, exploring subjects ranging from portraits to conceptual drawings. The curriculum includes a comprehensive study of art history, fostering an appreciation for different artistic movements. Engaging in collaborative critiques with peers, students will build a supportive artistic community. The course culminates in the development of a portfolio, showcasing individual artistic growth.

Digital Imaging (Graphic Design)

ART105

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

Description: This semester-long course is your chance to learn state of the art design techniques using brand new updated Adobe software including Photoshop, Illustrator, Lightroom, and InDesign. This course is designed for students who want to learn new skills in creating designs and art works with the computer or expand their knowledge of art and technology based on digital photography, digital design, and page layout. The course covers the use of digital cameras, scanners, the internet and clip art as sources for creating and the manipulation of digital images. Creative designing and computer technical skills will be developed using computer labs and design software. Special emphasis will be placed on looking at career opportunities in the graphic design, motion graphics, and digital and imaging fields.

Business/Technology

Accounting I

BUS 200

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

Description: Get ready for an exciting dive into advanced accounting! This course will give you the skills to understand and manage complex financial systems. You'll learn how to handle transactions, create financial statements, and close out accounting cycles. It's a hands-on journey through the world of business finance, designed to equip you for success!

Accounting II

BUS 201

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Pre-Requisite: Accounting I	

Description: Continue your thrilling journey into the world of accounting with this advanced course! Building upon the foundations of Accounting I, this class offers a deeper dive into the intricacies of the accounting process. Ideal for students aspiring to enter the business world, it's tailored to cover accounting principles through the lens of a merchandise business organized as a corporation. Prepare to broaden your horizons as you explore the nuances of accounting for corporations, with a focus on hands-on learning. From mastering corporate accounting procedures to navigating the complexities of payroll accounting and taxes, this course will equip you with the advanced skills needed to excel in the business arena!

Hospitality and Tourism Management

BUS 202

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

Description: Hospitality and tourism is one of the largest industries worldwide and the 5th largest job provider in the country. This course helps students learn about this exciting field, which offers job opportunities both at home and abroad. In this class, students will study a variety of topics such as hotel and lodging management, food and beverage services, restaurant management, event planning, and tourism attractions, such as destination companies, theme parks and cruise ships. With interactive activities, custom field trips, helpful lectures, and engaging discussions, you'll be equipped to take charge of your financial well-being and build a stable future.

Marketing

BUS 105

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

Description: This course is designed to enhance students' skills as discerning consumers by providing comprehensive coverage of various marketing principles and practices. Topics include an exploration of contemporary marketing strategies, the social dimensions of marketing, economic principles underlying marketing decisions, fundamental marketing concepts, market research methodologies, understanding customer behavior and segmentation, strategies for competitive analysis, e-commerce and viral marketing techniques, crafting effective marketing plans and strategies, product development strategies, and fulfilling service needs. Emphasizing brand management and marketing concepts, students will gain insight into how products and services are effectively marketed to diverse target audiences, preparing them for the complexities of modern marketing environments.

Marketing II

BUS 106

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Pre-Requisite: Marketing I	

Description: Embark on a riveting journey through the intricacies of consumer behavior and marketing prowess. Explore Business-to-Business Marketing, master Effective Promotion, and navigate product distribution and pricing strategies with finesse. Unleash your creativity in advertising, transcend borders in the global market, and grasp the symbiotic relationship between entrepreneurship and marketing. Craft a comprehensive marketing plan tailored for global success. Through hands-on projects and strategic planning, delve into a world where learning is immersive and understanding is cultivated through engaging activities.

Personal Finance

BUS 100

Graduation Requirement: Elective	
Grade: 12	Credit: 0.5

Description: This course is designed to help you learn important skills for managing money and planning for the future. Dive into a variety of lessons that will teach you about personal finance, from understanding banks and budgeting to dealing with taxes and paying for college. Explore topics like insurance, credit, and investing, all while gaining valuable insights to make smart decisions about your finances. With interactive activities, interesting videos, helpful lectures, and engaging discussions, you'll be equipped to take charge of your financial well-being and build a stable future.

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. Fifteen 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.

Healthcare

Introduction to Healthcare Careers

HC1120

Graduation Requirement: Elective	
Grade: 10-12	Credit: 1
Pre-Requisite: Meet MN West PSEO Admissions	

Description: Introduction to Healthcare Careers prepares students for rapidly changing healthcare careers. Students will explore a wide variety of career options and develop an awareness of workplace climate and culture. Students will participate in in-depth study of medical/health science careers, career planning, employability skills, basic terminology, ethics, wellness, common diseases, and safety.

Nursing Assistant

HC1175

Graduation Requirement: Elective	
Grade: 10-12	Credit: 1
Pre-Requisite: Meet MN West PSEO Admissions (You need to be 16 to take the CNA test at the end of the course)	

Nursing Assistant introduces concepts of basic human needs and teaches basic nursing skills that will be demonstrated and practiced in the laboratory setting. This course focuses on personal care, nutrition/feeding,

elimination, clean and safe environment, communication, vital signs, body mechanics, death and dying, and principles related to long term care. Upon successful completion of the classroom/lab studies, the student will participate in a clinical experience caring for the geriatric client. Background study checks will be conducted. Successful students will be eligible to take the Nurse Aide Competency Examination for certification and placement on the Minnesota Nursing Assistant Registry. This course meets application requirements for MN West nursing program.

Healthcare Work Release

HC300

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

Description: High school students in grades 11 and 12 have the opportunity to earn elective credits by gaining employment at St. John's Circle of Care. For every 350 hours worked, including those accumulated during the summer, students can earn one elective credit. If a student's schedule allows, they may utilize their 7th period to work. Upon completing the required 350 hours, students will verify their time with St. John's Circle of Care and submit a form to Springfield Public Schools for transcript inclusion.

Health, Physical Education and Fitness

High School Physical Education

HPE101

Graduation Requirement: Physical Education	
Grade: 9	Credit: 0.5

Description: This course will emphasize the area of forever fit, aligned with State Standards and is a required course. The students will develop skills and knowledge to participate in a variety of actual game activities and other activities that will be part of fitness programs in the future. Units offered: 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: Health and wellness is based on the National Health Standards and is a required course. The course will introduce students to the eight dimensions of wellness: intellectual, spiritual, emotional, physical, financial, social, environmental and occupational. Students will learn and practice life skills to use to enhance their health and wellness now and in the future. Some of the topics covered include: goal-setting, decision-making, stress, suicide, death and grieving, human reproduction, abstinence, consent, sexually transmitted infections, self-esteem, coping skills, reading and understanding food labels, etc. Students will also have the option to earn a community certification in CPR and first aid.

Child Development

HPE102

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

Description: Child Development is a comprehensive study of childhood growth from conception to preschool. It's a vital course for all students, especially those interested in

careers involving children. We'll cover topics like understanding childhood, parenting challenges, family dynamics, prenatal development, childbirth preparation, infant milestones, emotional and social growth, intellectual development, and career options in Human Development. Join us as we explore this fascinating field, laying the foundation for personal and professional growth.

Lifespan Development

HPE103

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

Description: In Lifespan Development, we explore the growth of children from ages four to twelve, examining their physical, social, emotional, intellectual, and moral development. Additionally, we delve into topics such as caretaking, relationships, brain and body changes during adolescence, human sexuality, safety, crisis management, stress, work-life balance, and aging-related considerations. Our aim is to illuminate the challenges, joys, and opportunities inherent in the journey of aging and development.

Nutrition & Wellness

HPE202

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

Description: In our Nutrition and Wellness class, we cover important skills that help us make smart choices about what we eat and how we cook. We learn how to be smart shoppers, use kitchen tools correctly, keep our food safe, and follow healthy eating guidelines. We also work together in the lab to practice what we learn. Throughout the course, we explore topics like MyPlate and how to eat mindfully. We discover different fruits and veggies, learn about various types of bread, and understand the six key nutrients our bodies need. Plus, we get hands-on experience making soups, salads, casseroles, and planning balanced meals.

Health & Wellness Beyond High School

HPE303

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

Description: This course explores the principles of health and wellness, equipping students with the knowledge and skills needed to make informed decisions for a healthy lifestyle beyond high school. Emphasis is placed on the interconnected dimensions of wellness, including physical, mental, emotional, social, and environmental health. Students will engage in practical activities and discussions on topics such as nutrition, fitness, stress management, mental health awareness, substance use prevention, sexual health, and creating a balanced life. Critical thinking and self-reflection will be encouraged to promote personal responsibility and lifelong well-being. The course also examines the impact of societal, cultural, and technological influences on health behaviors, providing students with strategies to navigate real-world challenges and make positive contributions to their communities.

Lifetime Fitness (I-III)

HPE200, HPE300, HPE400

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

Description: This semester-long course is designed to allow students to discuss, create and implement an individual fitness and nutrition plan as well as participate in lifetime activities. Personal Fitness, Fitness II and Fitness III are designed to be interchangeable courses and give the student a chance to learn how to and improve their overall fitness and health in different areas of their lives.

Advanced Phy. Ed. Games

HPE201, HPE301, HPE401

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

Description: This course will allow students to continue to develop strategies, skills and improve fitness levels through a variety of team activities. The students will also be provided with an opportunity to learn and participate in lifelong activities, to keep students active throughout their life after high school. Units to be covered: Soccer/team handball, pickleball, volleyball, basketball, badminton, ultimate frisbee, table tennis, bean bags, floor hockey, strength training, and other cooperative activities. Additionally, Students will create and teach skills and appropriate warm ups from one of the units listed above.

Unified Physical Education

HPE302

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

Description: Unified Physical Education is a unique opportunity for students of varying ability levels and backgrounds to come together on equal terms through ongoing fitness, sports, leadership and wellness activities. Your role and responsibility as teacher assistant (aide) is to offer practical experiences to our students with disabilities that need additional help in the regular physical education class. This program provides opportunities for students to work and learn together in ways that support all learners and create an equitable, caring environment for all. This course focuses on the physical, intellectual and social growth of all participants. Engaging in physical activity and sport alongside peers with and without disabilities, helping to foster important social relationships.

Industrial Technology

Metals I

IA 200

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

Description: After this course, students will be proficient in sheet metal (cutting, bending, riveting and spot welding), welding (oxy-fuel, stick arc, MIG, TIG), cutting (oxy-fuel, and plasma), gas forging and general safe tool use. At the end of the course, students will be able to 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: Students engage in hands-on activities to develop skills applicable to careers in metal fabrication, welding, or engineering. The curriculum is tailored to individual interests and abilities, focusing on design, advanced processes, welding techniques, power tool usage, product design, cost analysis, and emerging technologies. Instruction integrates online resources, community experts, and visits to relevant businesses. Through individual and team projects, students gain proficiency in various mechanical disciplines and share their skills through school and community service. The Metals II semester course delves deeper into industry practices, incorporating computerized equipment and software for project creation. Students learn to use CNC plasma tables and lasers, explore metal characteristics, safety protocols, and equipment maintenance. *In Metals II you will need to have a project that you would like to make. This will include drawing up a plan and estimate the cost of your project and getting material for the project that students will pay for.* If you don't have a project, talk to the instructor prior to starting the class to see if they have any projects for the student to do.

Construction

IA 202

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

Description: This course covers units on construction site measurement & leveling, concrete pouring, stud wall framing, electrical wiring, basic plumbing, sheet rocking,, and doing building structure improvements (such as siding a house, door maintenance, shingling/roofing, concrete framing and durability. ***For students who are interested in construction trades careers.**

Basic Homeowner

IA 203

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

Description: This class introduces students to the joys and difficulties in owning their own house. It introduces students to the basic skills they need to do basic electrical repair, repairing cosmetic damage, small plumbing obstacles, and other basic needs in a house. We will dive into some basic car maintenance from checking & changing oil to repairing a flat tire. This class is designed for students who have none to little experience in automotive and construction and want to be able to have the confidence to tackle basic home and auto maintenance. ****Not for students who have advanced shop experience.***

Engine Mechanics

IA 206

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

Description: After this course students will be proficient in small engine repair, basic automobile repair, and general safe tool use. This course will be taught using both classroom and lab settings to gain knowledge and put that knowledge into practice.

Automotive Power Systems Mechanics

IA 205

Graduation Requirement: Elective	
Grade: 11-12	Credit: 0.5
Pre-Requisite: Engine Mechanics	

Description: After this course students will be proficient in DC circuit boards, Mechatronics, CNC, hydraulics, electric motors, and general safe tool use. This course will be taught using both classroom and lab settings to gain knowledge and put that knowledge into practice.

DIY Metal and Wood Production

IA 204

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

Description: Have you ever seen a project/craft and wanted to try making it? Is there a project that you have always wanted to make, but haven't had the time? DIY Metal & Wood Production is a project based that will stress planning and construction of projects used in home. This class will be taught primarily in a lab setting with some classroom

instruction at the beginning of the term. In this class students will learn about the safety of using power and hand tools and welding in the shop setting. This course will encourage recycling and repurposing materials for these projects. This course is designed for creative and self motivated students who have the desire to see a project through from start to finish. **Students will pay costs of take-home projects**

Manufacturing and Product Design

IA300 A/B

Graduation Requirement: Elective	
Grade: 11-12	Credit: 1
Pre-Requisite: Metals I and Metals II	

Description: This course is open to students interested in discovering more about and developing skills needed for a career in manufacturing or engineering. Concepts covered in this class will be production technologies and information to start a high performance manufacturing and/or engineering career pathway. This course will begin with the design stages of blueprint reading, creation or manufacturing of product, and end with the marketing and sale of the product(s). This will help develop important workplace knowledge and skills in the areas of safety, welding processes, precision machining, mechanical systems, electrical controls and automated systems.

Music

High School Band MUS100 A/B

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

Description: This course is a performance-based ensemble for students who have had previous band experience. Students are graded on their ability to perform assigned material and band repertoire with an emphasis on improvement. Individual and group lessons are required for all students in HS Band and they will be scheduled throughout the school day. Band members attendance is required at all concert performances throughout the school year, including Large Group Contest in March. Members of the Senior High Concert Band will also perform as a Pep Band during various athletic seasons including volleyball, football, and basketball. The Pep Band follows the team into tournament play as prescribed by Region 3 policy.

Concert Choir MUS101 A/B

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

Description: This is a year-long performing organization open to students in grades 9-12 who enjoy singing and wish to develop their voices through ensemble singing. Emphasis will be on developing vocal technique, music reading, and high-quality choral singing skills. A wide variety of challenging music will be used and appearances at all three concerts are required as well as Large Group Contest in March. Private voice lessons are required for all students and will be scheduled to occur during the school

day. Students are encouraged to participate in Solo and Small Ensemble Contest in the spring.

Guitar MUS103

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

Description: This semester-long course is designed to allow students to learn about the guitar and how to play it. Students will be receiving one on one instruction and have individualized playing goals throughout the semester. There will be opportunities to collaborate with classmates, learn about many different genres of music, listen to music, and have chances to help guide the semester-long course in addition to learning and playing the guitar. Whether you have played the guitar for 3 years, or have never touched one, all ability levels are welcome in this course!

Performing Arts Technology MUS104

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

Description: This semester-long course is designed to allow students to have a hands-on experience of learning about and how to operate technology and design and build stages and sets used in performing arts. Students will learn how to operate and maintain a lighting system, operate and maintain a sound system and understand microphones and recording technology, build sets, stages, and design lighting cues, learn and understand acoustics, and a final project of designing their own show with lights and sound. This course will teach students how to use systems found in most Performing Arts Centers, but with an emphasis on running Springfield's systems.

Spanish

Spanish I SPAN100 A/B

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

Description: Students will acquire the language through a variety of simple conversations, readings and engaging and personalized activities. They will be exposed to high-frequency words and structures. The focus will be on reading and listening comprehension along with some emerging writing skills. Students will learn about the products and practices of Spanish-speaking people throughout the world.

Spanish II SPAN200 A/B

Graduation Requirement: Elective	
Grade: 10-12	Credit: 1
Prerequisite: Spanish I	

Description: Students will continue their study of the Spanish language through longer texts and short novels.

The focus will be on reading and listening comprehension with opportunities to expand speaking and writing skills. Authentic resources will give further exposure to cultural topics from around the Spanish-speaking world.

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: Students in the advanced levels of Spanish will continue to improve their skills in reading, listening, writing and speaking through a variety of engaging topics. Students will examine descriptive, informational, opinion and narrative texts as well as short novels. Authentic resources from the Spanish-speaking world will allow students to see language and culture as it is used in the real world. **Eligible students can join La Sociedad Honoraria Hispánica (Spanish NHS).*

Trades

CDL Class A Online Theory & Test Prep CDL

Graduation Requirement: Elective	
Grade: 12	Credit: .5

Description: Springfield High School is offering students the opportunity to complete a CDL Online Theory and Test Prep course at no cost for the online portion. This self-paced program, delivered through the D2L online learning platform, follows the J.J. Keller Entry-Level Driver Training Student Manual. The course combines text readings, engaging videos, and online quizzes to prepare students for the CDL written test. Students must pass each learning objective assessment with a minimum score of 80% to progress through the course. While Springfield High School covers the cost of the online training, students are responsible for the behind-the-wheel portion of the program. Students can either self-fund this part or collaborate with community partners for financial support. This is an excellent opportunity for students to take the first step toward a professional driving career while still in high school!