CHATFIELD HIGH SCHOOL REGISTRATION GUIDE

2025-2026

SCHOOL YEAR

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INTRODUCTION

A NOTE TO PARENTS/GUARDIANS & STUDENTS

This registration manual has been prepared to assist in the planning of each student's high school education. Parents and students should read over the course outlines and discuss them together. Once you become familiar with the course offerings, the next step is to plan out which courses you should take this year and the rest of your years at Chatfield High School. **Please keep in mind that several courses have prerequisites. Prerequisite courses are those courses that must be completed prior to enrollment into another course.** Once you have completed your plan, make sure you store it in a safe place. **You may even want your counselor to store it in your permanent file at school for future reference.** The next step is to fill out the 2025-2026 registration form.

The decisions you make now should be based on your future goals. Make the choices in view of what you have learned about yourself. Your interests, your abilities, and your past performances are good indicators to use as you plan your future educational goals.

If you have any questions about the scheduling process or the course offerings, be sure to talk to the counselor.

Career and College Readiness Resources
In today's global economy, students must be well prepared for the demands of college and the workplace. Chatfield High School provides support to assist students as they transition from middle school to high school and into an increasingly wide array of postsecondary options. Each option is described below. For questions on these resources please contact: Sara Duxbury, counselor, at sduxbury@chatfieldschools.com.

Concurrent Enrollment
Chatfield High School partners with the University of Minnesota – Twin Cities, Minnesota State Southeast Technical, Riverland Community College, and Southwest Minnesota State University to offer the following college credit courses to our high school students here. Students who successfully complete these courses generate both high school and college credit from the partnering postsecondary institution. There is no cost to the student to participate in these courses, but there are entrance requirements. These courses provide high school students advanced skills today and greater flexibility when they enter the college/university setting full-time. That may include pursuing second majors and internships or studying abroad.

Chatfield offers the following Concurrent Enrollment courses. (Some may not be available every year due to enrollment numbers and teacher availability.)

- College Algebra
- College Calculus
- College Physics
- College Chemistry
- College Animal Science
- College Anatomy and Physiology 1 and 2
- College European History 1 and 2
- College Engineering Drafting/Design
- College Manufacturing Engineering
- College Production Engineering
- College CNC Operations 1

Advanced Placement (AP Biology)
AP is a College Board program that offers high school students the opportunity to take rigorous, college-level courses and earn college credit while in high school. The content in AP courses is structured like college courses. Students who complete an AP course and take the end-of-course examination may qualify for college credit from postsecondary institutions, provided their score meets the institution's credit policy. These courses help prepare students for further education and many colleges look favorably on transcripts that include AP coursework. Chatfield offers an Advanced Placement (AP) course in Biology. Please see the course description in the Science section of this registration guide.

College-Level Examination Program (CLEP)
The College-Level Examination Program (CLEP) is a College Board program that allows students to accelerate their education by earning college credit by taking a computer-based test of their knowledge. Learning can be done through general academic instruction, independent study, extracurricular work, or volunteerism. The time and money saved can be significant. Check with the postsecondary institution of your choice for their most recent CLEP credit policy. Visit the College Board website for more information.

Postsecondary Enrollment Options (PSEO)
PSEO is a program that allows students in 10th, 11th and 12th grades to earn both high school and college credit while still in high school, through enrollment in and successful completion of college-level, nonsectarian courses at eligible participating postsecondary institutions. PSEO courses are offered both on the campus and/or online as determined by the postsecondary institution. Each participating college or university sets its own requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th graders may take one career/technical PSEO course. If they earn at least a grade C in that class, they may take additional PSEO courses.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course. Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. If a school district determines a student is not on track to graduate, she/he may not continue to participate in PSEO. Schools must provide up-to-date information to all students in grades 8-11 and their families by March 1, every year. Students must notify their school by May 30 if they want to participate in PSEO for the following school year.

Students are limited to **five courses per trimester** regardless of location (CHS or PSEO). When registering for PSEO courses, students must account for the schedule of semester-length PSEO courses overlapping with trimester-length courses at CHS. **Students who are taking online classes are required to do those classes in the LINC at CHS, unless they are full-time PSEO students**. Students can continue to participate in high school activities.

Although PSEO has advantages and may provide additional opportunities, there are important considerations for potential PSEO candidates:

- Students must provide their own transportation to and from the postsecondary institution.
- PSEO credits are officially transcripted college courses. Grades, including low grades, non-passing grades, and withdrawals, earned in PSEO courses will remain a part of the student's post-high school record for the remainder of their academic career. These grades will likely factor in admissions decisions by future higher education schools.
- Students that are not fully prepared for these courses may struggle with the expectations of college-level coursework.
- Most college courses heavily weigh student grades on exams, papers, and projects. Students that are accustomed to supporting their grade with small assignments and quizzes will need to adjust to a heavier summative weighting.
- Earning a credit through PSEO may or may not reduce the number of credits that a student is required to complete for a bachelor's degree in the future. Loading up on PSEO credits in the core areas (English, math, social studies and history, and science) to meet high school requirements may exceed college requirements in those areas. Students considering PSEO are encouraged to consider taking courses that will potentially satisfy requirements at their eventual school of choice.
- Most PSEO credits will ***probably*** be recognized by future higher education schools, but there are few guarantees. Some universities may require you to take their introductory-level courses in a major field of study. For example, a student completing Calculus I through PSEO may be required to complete a university's own version of that course if the student is going to be majoring in architecture, business, math, health, and science.
- Students that require additional assistance from faculty may find help from a professor to be less convenient than having a responsive high school teacher. Most college professors do post office hours, but these may conflict with a student's availability.
- Colleges do not reach out to parents to inform them of their student's progress. Students are solely responsible for keeping up on their work and meeting due dates.

For current information about the PSEO program, visit the Minnesota Department of Education's Postsecondary Enrollment Options (PSEO) webpage: https://education.mn.gov/MDE/fam/dual/pseo/

PSEO for 10th Graders to take Career and Technical Education (CTE) courses
Legislation allows eligible 10th-grade students to enroll initially in one Career and Technical Education (CTE) course through PSEO. If the student earns a "C" or higher grade in this first course, she/he is eligible to take additional CTE courses while in 10th grade. In order to be eligible, a 10th-grade student must have met the proficiency level of "meets or exceeds" on the 8th-grade MCA reading test. If the student did not take the MCA, another reading assessment accepted by the enrolling postsecondary institution can be substituted.

How to Enroll in PSEO
Interested and eligible 11th- and 12th-grade students should contact the postsecondary institution to find out their eligibility requirements, which courses are offered and what the application process is at that institution. Access the list of participating postsecondary institutions at https://education.mn.gov/MDE/fam/dual/pseo/040787. Interested and eligible public 10th-grade students should contact the postsecondary institution to find out which Career and Technical (CTE) courses are offered and what the application process is at that institution.

CTECH
Career and Technical Education Center at Heintz (CTECH) is a dynamic collaboration between Rochester Public Schools, Rochester Community and Technical College, and our professional community. CTECH offers inspiring hands-on programs, combining rigorous coursework with project-based learning in a collaborative setting for students who want to gain a deep understanding of, and actively participate in, high-demand professions. Programs include fields such as Agriculture, Computer Sciences, Engineering, Health Sciences, Hospitality, Manufacturing, and Teaching. Most courses are eligible for either articulated or college in the schools (CIS) credits and potential industry certifications. Transportation to the CTECH site is the responsibility of the student.

Chatfield students are welcome to participate through a special agreement if space is available. Please see Mr. Nelson for more information.

Online Course Offerings
Chatfield offers online courses, using Edgenuity, for credit recovery and for courses not offered in the classroom. Students that have a college need or career interest requiring a certain class should see the counselor about online offerings. Students failing an online course will not be allowed to take any more online courses unless approved by the principal.

Minimum Course Requirements/Graduation Requirements
All students must take five courses each trimester unless the student has met each of the following:

1. a minimum number of completed credits to date
2. a score that meets or exceeds on each of the 10^{th} grade MCA reading, and 11^{th} grade MCA math tests -or- a CP or low risk score in both math and reading on the most recent Fastbridge assessment.
3. an attendance record that demonstrates responsible attendance without tardies or unexcused absences.

Students meeting these terms may reduce their course load to four courses for a trimester.

Students must have completed a **minimum** of 28 credits, including all required courses, to walk in the graduation ceremony.

Study Halls
Students that wish to include a study hall period in their schedule may request to have only four academic courses in the trimester. Students are **cautioned** that there is minimal space in schedules over the course of four years to complete all graduation requirements, including a minimum of 28 credits. Study hall requests will be considered based upon credits to-date, student schedule rigor, and course availability.

Program/Schedule Changes
If a student wishes to change their schedule, they must discuss this with the counselor. Once school starts, changes are allowed only during the first three days of the new course. Changes after the first three days must be approved by the review committee, which makes a recommendation to the building principal to allow the change. To start this process students must contact the school counselor. The review team will consider any special circumstances and make their recommendation to the building principal. The building principal makes the final decision regarding program or schedule changes.

ADVICE TO COLLEGE & TECHNICAL COLLEGE BOUND STUDENTS

Because college entrance requirements vary greatly, we strongly recommend that the college-bound student become familiar with entrance requirements of the college of his/her choice by contacting the counselor. Most four-year colleges in Minnesota require a student to be in the upper half of his/her class and also perform satisfactorily on an entrance test. Colleges like to see students who have carried college preparatory courses or more academic subjects and have earned better than average grades in them. Consult your registration book and the counselor for this type of class in the different areas of learning.

NCAA DIVISON ONE ELIGIBILITY REQUIREMENTS

For high-school athletes enrolling in college full-time in 2023-24 and beyond:

- Complete 16 core courses using pass/fail grades:
    - English: 4 years
    - Math (Algebra 1 or higher): 3 years
    - Natural/Physical Science (Including 1 year of lab, if offered): 2 years
    - Social Science: 2 years
    - Additional Courses
        - English, Math or Science: 1 year
        - English, Math, Sciences, Foreign Language, Comparative Religion or Philosophy: 4 years
- Core Course Progression: You must complete 10 core courses by the beginning of senior year, or seventh semester. Among these 10, seven must be in the subjects of English, math or natural/physical science. This is known as the 10/7 rule.
- Earn a core course GPA of 2.3 or higher
- Graduate high school
- Receive final certification on your amateurism status via the NCAA Eligibility Center

Once you enter your senior year, the grades you've received in your core courses are "locked in" and cannot be changed. **If you're currently a junior in high school, it's crucial to keep an eye on your core course count.** You might need to take additional courses during the summer between your junior and senior years to meet this requirement.

12th GRADE ~ CLASS OF 2026

Chatfield High School Graduation Requirements

<u>MINIMUM</u> 28 Credits are required to graduate from Chatfield High School.

4 credits **English (Language Arts)**

Required Classes (4 credits):
English 9 A & B (1); English 10 A & B (1); English 11 (.5) & English Selective (.5); English 12 (.5) & English Selective (.5)

Selective Classes:*
Film Studies (.5), American Short Fiction (.5), Automotive Literature (.5), Drama as Literature (.5), Mythology (.5), Novels (.5), Media Literacy (.5), Technical Writing (.5), Creative Writing (.5)

4 credits **Social Studies**

Required Classes (4 credits):
Geography 9 (.5) and Civics 9 (.5); US History A & B (1); World History A & B *or* (1), College European History A & B (1); Senior Social (.5) and either Psychology (.5) *or* Sociology (.5),

4 credits **Math**

Required Classes (3 credits):
Intermediate Algebra A & B (1); Geometry A & B (1); Algebra II A & B (1)

Selective Classes (need minimum 1 credit):*
Precalculus (.5), Trigonometry (.5), Statistics (.5), Personal Finance (.5), College Algebra (.5), Energy/Power/Transportation (.5), CIS College Calculus (1)

4 credits **Science**

Required Classes (3 credits):
Biology 9 A & B (1); Environmental Science 10 (.5) and Earth & Space Science 10 (.5); Chemistry A & B (1) or Physics A & B (1) or Food Science Chemistry A & B (1)

Selective Classes (need minimum 1 credit):*
Physics A & B (1), Forensic Science I (.5), Forensic Science II (.5), Ecology (.5), Biotechnology A & B (1), AP Biology A & B (1.5), CIS Chemistry A & B (1), CIS Human Anatomy and Physiology I (1), CIS Human Anatomy and Physiology II (1), CIS Physics A & B (1), Food Science Chemistry A & B (1), CIS Introduction to Animal Science (.5)

2 credits **Physical and Health Education**

Required Classes:
PE 9 (.5); PE Selective (.5) in grades 11 and 12; Health A (.5); Health B (.5)

*Selective Classes**:
Women's Strength, Fitness & Games (.5), Lifetime Sports (.5), Games & Sports (.5)

0.5 credit **Engineering**

Required Classes: Engineering 10 (.5) or CIS Manufacturing Engineering A & B (.5)

0.5 credit **Economics (required)**

1 credit **Art and/or Music (required)**

(Total 20 required credits.)

Plus 8 electives* to reach 28 credits. *Not all elective/selective classes are offered every year.*

11th GRADE ~ CLASS OF 2027

Chatfield High School Graduation Requirements

<u>MINIMUM</u> 28 Credits are required to graduate from Chatfield High School.

4 credits **English (Language Arts)**

Required Classes (4 credits):
English 9 A & B (1); English 10 A & B (1); English 11 (.5) & English Selective (.5); English 12 (.5) & English Selective (.5)

Selective Classes:*
Film Studies (.5), American Short Fiction (.5), Automotive Literature (.5), Drama as Literature (.5), Mythology (.5), Novels (.5), Media Literacy (.5), Technical Writing (.5), Creative Writing (.5)

4 credits **Social Studies**

Required Classes (4 credits):
Geography 9 (.5) and Civics 9 (.5); US History A & B (1); World History A & B *or* (1), College European History A & B (1); Senior Social (.5) and either Psychology (.5) *or* Sociology (.5),

4 credits **Math**

Required Classes (3 credits):
Intermediate Algebra A & B (1); Geometry A & B (1); Algebra II A & B (1)

Selective Classes (need minimum 1 credit):*
Precalculus (.5), Trigonometry (.5), Statistics (.5), Personal Finance (.5), College Algebra (.5), Energy/Power/Transportation (.5), CIS Calculus (1)

4 credits **Science**

Required Classes (3 credits):
Biology 9 A & B (1); Environmental Science 10 (.5) and Earth &Space Science 10 (.5); Chemistry A & B (1) or Physics A & B (1) or Food Science Chemistry A & B (1)

Selective Classes (need minimum 1 credit):*
Physics A & B (1), Forensic Science I (.5), Forensic Science II (.5), Ecology (.5), Biotechnology A & B (1), AP Biology A & B (1.5), CIS Chemistry A & B (1), CIS Human Anatomy and Physiology I (1), CIS Human Anatomy and Physiology II (1), CIS Physics A & B (1), Food Science Chemistry A & B (1), CIS Introduction to Animal Science (.5)

2 credits **Physical and Health Education**

Required Classes:
PE 9 (.5); PE Selective (.5) in grades 11 and 12; Health A (.5); Health B (.5)

*Selective Classes**:
Women's Strength, Fitness & Games (.5), Lifetime Sports (.5), Games & Sports (.5)

0.5 credit **Engineering**

Required Classes: Engineering 10 (.5) or CIS Manufacturing Engineering A & B (.5)

0.5 credit **Economics (required)**

0.5 credit **Spanish I A (may have been completed in 8th grade)**

1 credit **Art and/or Music (required)**

(Total 20.5 required credits.)

Plus 7.5 electives* to reach 28 credits. *Not all elective/selective classes are offered every year.*

9th/10th GRADE ~ CLASS OF 2028 & AFTER

Chatfield High School Graduation Requirements

MINIMUM 28 Credits are required to graduate from Chatfield High School.

4 credits **English (Language Arts)**

Required Classes (4 credits):
English 9 A & B (1); English 10 A & B (1); English 11 (.5) & English Selective (.5); English 12 (.5) & English Selective (.5)

Selective Classes:*
Film Studies (.5), American Short Fiction (.5), Automotive Literature (.5), Drama as Literature (.5), Mythology (.5), Novels (.5), Media Literacy (.5), Technical Writing (.5), Creative Writing (.5)

4 credits **Social Studies**

Required Classes (4 credits):
Geography 9 (.5) and Civics 9 (.5); US History A & B (1); World History A & B *or* (1), College European History A & B (1); Senior Social (.5) and either Psychology (.5) *or* Sociology (.5)

4 credits **Math**

Required Classes (3 credits):
Intermediate Algebra A & B (1); Geometry A & B (1); Algebra II A & B (1)

Selective Classes (need minimum 1 credit):*
Precalculus (.5), Trigonometry (.5), Statistics (.5), College Algebra (.5), Energy/Power/Transportation (.5), CIS Calculus (1)

4 credits **Science**

Required Classes (3 credits):
Biology 9 A & B (1); Environmental Science 10 (.5) and Earth &Space Science 10 (.5); Chemistry A & B (1) or Physics A & B (1) or Food Science Chemistry A & B (1)

Selective Classes (need minimum 1 credit):*
Physics A & B (1), Forensic Science I (.5), Forensic Science II (.5), Ecology (.5), Biotechnology A & B (1), AP Biology A & B (1.5), CIS Chemistry A & B (1), CIS Human Anatomy and Physiology I (1), CIS Human Anatomy and Physiology II (1), CIS Physics A & B (1), Food Science Chemistry A & B (1), CIS Introduction to Animal Science (.5)

2 credits **Physical and Health Education**

Required Classes:
PE 9 (.5); PE Selective (.5) in grades 9 through 12; Health A (.5); Health B (.5)

*Selective Classes**:
PE 9-10 Selective (.5), Women's Strength, Fitness & Games (.5), Lifetime Sports (.5) or Games & Sports (.5)

0.5 credit **Engineering**

Required Classes: Engineering 10 (.5) or CIS Manufacturing Engineering A & B (.5)

1 credit **Business**

Required Classes: Economics (.5) and Personal Finance (.5)

0.5 credit **Spanish I A**

1 credit **Art and/or Music (required)**

(Total 21 required credits.)

Plus 7 electives* to reach 28 credits. *Not all elective/selective classes are offered every year.*

ENGINEERING 10 **0.5 Credit**
Course can fulfill a 0.5 Engineering credit
This course is an introductory class to electricity and electrical wiring, MIG welding, 3D printing, and laser engraving. Students will utilize science, math, and engineering concepts to explore these topics. Students will be engaged with a combination of classroom and lab (shop) instruction. Students will be required to demonstrate their skills through hands-on activities and labs.

CIS MANUFACTURING ENGINEERING A & B (10-12) **0.5 Credit**
MN State Southeast Technical, Winona – Course CMAE 1510 & MACH 1610 **4 College Credits**
Course can fulfill a 0.5 Engineering credit
This course is 1 trimester.
Courses will focus on print reading for the machinist and precision measuring and gauging.

A = PRINT READING (0.25 Credit)
This course is intended for the student that is interested in engineering and machining processes. It will focus on the purpose of prints in the design and manufacturing process. Concepts will include the fundamentals of visualizing shapes, line usage, title blocks & notes, math, measurement, dimensions, and tolerances.

B = PRECISION MEASURING & GAUGING (0.25 Credit)
This course will provide the theory, technique, and care of typical measuring tools used in the Machining profession. Students will learn various measuring techniques used in the manufacture of machined parts. Students will learn how to use a digital caliper, micrometer, depth micrometer, pitch micrometer, and telescoping gauges.

CIS ENGINEERING DRAFTING/DESIGN (10-12) **0.5 Credit**
MN State Southeast Technical, Winona – Course MACH 1662 **3 College Credits**
Class offered rotating years. Offered 2025-2026.
This course will be an introduction to drafting using CAD Fusion 360 program. Students draw various parts (CAD) and then write the program to machine them (CAM).

VEHICLE MAINTENANCE (10-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course is for students who are interested in the basics of vehicle care and operation regardless of experience. Students will be engaged with a combination of classroom and lab (shop) instruction to become familiar with vehicle maintenance and repair. Course topics will include oil change and lubrication, coolant systems and antifreeze, tire changes and rotation, basic maintenance inspection, electrical systems and more.

CIS CNC OPERATIONS 1 (10-12) **0.5 Credit**
MN State Southeast Technical, Winona – Course MACH 1641 **2 College Credits**
This course is an introduction to CNC precision machining technology. This course will familiarize the student with CNC machining and set up. Students will learn how to set up the tools of the machine, verify the program, and then run programs on the CNC metal lathe.

FUN WITH FIRE-PRODUCTION ENGINEERING (11-12) **0.5 Credit**
This course will provide students the opportunity to explore production engineering concepts as it relates to metals, plasma cutting, and design. Students will have hands on labs where they will implement concepts in the areas of oxy-acetylene welding and cutting, arc welding, MIG welding, plasma cutting and metal fabrication. Students will be engaged with a combination of classroom and lab (shop) instruction. Students will become proficient at a variety of welds using a variety of electrodes. Good technique **will be stressed**.

"MORE" FUN WITH FIRE-PRODUCTION ENGINEERING (11-12) **0.5 Credit**
Prerequisite: Successful completion of Fun with Fire–Production Engineering
This course will take everything learned in Fun with Fire and turn it into projects.

CIVIL ENGINEERING (11-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
Trimester 1 or Trimester 3
This course will be an introduction to drafting, residential design, production technology, construction, and land surveying. Students will utilize science, math, and engineering concepts to explore these topics. Students will be engaged with a combination of classroom and lab (shop) instruction.

ENERGY/POWER/TRANSPORTATION (11-12) **0.5 Credit**
Course can fulfill a 0.5 math credit
Not approved for a NCAA math requirement.
In this course students explore electrical, mechanical, fluid power systems and wind, solar, geothermal, and chemical energy systems. Students will use technology to develop knowledge and skills related to the production, conversion, and storage of energy and systems used to power and control the vehicles of modern transportation systems. Student projects will include activities related to alternative energy systems, applied physics, electronics, hydraulics, pneumatics, mechanical power, flight, and small engines.

FOOD SCIENCE CHEMISTRY A & B (11-12) **1 Credit**
Prerequisite: Successful completion of Intermediate Algebra A & B
Students must take Chemistry A & B or Food Science Chemistry A & B or Physics A & B to meet the Chemistry graduation requirement.
Not approved for a NCAA science requirement.
This course is a blend of chemistry concepts and food science. The bulk of the course will include concepts in chemistry, blended with food science and food labs. This course is primarily hands on and is offered to meet the chemistry requirement or a science elective credit.

INTRODUCTION TO AGRICULTURE (9-10) **0.5 Credit**
In this course students will be introduced to a variety of topics related to the industry of agriculture. This is a hands on class that will cover the topic areas of food science, small animals, wildlife, horticulture, and natural resources. Consumer based skills, personal growth, and leadership will also be covered.

MINNESOTA WILDLIFE (9-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course is geared towards the student that is or that wants to become more aware of the wildlife around them. We will study wildlife and habitat management, forestry, and ecosystems. This class is hands on with labs indoors and outside with a main project of building a 6ft spinning fishing pole.

AGRICULTURE AND FOOD PROCESSING (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
This course is designed to introduce students to how agricultural commodities are processed from farm to table. Areas covered will include, food, fiber, and natural resources. This is a hands-on class and labs will include raising food, preserving food through canning, freezing and dehydration, processing fiber into usable textiles, processing wood products, making maple syrup, and much more.

CIS INTRODUCTION TO ANIMAL SCIENCE (11-12) **0.5 Credit**
University of Minnesota – Course ANSCI 1101 **4 Credits**
Class offered rotating years. Offered 2026-2027.
Not approved for a NCAA science requirement.
This is a college-level introductory course that students may take for college credit through the University of Minnesota system. This is an excellent course for anyone with a career interest in veterinary medicine, agriculture, or animal science careers. Students will be provided with classroom and hands-on instruction in the care and management of cattle, sheep, horses, pigs, goats, poultry, and exotic species such as llamas and emus. This course is the equivalent of AnSci 1101 offered at the University of Minnesota – Twin Cities campus – CFANS Department.

EXPLORE ART (9-12) **0.5 Credit**
This course covers a number of basic art techniques in various areas to give an overview of what is involved in higher levels of senior high art. Special attention is given to classroom procedures, safety, and the processes required to work in various art forms. Students will be introduced to critiquing the effectiveness of their own artwork and the artwork of others. The focus of the course will be on building individual's creativity, exploring new media, and developing design thinking skills.

DIGITAL 2-D (10-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
The focus of this course is digital art and how to choose the best program to help create your project on. This course will focus just on two-dimensional images whether that be drawing these images, or editing images.

DIGITAL DESIGN FILM (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
The focus of this course is digital art and how to choose the best program to help create the project you're working on. This course will focus just on film, creating live action or stop motion films as well as animation.

DRAWING (10-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course is intended to be an in-depth course for students interested in two-dimensional artwork. We will focus specifically on drawing while working with a variety of media such as graphite, oil pastel, charcoal, colored pencil, etc.

PAINTING (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
This course is intended to be an in-depth course for students interested in two-dimensional artwork. We will focus specifically on painting while working with a variety of media such as acrylic, tempera, watercolor, and mixed media.

CERAMICS (10-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course is intended to be an in-depth course for students that are particularly interested in three-dimensional artwork, specifically clay. We will explore slab and coil construction in clay, throwing on the potter's wheel, kiln firing, glazing, and creating miniature clay architecture.

SCULPTURE (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
This course is intended to be an in-depth course for students that are particularly interested in three-dimensional artwork. We will be working with paper mache, soapstone, jewelry making, and stained glass.

PRINTMAKING (10-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course is intended to be an in-depth course for students interested in printmaking. We will explore a variety of printmaking techniques such as linocuts, mono prints, and screen printing.

FIBERS (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
This course focuses on different types of fiber art. Students will explore resist techniques for dying fabric, weaving, needle felting, and embroidery.

~~~~~~~~ BUSINESS ~~~~~~~~

INTRODUCTION TO BUSINESS (9-12) **0.5 Credit**
This course provides a broad overview of the functions of business. Topics covered include business and its environment, marketing, entrepreneurship, management, and topical issues facing the marketplace. The course helps students understand the contribution of business to the American economy using current business publications, media, and web resources to focus on applications of current business technologies. This course will enable the student to grow in their ability to understand the marketplace and consider the importance of business education in their future careers.

COLLEGE/CAREER READINESS PREP (11-12) **0.5 Credit**
This course gives students a comprehensive understanding of the steps needed to move confidently from high school to the general workforce, a formal apprenticeship, or even military service. This class teaches students critical thinking skills, informed decision making and realistic goal setting to produce a personalized career success plan.

PERSONAL FINANCE (required grade 10-12) **0.5 Credit**
Prerequisite: Successful completion of Intermediate Algebra A & B and Geometry A & B
This course will focus on math skills applicable to the real world. Topics include loans, insurance, credit, budgeting, investments, taxes, etc. It will also include a general math review of skills necessary for the course.

ECONOMICS (required grade 11 or 12) **0.5 Credit**
In this course, students will examine foundations and structure used in economic decision-making. Topics include economic reasoning tools, analyzing economic institutions, exploring socio economic issues, and the basic measurements of economic health and growth. In class we will integrate current events, real life decisions, personal finance, and economic choices and outcomes in the long and short-run.

~~~~~~~~ ENGLISH ~~~~~~~~

ENGLISH 9 A & B (required grade 9) **1 Credit**
This course focuses on the classic novel and short stories. Students will study basic literary terminology. Grammar, vocabulary, and thematic essays will also be covered. English 9 will culminate with a public speaking unit where a demonstration speech will be presented.

ENGLISH 10 A & B (required grade 10) **1 Credit**
Prerequisite: Successful completion of English 9 A & B
In this course students will read literature of multiple perspectives including literature of indiginous peoples, including short stories, novels, plays, and non-fiction texts. Students will analyze literary texts based on the time period, the author's experiences, and the reader's understanding of the text to today's world. Grammar, vocabulary, and essays will also be covered in the course. Assessments will include daily assignments, quizzes, tests, projects, and speeches. English 10 A emphasizes literature. English 10 B emphasizes grammar, writing, and public speaking.

READING STUDY SKILLS **0.5 Credit**
Reading Study Skills is an elective option. It does not satisfy an English course requirement.
This course will strengthen students' skills in the areas of non-fiction reading comprehension and analysis; idea development; presentation of conclusions; evidence, and reasoning; and English conventions.

ENGLISH 11 (required grade 11) **0.5 Credit**
Prerequisite: Successful completion of English 9 A & B and English 10 A & B
Students need one trimester English 11 for 0.5 credit and one trimester English "selective" for 0.5 credit to meet 1 credit English 11 requirement.
This course will evaluate the pivotal elements of American poetry, drama, short stories, and the novel. Students engage in rigorous researching and writing to produce an MLA research paper. A wide range of literary terms, analogies, and shorter essays are part of the curriculum.

ENGLISH 12 (required grade 12) **0.5 Credit**
Prerequisite: Successful completion of English 9 A & B, English 10 A & B, English 11 (1 credit)
Students need one trimester English 12 for 0.5 credit and one trimester English selective for 0.5 credit to meet 1 credit English 12 requirement.
This course will emphasize grammar, essay writing skills, and research writing. Students will learn formal documentation methods for research writing, with emphasis on MLA Style. Students will write research-based essays emphasizing informative and persuasive writing. Public speaking skills, including presenting formal topics in informative or persuasive speeches, will be addressed. Course work will include reading literature, including a novel.

FILM STUDIES (9-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course fulfills English 11 & 12 selective requirement
This course introduces the students to the basics of film analysis, cinematic formal elements, genre, and narrative structure. It helps students develop skills to recognize, analyze, describe, and enjoy film as an art and entertainment form. To understand how films are constructed to make meaning and engage audiences, students will be introduced to the basic "building blocks" and formal elements that make up the film as well as some fundamental principles of analysis, genre, style, performance, and storytelling. The class includes weekly readings, screenings, and short writing assignments.

AMERICAN SHORT FICTION (9-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
This course fulfills English 11 & 12 selective requirement
This course studies the development of the short story and poetry in American literature. The class will look at the history of short fiction's evolution in America. In addition, the course will help students better understand how to read, interpret, and enjoy poetry and the short story as an artistic medium.

AUTOMOTIVE LITERATURE (9-12) **0.5 Credit**
Class offered rotating years. Offered 2025-26.
This course fulfills English 11 & 12 selective requirement
This course explores and analyzes American literature and media that celebrates the role and influence of the automobile. The automobile's historical role and cultural significance will be evaluated thoroughly in regards to mobility, race, gender, class, age, and identity. Students will read auto-related literature from a wide variety of different authors. Writing and presenting about the automobile's influence in American literature and media will allow students to play an active role in this class.

DRAMA AS LITERATURE (9-12) **0.5 Credit**
Class offered rotating years. Offered 2025-26.
This course fulfills English 11 & 12 selective requirement
This course has the purpose of increasing the students' understanding, appreciation, and critical perceptions of theatrical events. Readings and course work will focus on the elements of theatrical practice. Participation in class discussions and class productions will offer avenues to explore students' individual theatrical interests.

MYTHOLOGY (10-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
Prerequisite: Successful completion of English 9 A & B
This course fulfills English 11 & 12 selective requirement
In this course students will read literature from various cultures including classical Greek and Roman mythology, Native American mythology, and others. Students will explore how mythology connects to the history and literature of cultures.

NOVELS (11-12) **0.5 Credit**
Prerequisite: Successful completion of English 9 A & B and English 10 A & B
This course fulfills English 11 & 12 selective requirement
2025-26 Focus: Human Diversity
Throughout this course students will read novels of various authors and genres. Students will analyze plot development, authorial intent, and historical influences on the novel. Students will write a literary analysis essay for at least one major work.

MEDIA LITERACY (11-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
Prerequisite: Successful completion of English 9 A & B and English 10 A & B
This course fulfills English 11 & 12 selective requirement
This course will stress the importance of understanding the influence of multiple forms of media on the reader. Students will explore strategies used for creating and publishing different forms of media including both print and digital media sources, including advertising. Students will learn to analyze and judge media for trustworthiness and effectiveness in achieving its goals, including the use of logical fallacies and ethical appeals. Assessment will include student analysis of media works and the creation of a media-based student project.

TECHNICAL WRITING (11-12) **0.5 Credit**
Class offered rotating years. Offered 2026-2027.
Prerequisite: Successful completion of English 9 A & B and English 10 A & B
This course fulfills English 11 & 12 selective requirement
Not approved for a NCAA science requirement.
Students considering pursuing careers in the sciences, mathematics, computer technologies, or in business may wish to consider this course as a complement to the technical writing in those industries.

CREATIVE WRITING (11-12) **0.5 Credit**
Class offered rotating years. Offered 2025-2026.
Prerequisite: Successful completion of English 9 A & B and English 10 A & B
This course fulfills English 11 & 12 selective requirement
This course will focus on students expressing themselves through many forms of writing, including poetic and prose. Students will explore the principles of plot structure, dialogue, character development, and language in their own work. Reflective writing, narrative writing, poetry, drama, and essay will be explored.

~~~~~~~~ MATHEMATICS ~~~~~~~~

Required Order of Sequence:

1. **Intermediate Algebra**
2. **Geometry**
3. **Algebra II**

INTERMEDIATE ALGEBRA A & B (required grade 8 or 9) **1 Credit**
Intermediate Algebra is a study of the mathematics of variables, the solving of linear and quadratic equations, by applying the properties of real numbers, factoring and using the quadratic formula, and a study of the graphs and solutions of equations involving one variable, two variables, inequalities, and quadratic. All this is combined with story problems to give practical applications to Algebra.

GEOMETRY A & B (required grade 9 or 10) **1 Credit**

Prerequisite: Successful completion of Intermediate Algebra A & B

In Geometry, students apply concepts from the study of two- and three-dimensional figures using hands-on geometric tools, as well as dynamic computer software. Emphasis is placed on using deductive reasoning in the analysis of the geometric topics of points, lines, planes, angles, parallel lines, congruence, similarity, polygons, circles, the Pythagorean theorem, right triangle trigonometry, area, volume, perimeter, coordinate geometry, and transformations.

ALGEBRA II SKILLS **0.5 Credit**

Students assigned "as needed" based on test results. Will count as a 0.5 math credit.

This course will strengthen students' skills in algebra in preparation for enrollment in Algebra II.

ALGEBRA II A & B (required grade 10-12) **1 Credit**

Prerequisite: Successful completion of Intermediate Algebra A & B and Geometry A & B

A study of operations of algebra, properties of real numbers, linear equations, functions, polynomials, factoring, rational expressions, radicals, irrational numbers, quadratic equations, complex numbers, sequences and series, exponential functions and logs, permutations, combinations, probability, and trigonometry sufficient for physics.

PRECALCULUS (11-12) **0.5 Credit**

Prerequisite: "C" or better in Algebra II A & B

This course focuses on extensions of algebraic topics such as exponential functions and logarithmic properties. There will also be geometric extensions with graphing and conic sections.

TRIGONOMETRY (11-12) **0.5 Credit**

This course covers a broad array of topics in the area of trigonometry. Beginning with simple trigonometric equations into advanced graphic and applied trigonometry, matrices, sequences, and series.

STATISTICS (11-12) **0.5 Credit**

Students will study aspects of statistics, including data collection, bias, the normal distribution, hypothesis testing, and confidence intervals. Specific emphasis will be placed on real-world connections and drawing conclusions from data.

CIS COLLEGE ALGEBRA (11-12) **0.5 Credit**

Riverland Community College - Course MATH1110 **3 College Credits**

Prerequisite: Successful completion of Algebra II A & B

The course will be a course based on the curriculum used at Winona State University with credit coming from Riverland Community College. This course will give students a rigorous preparation in algebra. Topics include review of basic algebraic concepts; functions and graphs; polynomial, radical, rational, exponential and logarithmic functions; equations, inequalities, systems of equations and inequalities; and applications.

CIS COLLEGE CALCULUS A & B (12) **1 Credit**

University of Minnesota - Course MATH 1371 **4 College Credits**

Prerequisite: "A or A-" Precalculus and Trigonometry

Students must be juniors or seniors in high school and have earned an A or A- in a rigorous pre-calculus class. They should have a background in pre-calculus, geometry, and visualization of functions/graphs, or teacher recommendation. Familiarity with graphing calculators is recommended. Students will develop problem-solving skills in the context of differential and integral calculus. Calculus is the course that connects mathematics to other disciplines, such as physics, psychology, and economics. Ninth and tenth graders "may" apply if they meet prerequisites.

~~~~~~~~ MUSIC ~~~~~~~~

Meets Performing Arts Requirement

CONCERT CHOIR (9-12) Full Year **1.5 Credits**

Students in Band and Choir will receive 0.75 credits for each for a total of 1.5 credits for the year.
Prerequisite: Previous experience preferred & commitment to sing with excellence.

The Choral Music Program is designed for students to achieve excellence as an ensemble through the study of music literacy and performance of quality vocal literature. Students will develop skills in sight singing, healthy vocal production, choral artistry, and musicianship while performing literature of various time periods and styles. Concert Choir rehearses five periods per week and performs at the Veteran's Day Concert, Winter Concert, Festival Concert, and Spring Concert. The choir also performs at large group (required - full choir) and small group (not required – solo /ensemble) MSHSL festivals each year. Other opportunities to perform include, but are not limited to: caroling, small group appearances, sporting events, etc. Students are also encouraged to audition for and participate in Women's Choir, Men's Choir, and various honor choirs and festivals throughout the year.

WIND ENSEMBLE (9-12) Full Year **1.5 Credits**

Students in Band and Choir will receive 0.75 credits for each for a total of 1.5 credits for the year.
Prerequisite: Successful completion of MS Concert Band or interest via taking summer lessons to start a band journey for the first time.

New students to the school district should meet with the instructor prior to registration to get placement instructions.

Emphasis shifts from the skill-building of the early band years to the nuance, finesse, and artistry required in an actively performing ensemble. Required participation past daily rehearsal involves:

Evening curricular concerts

1) The band program's Veteran's Day/Fall Concert in early/mid-November
2) MSHSL Large Group Festival in mid/late March
3) Home Concert showcasing the competition pieces from the MSHSL festival in mid/late March
4) The band program's Pops Concert in late April/early May

Community events

1) Memorial Day Parade and Program in May
2) CHS Graduation ceremony in June

Marching Band events

1) Homecoming festivities (Marching Field Show, pep fest/coronation ceremony) as requested by our Student Senate
2) Western Days camp/Parade in August

All of the above performance opportunities create a well-rounded musician that learns quality music and serves the school and community in a leadership capacity. Valley jazz, colorguard, solo-ensemble competition, and various honor band festivals round out the wind ensemble student's resume, if desired.

~~~~~~~~ PERSONAL FITNESS ~~~~~~~~

HEALTH 9/10 (required grades 9 and 10) **1 Credit**

The health department for senior high school is a required curriculum for boys and girls in grades 9th and 10th in a combined classroom. The students will receive ½ credit each year for two years of health. There will be an "A" syllabus for odd years and a "B" syllabus for even years. The 2025-26 school year will use the "B" syllabus. Below will be a breakdown for each year's syllabus. This curriculum will also be using outside speakers from Olmsted Public Health, who will speak on various topics such as stress, relationships/break ups, alcohol & drug use, driving skills and safety, STD/STI, mental health, suicide, and nutrition. We also have Lifesource, which focuses on the importance of being an organ donor, and our local EMT leader covering first aid and CPR.

Health 9/10 A (Offered 2026-2027 School Year)
Units to be focused on, but not limited to, are the following:

1. Health and Wellness
2. Physical Fitness
3. Death Ed/Grief and Loss
4. Suicide Prevention
5. Noninfectious Diseases
6. First Aid and CPR
7. Stages of Life
8. Marriage and Parenthood

Health 9/10 B (Offered 2025-2026 School Year)
Units to be focused on, but not limited to, are the following:

1. Stress Management
2. Your Body Systems
3. Conflict Management
4. Preventing Violence and Abuse
5. Infectious Diseases
6. Mental and Emotional Health
7. Adolescent Growth and Development
8. Health and the Environment

PHYSICAL EDUCATION 9 (required grade 9) 0.5 Credit
Students need one trimester Phy Ed 9 for 0.5 credit and one trimester Phy Ed "selective" in grades 10 through 12 for 0.5 credit to meet 1 credit Phy Ed requirement.
This course will focus on personal fitness, individual and team activities, and rules and strategies to the various games and activities covered in class. Students will also be required to change every day unless the teacher says otherwise. Athletic shoes are also required as no boots or dress shoes are allowed in class. Proper dress is part of each students' grade along with proper participation, attitude, and effort. Papers will be assigned for absences or other reasons for missed classroom participation.

PHYSICAL EDUCATION 9-10 SELECTIVE (9-10) 0.5 Credit
This course fulfills the Phy Ed selective requirement.
This class focuses on developing and applying general fitness principles. Students will learn about exercising safely and developing fitness plans that they can tailor to their own needs. Students that are currently engaging in training or participating in athletics will be able to complement their existing plans. Topics will include exercise safety, proper technique and form, key concepts in both cardio and resistance training, and fitness plan development. Activities will include both training and engaging activities that emphasize general fitness.

WOMEN'S STRENGTH, FITNESS, AND GAMES (11-12) 0.5 Credit
This course fulfills Phy Ed selective requirement
This class focuses on strength and fitness training for women and playing games popular with our students. Students will strength train three days per week. On the other days, students will play a variety of games including volleyball, soccer, and yard games. Complete dedication to a strength program and maximum effort during games and activities is a requirement.

LIFETIME ACTIVITIES (11-12) 0.5 Credit
This course fulfills Phy Ed selective requirement
This course will focus on developing a better understanding of the different lifetime leisure activities, and fitness choices related to maintain a healthy living style. Possible activities and fitness programs will include tennis, bowling, golf, badminton, ping pong, biking, frisbee games, yard games, snow shoeing, intramural/Coed sports, weight training, yoga, Pilates, and cardio kickboxing.

GAMES AND SPORTS (11-12) **0.5 Credit**

This course fulfills Phy Ed selective requirement

This Physical Education class will be offered to 11th and 12th graders as an elective. Students will have the opportunity to gain an understanding of the different yard games, indoor games, and team sports to carry with them after high school. Some of these activities include, but not limited to tennis, bowling, badminton, table tennis, pickle ball, spike ball, Frisbee games, yard games and card games. In addition, there will be an introduction to intramural/Coed sports like softball, soccer games, flag football, basketball, etc.

~~~~~~~~~~ SCIENCE ~~~~~~~~~~

BIOLOGY 9 A & B (required grade 9) **1 Credit**

Biology is a class designed to give students a solid foundation in the principles of life science and to teach them how to be scientifically literate. Scientific literacy enables students to use scientific principles and processes to make personal decisions and to participate in discussions of scientific issues that affect society. Areas of focus include: ecology, molecular biology, heredity and genetics, natural selection and evolution. Students will gain experience in critical thinking and an understanding of biological processes to use in their everyday life activities.

ENVIRONMENTAL SCIENCE 10 (required grade 10) **0.5 Credit**

Prerequisite: Successful completion of Biology 9 A & B

Environmental Science is a one trimester required science course designed to offer students a solid curriculum in current environmental issues with a primary focus on developing an awareness of the delicate balance of Earth's systems and the impacts of human activity. The class will identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and preventing them. Topics include the carbon cycle, atmospheric feedback models, land use and management, soil analysis, the water cycle, pollution, waste management, traditional and alternative energy, and sustainability.

EARTH & SPACE SCIENCE 10 (required grade 10) **0.5 Credit**

Prerequisite: Successful completion of Biology 9 A & B

This course is a one trimester required science course focusing on the physical structure of Earth, climate modeling, Earth's place in the universe as well as the life cycle and function of stars. Students will learn about scientific inquiry, layers of the Earth, planetary motion, gravitation, space exploration, the solar system and the universe.

CHEMISTRY A & B (10-12) **1 Credit**

Prerequisite: Successful completion of Intermediate Algebra A & B

Students can take Chemistry A & B or Food Science Chemistry A & B or Physics A & B to meet Chemistry graduation requirement.

Students planning on going to a 2 or 4-year college should take this chemistry course to meet acceptance requirements. Students will be introduced to basic chemistry laboratory techniques, learn to manipulate and interpret quantitative data, and model the structure and reactivity of inorganic compounds. Topics include characteristics of matter, atomic theory, trends of the periodic table, chemical bonding, classifying and balancing chemical reactions, stoichiometry, gas laws, solutions, and acids and bases. Students will investigate how chemistry is an integral part of daily life. A scientific calculator is required.

PHYSICS A & B (11-12) **1 Credit**

Prerequisite: Grade of "B" or higher in Intermediate Algebra A & B and Algebra II A & B (or instructor approval)

Trimester 1 and Trimester 2

This course involves students conducting laboratory investigations, using the scientific method during investigations and making informed decisions while using critical thinking and scientific problem solving. Students study a variety of topics which include: laws of motion, waves, conversion of energy and momentum as well as forces and interactions. Students who successfully complete physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues and develop critical thinking skills. Students will need a scientific calculator for this course.

ECOLOGY (10-12) **0.5 Credit**

Prerequisite: Successful completion Biology A & B

Trimester 1

Ecology is a one trimester elective science course that studies the living environment. Project-based learning includes water quality monitoring on Mill Creek and the Root River using benthic macroinvertebrates, identification of native tree and prairie plant species, and stocking local waterways with trout from the Lanesboro Fish Hatchery. Topics include biodiversity, natural selection, survivorship, properties of populations, symbiosis, and succession. The goal of the course is to develop the ability to gather and analyze quantitative ecological data.

BIOTECHNOLOGY A & B (11-12) **1 Credit**

Prerequisite: Successful completion of Biology A & B

This class is designed to give students a solid foundation in the principles, ethical issues and laboratory techniques of the rapidly growing field of science called biotechnology. Topics of study will include genetic engineering, forensics, stem cells, reproductive technology and food production. This class is appropriate for anyone considering a career in biology, medicine, agriculture, law enforcement, or related fields.

FORENSIC SCIENCE I (11-12) **0.5 Credit**

Prerequisite: Successful completion of Biology A & B

This elective course is designed to educate students about forensic science and applications to real crime. Students will participate in several units of study, such as history of forensics, crime scene investigation, collecting evidence, trace evidence, and criminal psychology. All units will closely follow case studies involving these topics.

FORENSIC SCIENCE II (11-12) **0.5 Credit**

Prerequisite: Successful completion of Biology A & B and Forensic Science I

This elective course is designed to build on the introductory topics learned in forensic science I. Students will participate in several units of study, such as arson, ballistics, crime scene to court room and death investigation. All units will closely follow case studies involving these topics.

AP BIOLOGY A & B & C (11-12) **1.5 Credits**

Year-long Course (3 Trimesters)

Prerequisites: Successful completion of both Biology A & B and Chemistry A & B

AP Biology is the equivalent of two semesters of introductory college level biology. It differs significantly from high school biology with respect to the college level textbook, the range and depth of topics covered, the kind of laboratory work performed, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The AP Biology course topics include in depth studies of biochemistry, cell biology, cell energetics, the cell cycle, heredity, molecular genetics, organism diversity, and ecology. The coursework is demanding and rigorous in preparation for the AP Biology exam.

CIS HUMAN ANATOMY AND PHYSIOLOGY I (11-12) **1 Semester/1 Credit**
Minnesota State College Southeast - Course BIOL 2515 **4 College Credits**
Prerequisite: Successful completion Biology A & B. Seniors must have a 2.5 GPA and Juniors must have a 3.0 GPA.
Human Anatomy and Physiology I introduces the structure and function of the human body with an emphasis on normal health. This course includes a review of cellular biology, cellular transport, cell reproduction and basic biochemistry. Topics covered include histology, the integumentary system, skeletal system, articulations, muscular system, and nervous system.

CIS HUMAN ANATOMY AND PHYSIOLOGY II (11-12) **1 Semester/1 Credit**
Minnesota State College Southeast - Course BIOL 2516 **4 College Credits**
Prerequisite: Successful completion of BIOL 2515: Anatomy and Physiology I. Seniors must have a 2.5 GPA and Juniors must have a 3.0 GPA
Human Anatomy and Physiology II continues the study of the human body from Human Anatomy and Physiology I. This course includes principles of chemistry, biochemistry, and molecular biology as they relate to the study of normal body function. Topics covered include the endocrine system, cardiovascular system, immune system, respiratory system, urinary system, digestive system, and reproductive systems.

CIS COLLEGE CHEMISTRY A & B (11-12) **1 Credit**
Southwest MN State University, Marshall – Course CHM 231 & CHM 231Lab **4 College Credits**
Prerequisites: Successful completion of Chemistry A & B and Algebra II A & B. Seniors need 3.0 GPA and be in top 1/2 of class rank. Juniors need 3.0 GPA and be in top 1/3 of class rank.
Trimester 2 and Trimester 3
College Chemistry builds understanding of the nature and reactivity of matter. After covering the structure of atoms, molecules, ions, chemical bonding, and 3D molecular geometry, the course solves quantitative chemical problems. It explores the electronic structure of atoms, periodic properties, reaction stoichiometry, aqueous solutions, and thermochemistry. This course is the equivalent of an introductory college-level chemistry course.

CIS COLLEGE PHYSICS A & B (11-12) **1 Credit**
Riverland Community College – Course PHY 2201 and Lab 2501 **5 College Credits**
Prerequisite: Successful completion of Physics A & B and Calculus (or concurrently taking Calculus)
Trimester 2 and Trimester 3
This is the first of a two-semester physics course sequence (both lecture and lab) intended primarily for students majoring in the fields of engineering, agriculture education, computer science, physics, astronomy, chemistry and other physical science disciplines. This course is a college course taught concurrently with your high school class.

~~~~~~~~ SOCIAL STUDIES ~~~~~~~~

GEOGRAPHY 9 (required grade 9) **0.5 Credit**
This course, Geography 9, will revisit and expand upon knowledge and understandings developed in 8th grade Global Studies. The class is structured around the five themes of geography with a special emphasis on the ways that the natural environment influences human settlement and society. Students will practice reading and making different types of maps, appreciate the impact of weather and atmosphere on human life, and observe themes across political boundaries.

CIVICS 9 (required grade 9) **0.5 Credit**
Civics is designed as an introductory course to the government of the United States. First, students will study the historical events that led to the founding of America. Then we will study the Constitution, and finally the organization of federal and local governments today. Topics explored will include checks and balances, branches of government, federalism, and the process of creating laws.

US HISTORY 10 A & B (required grade 10) **1 Credit**

Prerequisite: Successful completion of Geography 9 and Civics 9

This course is a survey course over all of American History required for all 10th grade students. The class works chronologically from an examination of American Indian life pre-Columbus to a brief look at modern America post Cold-War. Students will identify diverse viewpoints on historical events and notice connections between the past and present. Topics explored include causes of the American Revolution, expansion and imperialism, the Civil War and Reconstruction, Great Depression, the World Wars and the Civil Rights movement.

WORLD HISTORY A & B (required 11-12) **1 Credit**

Can take CIS College European History A & B in place of World History

This course will examine the role geography, individuals, and interaction between people influenced the history of our world. Content will include the study of ancient civilizations (500 CE to 1400 CE), global interactions (1400 CE to 1800 CE), revolutions (1775 CE to 1914 CE), and the modern era (1814 CE to present). Small group projects, technology use, reading skills and writing skills will be emphasized.

CIS COLLEGE EUROPEAN HISTORY A & B (11-12) **1 Credit**

May take the place of World History

Students will take part A and part B in two concurrent trimesters

Riverland Community College – Course History 1011 and 1012 **6 College Credits**

Part A. History 1011 European History (Ancient to 1688)

This survey course explores European history from its origins to the "Glorious Revolution" of 1688 in England. The course will especially focus on the Greco-Roman roots of Western Civilization, the Medieval Period, the Renaissance and the Protestant Reformation. **(.5 High School Credit Social Studies)**

Part B: History 1012 European History (1688-Present)

This survey course explores European history from the "Glorious Revolution" of 1688 in England to the present. It focuses on the political revolutions of the nineteenth-century, industrialism, imperialism, and the twentieth-century decline of European power. **(.5 High School Credit Social Studies)**

Course Objective:

This course is part of the College in the Schools program at Chatfield High School. The purpose of this program is to provide challenging and rigorous courses for students who are academically ready for higher-level classes while still in high school. Throughout these courses students will have an opportunity to earn both high school and college credit. As such the objective of this class is to provide a course load that is engaging and challenging for students who have shown the interest and abilities to be successful at a more analytical and rigorous level in studying European History.

SENIOR SOCIAL (required grade 12) **0.5 Credit**

Students need one trimester Senior Social for 0.5 credit and one trimester Social Studies selective for 0.5 credit to meet 1 credit 12th grade Social Studies requirement.

This social studies course is a required course for seniors. This course will begin with a review of American government as learned in ninth grade Civics. Then, the course will examine the concepts of civil liberties, civil rights and current events. Throughout students will examine connections between the content and their own roles and responsibilities as citizens.

PSYCHOLOGY (11-12) **0.5 Credit**

This course fulfills Senior Social Studies selective requirement

This course will explore the question of why people act the way they do. If this is a question you've asked then, this is the class for you. Psychology is the study of human behavior and this course is designed to serve as an introduction to the field. In this class, students will start with learning about the history of psychology and then move on to explore the different topics within the field. Topics discussed will include biopsychology, developmental psychology, cognitive theories, personality, abnormal psychology and mental health.

SOCIOLOGY (11-12) **0.5 Credit**

This course fulfills Senior Social Studies selective requirement

This course examines Sociology, a social science that studies group behavior and social interaction. Throughout this course, students will gain a better understanding of what forms culture and group behaviors. Students will be introduced to a variety of topics and theories within the subject to gain a better understanding of human interactions. Topics explored will include subcultures, music, family, gender, religion, education, crime, current issues and social classes.

WORLD WAR II IN DEPTH (11-12 elective) **0.5 Credit**

Prerequisites: American History *and* either World History or CIS European History (or enrolled concurrently with World History B or CIS European History B)

This course, WWII in Depth, will explore the various components of WWII on a global scale. The course will start with a focus on the worldwide causes that led to the war and then look at the major battles and events that shaped the war. The course will end with a look at the decisions of the Big Three in forming a plan for peace and reconstruction after the devastating war. This course is taught as a project-based course and will analyze the war using many primary source forms of media.

~~~~~~~~ WORLD LANGUAGES ~~~~~~~~

Spanish is offered in the World Languages department. In our global society, there are compelling arguments for the study of languages. This includes research that has shown and continues to show that foreign language acquisition improves overall brain functioning. In addition, most four-year colleges require prospective students to have taken at least two years of the same world language in high school. Further, the World Languages department recommends that levels one and two of the chosen world language be taken with as little of a gap between courses as schedules allow. See the World Languages instructor with questions about the World Languages courses.

SPANISH I A (Required 9-12) **0.5 Credit**

In Spanish I A students will gain basic skills of reading, writing, and speaking in Spanish. Class begins by learning the basics of introductory conversation, pronunciation, and grammar. We will go on to expand our abilities based around vocabulary units of school, and family. At the end of Spanish I A students will be able to read, write, and talk in the present tense. Students will be able to have short conversations where they ask and answer questions about various planned topics. Students will also get a look into various cultural topics connected to each of the units of study.

SPANISH I B (9-12) **0.5 Credit**

In Spanish I B students will continue to gain basic skills of reading, writing, and speaking in Spanish. Class begins with a short review of the essentials of Spanish I A. We will go on to expand our abilities based around vocabulary units of sports and pastimes, travel, and clothing and shopping. At the end of Spanish I B students will be able to read, write, and talk in various present tenses and the past tense. Students will be able to have short conversations where they ask and answer questions about various planned topics. Students will also get a look into various cultural topics connected to each of the units of study.

SPANISH II A & B (10-12) **1 Credit**

Prerequisite: Successful completion of Spanish I A & B

In Spanish II students will build on the skills they acquired in Spanish I. Class will begin with a brief review of Spanish I and then expand to new units of study. Students will expand their vocabulary base to new areas such as daily routine, food, relationships and celebrations, body and health, technology and auto, and home. Students will further develop their skills in reading, writing and speaking in Spanish. This will be done with a focus on verb usage, and using Spanish spontaneously and without prompts. At the end of Spanish II students will be able to read, write and talk in all present and past tenses, as well as conditional, command, and future tenses. Students will be able to have spontaneous conversations about many topics and will be able to ask and answer questions about planned and unplanned topics. Cultural topics will be expanded and students will be prepared to continue Spanish courses at the university level.

SPANISH III A & B (11-12) **1 Credit**

Prerequisite: Spanish I A & B and II A & B minimum "B" average

In Spanish III students will build on skills they acquired in Spanish I and II. Class will begin with a brief review of Spanish I and II and then expand to new units of study. There will be a strong focus on reading, writing and speaking in Spanish at all times. Students will greatly expand their vocabulary of verbs and their ability to use verbs in all verb tenses. Students will explore new vocabulary units with the ability to have a choice in the areas of study. Activities will be based around conversation and extended writing on topics of student interest. At the end of Spanish III students will be able to read, write and talk in all verb tenses at a university level. They will also be prepared to take college placement exams with the possibility of gaining college credits towards Spanish classes.

~~~~~~~~ OTHER ELECTIVES ~~~~~~~~

PEER HELPING (11-12) **0.5 credit per trimester completed**

Requires application/approval for assistance from staff and be approved by counseling office. Must have 4 other academic courses in progress and maintain passing grades to continue peer helping. Course is graded Pass/Fail.

This course is a hands-on opportunity for students to assist staff members with day-to-day skills that need to be completed for normal school-day operations. This could include assisting teachers with setting up and taking down labs, assisting students who are struggling, and setting up for extra-curricular events, testing, presentations, banquets, and more. Students must maintain good attendance, display dedication and working/assisting skills. Students must do weekly journaling of their work and results. These journals will be reviewed weekly and kept in the counseling office. *Students seeking to serve as a peer helper will apply and be assigned based on a best fit. Students should not approach teachers/staff asking to be a peer helper.*

WORK EXPERIENCE T1, T2, T3 (11-12) **0.5 credit per trimester completed**

Requires approval of counseling and be on track with all required credits to do Work Experience. Must maintain passing grades to continue in this course.

Course is letter graded.

Students learn how to develop a career plan that is individualized, employment skills, develop the technical competencies to succeed in their chosen career and become aware of the potential jobs available throughout the world. Work experience allows the student to develop the skills necessary for successful employment by applying what is learned in class towards their current job, and bringing real life situations into class discussions. The students work on interpersonal relationships and communication skills along with using computer technology to learn about the different facets of the working world. Students are expected and graded on working Monday through Friday when they are released from class to go to their job site.