




**2024-25**

**ALBERT LEA**

**HIGH SCHOOL**

**COURSE OFFERINGS**



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*NOTE: The course catalog is a living document that changes as new courses are reviewed and previous offerings are ended. Please check with your counselor for the most up to date course information.*



# WELCOME MESSAGE

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**Chris Dibble**

Principal - Albert Lea High School

Welcome to Albert Lea!

Explore a wealth of educational opportunities at Albert Lea High School, where our expansive course catalog boasts over 120 courses. Along with a student body of around 1200, you can delve into a diverse array of subjects. Over five years at Albert Lea High School, you could master a new language, learn how to cook, discover your favorite book, develop a love for gardening in our greenhouse, or nurture healthy habits in our fitness classes.

Engage with passionate instructors, collaborate with fellow students, and embark on a comprehensive learning journey. Whether seeking skill enhancement for a future career or exploring new interests, our extensive catalog ensures a perfect course for every learner.

We are excited to have you join Albert High School's vibrant academic community and cannot wait for you to start paving your way to success here and beyond!

Chris Dibble  
Principal



## Tell Me About...

### Albert Lea High School



Albert Lea High School is located in the great city of Albert Lea in southern Minnesota.

Albert Lea High School employs 155 staff members, including 90 licensed staff members

Currently 1187 students are enrolled at ALHS.

At least a dozen languages are spoken across the homes of ALHS students.



ALHS sponsors over 30 sports and 30 activities and clubs.



Over the last five years, 88.6% of Albert Lea High School students have graduated.



Want to get a head start on college? ALHS students have earned almost \$2,000,000 in AP/CIS college credits over the last 5 years.



ALHS offers students opportunities to get career skill training in areas including CNA, Food Preparation, and Welding, along with general OSHA Safety certification.



ALHS offers student multiple course offerings that allow them to actively explore careers in the workplace, across various industries ranging from construction to health care.

# GRADUATION REQUIREMENTS

Forty-eight credits are required in grades 9-12 for a student to be eligible to graduate. District 241's school board approves the following graduation requirements and reflects those courses required by the state of Minnesota and those deemed essential by the board of District 241.

Each instructional hour, excluding study halls and Assistant hours, allows students to earn .5 credits per quarter. A course listed in the graduation requirements below states that "1 cr" is equivalent to a student passing an entire semester, while a "2 cr" is equivalent to a student passing a whole year.

Credits not earned by a student in class because of a failing grade will be made up through credit recovery programs or, in certain situations, repeating the class.

Albert Lea High School Graduation Requirements					
Subject	Grade 9	Grade 10	Grade 11	Grade 12	Total Credits
English	2 cr	2 cr	2 cr	2 cr	8
Math	2 cr	2 cr	2 cr	--	6
Science	2 cr	2 cr	2 cr	--	6
Social Studies	2 cr	2 cr	2 cr	2 cr	8
Phy Ed/Health	1 cr	1 cr	--	--	2
Career Exploration	1cr	--	--	--	1
Personal Finance	--	1 cr	--	--	1
Fine Arts	2 Total Fine Arts Credits Required				2
Elective	14 Total Elective Credits Required				14
Total Credits for ALHS Graduation					48

Some graduation requirements have been modified.

Students in the Class of 2025 and 2026 will need to collect 46 credits to graduate.

Students in the Class of 2027 will need to collect 47 credits to graduate including Personal Finance.

Students in the Class of 2028 and beyond, will need to collect 48 credits including Personal Finance and Career Exploration credits.

# SCHEDULING PROCEDURES

## Grading Periods and Credits at Albert Lea High School

Albert Lea High School follows a quarter schedule, with each day divided into eight periods (seven credit-earning and a FLEX/Lunch period), each lasting 42 to 50 minutes. Students must take at least six credit-earning classes at any time.

Each credit-earning class is worth .5 credits per quarter for each period of instruction (some classes offered cover two periods). Therefore, each student can earn up to 3.5 credits per quarter and seven credits per semester.

Study halls are available every semester, and a student can enroll in only one study hall (or Assistant section) per semester. A student enrolled in a study hall can only receive three credits per quarter and six total for the semester. A student can be enrolled in a study hall every semester and still meet the minimum credits needed for graduation.

8th-grade students will follow the same grading periods as students in grades 9-12.

## Course Drop/Add Policy

The scheduling process is intensive and time-consuming, starting in February and continuing until August. Students can select desired electives in the FLEX class or via one-on-one meetings with their counselors. By the time schedules are released at the start of August, adjusting electives is a complex process that will impact many school community members. If a scheduling conflict occurs, alternate electives the student selects during the registration process will replace conflicted requests.

If a schedule change is necessary for graduation or to get a student to six classes, students can ask for these changes between the release of the schedule at the beginning of August and the first day of school. Additionally, a student may request to drop a class in exchange for another class at this time. These requests can be made in person or via phone or email.

Once the school year begins, the only changes allowed will be to drop a class for a study hall if the student has seven credit-earning courses or to add a class for graduation credit. No class switches can be requested.

Students with seven credit-earning classes who desire to drop a course must submit a Drop/Add form to the counseling office by the end of the 10th day of school. **Dropping a course after the 10th day of the quarter will result in a failing grade for the class.**





# PATHS TO GRADUATION

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## **Model Schedules**

At Albert Lea High School, our counseling staff will work with every individual student to help them create their unique path to graduation. To assist in mapping out that journey, we have created three common paths (Career Ready, College Prep, and Honors). No student is locked into a path for their entire time at Albert Lea High School, and each option provides students with plenty of choices to explore different areas of interest. The model schedules offered are provided solely to give students and families an idea of each path's sequence of courses.

## **Elective Pathways**

One of the most critical parts of high school is giving students opportunities to discover what they want to do after they exit our doors for the last time. ALHS's diverse catalog of courses provides students with dozens of options to select from that could help them discover their post-secondary career path. To help students explore a field of interest, the ALHS counseling staff has constructed "Elective Pathways" to help students see what collections of classes could best serve to help a student explore a potential career field and gain foundational skills. No pathway is permanent, but completing a pathway is an excellent way for a student to gain experience and knowledge about an area they may one day pursue as their career.

Elective Pathways are constantly adjusted to meet the courses offered. Please check with your counselor for the most up-to-date information.



# PATHS TO GRADUATION CAREER READY

## Career Ready Path Model Schedule

9th Grade	9th Grade	10th Grade	10th Grade	11th Grade	11th Grade	12th Grade	12th Grade
English 9	English 9	English 10	English 10	American Studies - English	American Studies - English	Everyday English 12	Everyday English 12
World History	World History	Global Studies	Global Studies	American Studies - History	American Studies - History	Government	Economics
Earth & Space Science	Earth & Space Science	Biology	Biology	Chemistry or Physics	Chemistry or Physics	<i>Youth Apprenticeship or Diversified Work</i>	<i>Youth Apprenticeship or Diversified Work</i>
Intermediate Algebra	Intermediate Algebra	Geometry	Geometry	Algebra II	Algebra II	<i>Youth Apprenticeship or Diversified Work</i>	<i>Youth Apprenticeship or Diversified Work</i>
Phy Ed 9	Career Exploration	Personal Finance	Health 10	Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective

**\*\*Two Electives Must Be Fine Arts\*\***

***Italicized Classes Are Recommended***

# College Just Ahead

## PATHS TO GRADUATION COLLEGE PREP

### College Prep Path Model Schedule

9th Grade	9th Grade	10th Grade	10th Grade	11th Grade	11th Grade	12th Grade	12th Grade
English 9	English 9	English 10	English 10	English 11	English 11	English 11	English 11
World History	World History	Global Studies	Global Studies	US History	US History	Government	Economics
Earth & Space Science	Earth & Space Science	Biology	Biology	Chemistry or Physics	Chemistry or Physics	<i>Math for College</i>	<i>Trig &amp; Stat</i>
Intermediate Algebra	Intermediate Algebra	Geometry	Geometry	Algebra II	Algebra II	<i>Mentorship</i>	Elective
Phy Ed 9	Career Exploration	Personal Finance	Health 10	Elective	<i>On to College (ACT Prep)</i>	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective

**\*\*Two Electives Must Be Fine Arts\*\***

***Italicized Classes Are Recommended***





# PATHS TO GRADUATION HONORS

## Honors Path Model Schedule

9th Grade	9th Grade	10th Grade	10th Grade	11th Grade	11th Grade	12th Grade	12th Grade
English 9	English 9	Advanced English 10	Advanced English 10	CIS American Humanities	CIS American Humanities	CIS Writing through Literature	CIS Western Humanities
World History	World History	Advanced Global Studies	Advanced Global Studies	CIS Humanities Social	CIS Humanities Social	CIS American Government	AP Macroecon
Earth & Space Science	Earth & Space Science	Advanced Biology	Advanced Biology	Advanced Chemistry	Advanced Chemistry	<i>CIS Calculus</i>	<i>CIS Calculus</i>
Advanced Int. Algebra or Advanced Geometry	Advanced Int. Algebra or Advanced Geometry	Advanced Geometry or Advanced Algebra II	Advanced Geometry or Advanced Algebra II	Advanced Algebra II or CIS Pre-Calculus	Advanced Algebra II or CIS Pre-Calculus	<i>CIS Biology or Physics</i>	<i>CIS Biology or Physics</i>
Phy Ed 9	Career Exploration	Personal Finance	Health 10	Elective	<i>On to College (ACT Prep)</i>	Elective	<i>Mentorship</i>
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective

**\*\*Two Electives Must Be Fine Arts\*\***

***Italicized Classes Are Recommended***



# LIST OF COURSES BY DEPARTMENT

## **Agriculture**

- Introduction to Agriculture
- Small Animal Care
- Small Animal Care II
- Fish & Wildlife
- Horse Science
- Animal Science
- Plant Science
- CIS-Animal Science

## **Art & Photography**

- Drawing
- Drawing II
- Painting
- Mixed Media
- Digital Art
- Sculpture & Ceramics
- Sculpture & Ceramics II
- Black & White Photography

## **Business**

- Personal Finance
- Small Business Ownership
- Sports & Entertainment Marketing

## **Career Exploration**

- Career Exploration
- Diversified Work Seminar & Internship
- Youth Apprenticeship
- Nursing Assistant
- Exploring Careers in Education
- Mentorship Program

## **Engineering**

- Introduction to Engineering
- Principles of Engineering
- Civil Engineering & Architecture

## **English**

- English 9
- English 10
- Advanced English 10
- English 11
- American Studies - English
- CIS-American Humanities
- English 12
- Everyday English
- CIS-Writing Through Literature
- CIS-Western Humanities
- Acting & Theater
- Communications
- Creative Writing
- Popular Literature
- OnToCollege - ACT Prep
- First Year Experience

## **Journalism & Broadcasting**

- Introduction to Journalism
- Graphic Design
- Introduction to Broadcasting
- Tiger Vision
- Publications - Yearbook
- Publications - Ahlaha
- Film Studies
- Film Studies II

## **Family & Consumer Science**

- Basic Foods
- Advanced Foods
- Child Development
- Fashion Merchandising & Design

## **Industry & Trade Skills**

- Woods
- Woods II
- Machining & Manufacturing
- Welding
- CIS-Welding
- Residential Electricity
- Residential Electricity II
- Small Engines
- Small Engines II
- Building Construction

## **Math**

- Intermediate Algebra
- Advanced Intermediate Algebra
- Geometry
- Advanced Geometry
- Algebra II
- Advanced Algebra II
- CIS-Pre Calculus
- CIS-Calculus
- Math for College
- Statistics & Plane Trigonometry

## **Music**

- Tiger Band
- Tiger Choir
- Tiger Orchestra
- Tiger Band & Choir
- Tiger Band & Orchestra
- Tiger Choir & Orchestra
- Symphonic Band
- Concert Band
- Varsity Choir
- Concert Choir
- Symphony Orchestra

## **Physical Education & Health**

- Phy Ed 9
- Fit for Life
- Weights & Fitness
- Weights & Fitness II
- Health 10

## **Science**

- Earth & Space Science
- Biology
- Advanced Biology
- Chemistry
- Advanced Chemistry
- Physics
- CIS Biology
- Forensic Science
- Zoology
- Anatomy & Physiology

## **Social Studies**

- World History
- Global Studies
- Advanced Global Studies
- AP Human Geography
- American Studies - US History
- US History
- CIS-Humanities Social
- American Government
- CIS-Government
- Economics
- AP Macroeconomics
- Psychology
- AP Psychology
- Criminology
- History vs Hollywood

# LIST OF COURSES BY DEPARTMENT

## World Languages

- French I
- French II
- French III
- French IV
- Spanish I
- Spanish II
- Spanish III
- Spanish IV
- Spanish V
- Spanish for Heritage Speakers
- Spanish for Heritage Speakers II

## 8th Grade

- English 8
- Geography 9
- Science 8
- Basic Algebra 8
- Algebra 8
- Advanced Algebra 8
- Health 8
- Phy Ed 8
- Celebr8 Choir
- Tiger Band
- Tiger Orchestra
- Agriculture & Trades Exploration
- World Languages Exploration
- Art Exploration
- Tech Exploration
- FACS Exploration
- Tiger Pride



## **INTRODUCTION TO AGRICULTURE**

Course: 310AGR100 – 1 credit

Grade: 9-11

Moo, Baa, Cluck, FFA, Food?? This is an introductory class to the world of agriculture. Agriculture units will include: Growing plants, learning about animals, discovering where food comes from, busting myths, food waste--all including hand-on experiences--including eating food!! In the career exploration section, students will be introduced to agriculture careers and have the opportunity to research and job shadow areas of interest. Using the FFA organization as a model, this class will stress premier leadership, personal growth, and career success.

## **SMALL ANIMAL CARE**

Course: 310AGR101 – 1 credit

Grade: 9-12

This course deals with the care and handling, selection and breeding, and special issues relating to companion animals. These animals include dogs, cats, horses, birds, fish, small mammals, and reptiles. Specific activities include training, feeding, teeth care, and general care and health maintenance of the animal. Units in animal rights/welfare and career exploration will also be included. This is an excellent course for pet owners and for students interested in pursuing a career in veterinarian medicine or other animal care careers. FFA, an inter-curricular organization of the Agriculture program, will be discussed in this class.

## **SMALL ANIMAL CARE II**

Prerequisite: Small Animal Care with a B or better

Course: 310AGR201 – 1 credit

Grade: 10-12

This course introduces students to the profession of veterinary medicine. Topics of the course include veterinary law and ethics, career opportunities, occupational safety, care and management of small animals, anatomy, physiology and physical exams. The course will introduce the building of medical words including prefixes, suffixes, and combining forms of commonly used terminology in the veterinary medical field. Emphasis is on the structure and function of the anatomical systems of common domestic animals. The anatomy of the skeletal, muscular, respiratory, cardiovascular and neuro systems will be emphasized.

## **FISH & WILDLIFE**

Course: 310AGR200 – 1 credit

Grade: 10-12

Fishing for a new class? Reel up this wildlife course into your schedule. Up your game—make hunting and fishing more than just a hobby! Improve your knowledge of Minnesota's wild game and the fishing industry. You'll study the ecology of wildlife species' needs, struggles and populations and suggest ways to manage these populations to help them thrive. You will make fishing lures, plan a fishing trip, score deer antlers, and debate current issues in the state

## **HORSE SCIENCE**

Course: 310AGR202 – 1 credit

Grade: 10-12

A wide range of topics will be studied including judging, selling, selection, reproduction, nutrition, horsemanship, and disease control. In addition, we will look at the environmental and housing requirements of horses and the factors to consider when buying a horse. The course materials will be presented in a variety of formats and hands-on activities will be utilized whenever appropriate. FFA, an inter-curricular organization of the Agriculture program, will be discussed in this class.

## **ANIMAL SCIENCE**

Prerequisite: C or better in Biology or Adv Biology

Course: 310AGR203 – 1 credit

Grade: 11-12

This course is an introduction to the field of Animal Science. Species covered include beef, sheep, and swine. We will cover selection and evaluation, current topics, and product utilization. Animal Science from a consumer standpoint will be stressed. Financial Record keeping will also be covered in this course. This is an excellent course for students interested in pursuing a career in veterinarian medicine or other animal care careers. FFA, an inter-curricular organization of the Agriculture program, will be discussed in this class.



## **PLANT SCIENCE & GREENHOUSE MANAGEMENT**

**Prerequisite:** Introduction to Agriculture

Course: 310AGR204 – 1 credit

Grade: 10-12

Come learn and work in the warmest place in the school...the Greenhouse. Students will grow flowers and vegetables all while learning about floral design, parts of plants, functions, pest management, photosynthesis, and greenhouse management. Entrepreneurship and business operations are covered through selling our products at the end of the semester to members of the school. Get ready to be blooming with knowledge at the end of this course.

## **CIS - ANIMAL SCIENCE**

**Prerequisite:** Teacher Approval

Course: 310AGR600 - 1 credit

Grade: 11-12

Do you like Steak? How about Bacon? What about hands-on experience? If you said yes to any of these then sign up for this course to get up close and personal with beef, swine, poultry, dairy and sheep industries all while earning college credits!! We'll cover nutrition, reproduction, anatomy, marketing, meat science, animal health, breeding, and more. Experience traveling to a livestock sale, area farms, and trying your hand at being a large animal veterinarian.



## **DRAWING**

Course: 310ART100 – 1 credit

Grade: 9-12

This course will provide students with a comprehensive introduction to drawing that can be used as a foundation for future art classes. Students will complete a sequence of studies that will develop drawing techniques and skills using a variety of drawing media. Students will draw from life, photos, and make studies of other artists' work while studying the creative process and means of expression. Students who pass this class with a grade C or above are eligible to take Drawing II.

## **DRAWING II**

**Prerequisite:** Drawing with a grade C or higher

Course: 301ART200 – 1 credit

Grade: 10-12

Drawing B continues to develop skills and techniques in a variety of drawing medium. Students will draw from life, photos and make studies of other artists' work. Students will also study the creative process and the means of expression. Students must pass Drawing A with a grade of C or above to be eligible to take this course.

## **PAINTING**

**Prerequisite:** C or better in Drawing

Course: 310ART203 – 1 credit

Grade: 10-12

Explore the world of painting by examining the creative process. Students will work to develop their compositional skills and painting techniques in watercolor, ink, and acrylic painting. Students must pass Drawing with a grade of C or above to be eligible to take this course.

## **MIXED MEDIA**

Course: 310ART101 – 1 credit

Grade: 9-12

Mixed Media A is designed to explore a variety of materials. We will mix materials and art methods to create a sampling of projects that may include collage, baskets, printmaking, and recycled art. Anyone who enjoys using their creativity should consider taking this class.

## **DIGITAL ART**

Course: 310ART201 – 1 credit

Grade: 10-12

Digital Art is an introductory course that teaches the fundamental techniques and tools in Adobe Photoshop. Adobe Photoshop is a computer program widely used in graphic and web design, animation, and many other professional fields.

## **SCULPTURE & CERAMICS**

Course: 310ART102 – 1 credit

Grade: 9-12

This is an introductory course in sculpture. A variety of projects will be assigned to explore different methods of building. Some materials that may be used include paper mâché, recycled items, and clay. Art history and written assignments will also be part of this course.

## **SCULPTURE & CERAMICS II**

**Prerequisite:** Sculpture & Ceramics

Course: 310ART202 – 1 credit

Grade: 10-12

This course is designed to build upon the skills and techniques learned in Sculpture A. Students will continue to explore different methods of building and incorporate art history and written assignments into their learning. Students must pass Sculpture A with a grade of a C or above to be eligible to take this course.

## **BLACK & WHITE PHOTOGRAPHY**

Course: 310ART204 – 1 credit

Grade: 10-12

Black & White Photography is a fun and useful course whether you plan to start a career in photography or simply want to make better pictures. You will learn how to operate a 35 mm camera, develop film, and make prints. You will study the history of photography and research influential photographers. Cameras and film provided.

**ALL COURSES LISTED SATISFY THE FINE  
ARTS GRADUATION REQUIREMENTS**





# ART & PHOTOGRAPHY



## PERSONAL FINANCE

Course: 310BUS200 – 1 credit

Grade: 10-12

This course provides students with hands-on experiences on how to obtain, manage, and build their financial resources through computer simulations, industry professional visits, and personal reflections projects. This class will promote personal and financial independence by gaining an understanding of their financial options. Students will examine benefits and consequences of properly managing or mismanaging their personal wealth. Students will learn how budgeting, saving, and investing impact financial freedom. They will learn strategies to wisely invest money in stocks, bonds, and mutual funds. Students learn how to select financing and insurance for cars, apartments, and homes. Other topics of instruction include managing debt and credit, credit scores, credit reports, basics of taxes, and tax return preparation. This is an excellent class to prepare students for a financially secure and independent life after high school. **This course is a new requirement for graduation.**

## SMALL BUSINESS OWNERSHIP

Course: 310BUS201 – 1 credit

Grade: 10-12

This course is designed to have students create and maintain inventory records, financial records, marketing strategies, and make ethical decisions regarding running a small business. Students will also analyze business transactions and make decisions about product placement, business hours, financial decisions, and other elements that affect a business all through our online simulations.



## SPORTS & ENTERTAINMENT MARKETING

Course: 310BUS202 – 1 credit

Grade: 10-12

Interested in the dynamic areas of sports, entertainment and/or marketing? Marketing is an exciting industry and many jobs in the country deal with some aspects of marketing! In this course, you will explore the intriguing world of sports and entertainment from the perspective of marketing. Topics will include, but are not limited to, college & amateur sports, professional sports, public images, marketing entertainment, marketing plans, promotional planning, and legal issues. The activities in this course will help students to develop critical thinking, decision making, and communication skills. Speakers, current events, commercials, videos, team work, and simulations will be utilized. This course is recommended for any student who is considering a career in Business, Marketing, Sports & Entertainment, or Public Relations.





**CAREER EXPLORATION**

Course: 310CAR100 - 1 credit

Grade: 9

What do you want to be when you grow up? Maybe you already know or maybe you are still undecided, but either way, this Career Exploration course is for you. Over the semester, you will get the opportunity to explore what different careers do and how you get into the field. By the end of the course, you will have a better understanding of what you can do over the next three years to prepare yourself for life after ALHS. **This course is a new requirement for graduation.**

**DIVERSIFIED WORK INTERNSHIP AND DIVERSIFIED WORK SEMINAR**

**Prerequisite:**

- 38 credits by start of 12th grade
- Completed all required credits by the end of grade 11

Course: 310BUS400, 310BUS401, 310BUS402, 310BUS403 – 4 credits

Grade: 12

Diversified Occupations Seminar and Internship is taken as a 6th and 7th hour class. Students attend school up until 1:00 or 2:00 pm whereas they are released to be on-the-job for the afternoon. The Seminar portion of the course is taught by a certified work-based learning coordinator. Students will be required to attend the Diversified Occupations Seminar class (6th hour) every day for the first two weeks to complete employee agreements and to learn about safety and employee rights. After that, students will only be required to attend Diversified Occupations Seminar once a week. The Diversified Occupations Internship portion of the course is on-the-job experience, including self-analysis, career development, technical information, working with others, and individual job study. Students must be employed at an instructor-approved worksite by the first day of class where they work a minimum of 10 hours a week. If a student no longer is employed, they must enroll in 6th and 7th hour classes at the high school. Students must also be on track to graduate with all required courses completed by the end of grade 11 to enroll in Diversified Occupations Seminar and Internship.

**YOUTH APPRENTICESHIP**

**Prerequisite:** Grade of "B" or better in Youth Apprenticeship 11

Course: 310CTE400 – 2.5-6 credits

Grade: 12

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Minnesota industries. Albert Lea's program will provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students begin their journey in YA as juniors will take a safety course in the spring of their 11th grade. Students as seniors work 10-15 hours per week during the school year and are encouraged to work during the summer, depending on business needs.

**In order to apply**, students must be on track for high school graduation, have explored the career area they want to participate in, be interested in participating in a hands-on learning experience, and be at least 16-years-old. Students must also maintain strong employment performance. See your School Counselor or Mrs. Ebeling for more details.





## NURSING ASSISTANT

### Prerequisite:

- Parent & Student meetings
- Minimum MCA Reading score of 1042 or
- ACT score of 16

Length: Class meets 7:30am-9:30am, Monday – Friday at Riverland Community College (AL Campus) for approximately 7 weeks

Course: 310CTE600 – 2.0 HS credits;

Riverland (HCNA 1100) **3 college credits**

Grades: 11-12

Are you considering a career in the medical field?

This course offers students a unique opportunity to begin their journey into a health-related career.

Offered through Riverland Community College, this 3-credit (RCC semester credits) course combines classroom and clinical experiences to prepare

students for the MN Department of Health Nursing Assistant (CNA) written and skills competency exams.

This course provides students with the theory and laboratory experience to meet state and federal criteria for employment as a nursing assistant in a nursing home or other long-term care facility.

Completion of this course enables the student to take the Nurse Aide Competency Evaluation. After successfully completing the competency evaluation, the student will be placed on the Minnesota Nursing Assistant Registry. (This class, in accordance with MN Department of Health requirements, has strict attendance requirements for earning course credit.)

**Students must provide their own transportation to education settings located outside the high school building.**

## EXPLORING CAREERS IN EDUCATION

### Prerequisite:

- Child Development or
- Have a minimum GPA of 3.0 with teacher approval

Length: Class meets one semester (generally, first portion of the class in-person (ALHS) and then the remaining portion takes place within an elementary classroom).

Course: 310CTE601 – 2.0 HS credits,

Minnesota State University (KSP 150) **3 college credits**

Grades: 11-12

Students will explore a variety of careers in education (teaching, counseling, social work, psychology, library media, administration, etc.) through research, reading, and discussion, reflective journaling, and naturalistic observation. Also, students will job shadow a practicing professional in education and engage in academic service learning with school-age youth and adolescents. Reflective journaling paired with readings, discussions, and class seminar format will facilitate growth towards career choice, culminating in a capstone paper in which the 'fit' between the student and a possible career in education or related field(s) is detailed.

This class would take place during two class periods back-to-back.

**Students must provide their own transportation to education settings located outside the high school building.**

## Mentorship Program

### Prerequisite: Application process

Course: 310FACS300 – 1 credit

Grade: 11-12

Mentorship is an accelerated, individualized program for students who want to learn a new skill, develop an interest, or explore a career field under the supervision of a specialist in the community.

Students will be placed with mentors in educational or business career fields. Following a brief training period, students spend the remainder of the semester observing and interacting within that career field. The student must exhibit maturity, responsibility, and the willingness to commit to the expectations of the mentorship program and career field specialist.

### Additional Guidelines:

- 1- Students interested in mentorships should register for the course. Priority will be given to seniors.
- 2- The student obtains application materials from the Mentorship teacher or counselor.
- 3- The Mentorship teacher arranges the placement. The student will contact the mentor after successful completion of orientation.
- 4- No monetary compensation can be provided to the mentor or student.
- 5- Family members of mentorship students are not permitted to serve as a mentor for that student.

**INTRO TO ESPORTS**

Course: 310BUS100 – 1 credit

Grades 9-12

The Intro to Esports course is designed to introduce students to esports. Throughout the course, students will produce digital and technology artifacts to lead to the hosting of an esports event at their high school. In this course, students will gain the following skills:

- Digital Media Design
- Human Nutrition & Health
- Streaming & Shoutcasting
- Video & Audio Production
- Business Development
- Event Management

**INTRODUCTION TO ENGINEERING DESIGN**

**Prerequisite:**

- Intermediate Algebra A & B or
- Advanced Intermediate Algebra A & B or
- Advanced Algebra 8 A & B

Course: 310CTE106, 310CTE107 – 2 credits

Grade: 9-12

The Introduction to Engineering Design course will instruct students in the process of product design. Students will use computer modeling software and 3-D printers to solve design problems as they develop, create, and analyze product models and generate solutions.

Students will also be introduced to Computer-Aided Design Software as a tool for design.

Students who are interested in an engineering career would benefit from this class. This is a two-semester course.

*\*Students who complete this course and meet certain End of Course Assessment criteria and Overall GPA in the course can earn college credit. Please see [PLTW Student Opportunities](#) for a list of all current participating Minnesota colleges and the specific criteria for each school. As a general guideline, an OVERALL GPA in the class of 80% and a scaled score of Accomplished on the End of Course Exam are needed for college credit.*

**PRINCIPLES OF ENGINEERING**

**Prerequisite:**

- Intermediate Algebra A & B or
- Advanced Intermediate Algebra A & B or
- Advanced Algebra 8 A & B
- Introduction to Engineering

Course: 310CTE108, 310CTE109 – 2 credits

Grade: 10-12

Students explore technology systems and manufacturing processes to discover how math, science, and technology help people. This course will develop students' problem-solving skills through real-world engineering problem-based scenarios that will require students to create a variety of projects including robotic units, bridges, electrical circuits, and much more. Students will learn the key elements and skills of engineering and technology-based careers. Students who are interested in an engineering career would benefit from this class. This is a two-semester course. Students must pass 2nd quarter in order to continue to the 2nd semester of this course. Introduction to EngineeringDesign is highly recommended prior to taking this course.

\*Students who complete this course and meet certain End of Course Assessment criteria and Overall GPA in the course can earn college credit. Please see [PLTW Student Opportunities](#) for a list of all current participating Minnesota colleges and the specific criteria for each school. As a general guideline, an OVERALL GPA in the class of 80% and a scaled score of Accomplished on the End of Course Exam are needed for college credit.

**CYBERSECURITY**

Course: 310COM100, 310COM101 - 2 credits

Grade: 10-12

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students use virtual labs to discover key concepts of the field. These labs progress from an individual computer to more and more complex network environments. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.



## ENGLISH 9

Course: 310ENG100, 310ENG101 – 2 credits

Grade: 9

English 9 is required of all 9th grade students. This is a general English course with work done in the areas of vocabulary, grammar, writing, literature, public speaking, and media literacy.

## ENGLISH 10

**Prerequisite:** English 9

Course: 310ENG200, 310ENG201 – 2 credits

Grade: 10

This course meets the Grade 10 English requirement. This course has a general language arts focus and is designed to meet the language arts needs of all sophomores. Students will gain practical experience in reading, writing, speaking, vocabulary, and building good reading comprehension skills.

## ADVANCED ENGLISH 10

**Prerequisite:** Grade of “B” or above in 9th grade English

Course: 310ENG202, 310ENG203 – 2 credits

Grade: 10

This course is intended for the highly motivated student committed to academic excellence, and is best suited for students who have excelled in previous English classes. It provides a faster pace, as well as greater depth of study, with considerable attention given to higher level critical thinking in preparation for upper level courses. **Students interested in taking CIS-level English courses must take this class.**

## ENGLISH 11

**Prerequisite:**

- English 10 or
- Adv. English 10

Course: 310ENG300, 310ENG301 – 2 credits

Grade: 11

This course is designed to meet an English language requirement for Juniors. Students will study American writers and analyze how their work exemplifies each time period of American history. In addition to literature and film, students will also focus on reading skills, vocabulary, practical writing, research, speaking, and collaborative skills.

## AMERICAN STUDIES - ENGLISH

**Prerequisite:**

- English 10 or
- Adv. English 10

Course:

Grade: 11

American Studies is a joined class between English 11 and US History. The class is intended for students along the career path and will focus on improving students' non-fiction skills. Students will work on improving their reading, writing, and researching skills through assignments that will help them analyze history and understand its relevance in today's world. Assignments will be coordinated between their English and US History hours.

**Must be taken with American Studies - US History**

## CIS-AMERICAN HUMANITIES ENGLISH

**Prerequisite:**

- PSEO eligible
- MCA Reading Test
- Advanced English 10

Course: 310ENG602, 310ENG603 – 2 credits

Riverland ENGL 2241, 2242 – 6 college credits

Grades: 11

This is a reading and writing-intensive course for juniors. The course uses a chronological, humanities-based approach to studying American literature, integrating literary study with philosophy and the history of popular music from the pre-colonial era through the late-twentieth century. For example, while studying literature of the 20th century, students will also learn about the development of blues, jazz, folk, country, and rock music. Students enrolled in this course should be highly motivated and prepared for daily reading assignments, weekly writing assignments, and a second semester research paper. Students should also be prepared for mature, college-level content. Students successfully completing first and second semesters will earn college credit for Riverland's American Literature I and American Literature II courses.

## ENGLISH 12

**Prerequisite:**

- American Studies or
- English 11

Course: 310ENG402, 310ENG403 – 2 credits

Grades: 12

This course is designed to meet an English language requirement for seniors. It will give the student a background in world literature by examining basic themes of the human condition. Literature and film from a variety of cultures and time periods are studied and related to our lives today. Students will also research college and career paths while working on local scholarships. Developing critical thinking and practical writing skills are goals of this program.



## EVERYDAY ENGLISH

### Prerequisite:

- American Studies
- English 11

Course ID: 310ENG400, 310ENG401

Grade: 12

This course is designed to meet the needs of students who are planning to enter the workforce immediately after high school. The Everyday English course will provide students further opportunities to develop verbal and written job skills, as well as comprehend and analyze current events. The course content is aligned with the Diversified Work Seminar and Internship. If you are in Youth Apprenticeship, select this class. Students registering for Everyday English are encouraged to consider also registering for Diversified Work Seminar and Internship. Students planning on attending a 4-year college should register for a different English course offered to students in grade 12.

## CIS - WRITING THROUGH LITERATURE

### Prerequisite:

- PSEO Eligible
- CIS-American Humanities or
- Teacher Recommendation

Course: 310ENG606 - 1 credit

Riverland ENGL1102 - 3 college credits

Grade: 12

CIS Writing Through Literature is an introductory college writing course designed to help students develop effective writing skills for college level work. Students learn to generate ideas and organize them into unified, coherent essays. This course will focus on writing about literature. Students will employ the writing process as they study, analyze, and interpret short stories, poetry and fiction.

## CIS-WESTERN HUMANITIES ENGLISH

### Prerequisite:

- PSEO eligible
- CIS American Humanities or
- Teacher Recommendation
- CIS Writing Through Literature recommended

Course: 310ENG600 - 1 credits

Riverland HUMA 1101 – 3 college credits

Grades: 12

This reading intensive course presents curriculum from the point of view of the cultural tradition of Western civilization in the fine arts. Areas of study include literature, philosophy, religion, music, art, and architecture. Humanities is designed for highly motivated students with a GPA of at least 3.0 who are prepared for challenging, daily reading assignments.

## ACTING & THEATER

Course: 310ENG505 -- 1 credit

Grade: 9-12

In this course, students will explore different elements of drama and develop skills as performers. Students will learn about various theater styles, historical contexts, and methods of production and performance. This is a one-semester class that is open to students with an interest in the theater and drama.

## COMMUNICATIONS

Course: 310ENG506 -- 1 credit

Grade: 10-12

This class is designed for students who desire to learn more about public speaking. You'll learn ways to communicate in both interpersonal and professional situations through writing and performing your own speeches and participating in panel discussions. You will learn public speaking skills for instructional speeches, narrative speeches, and research presentations. This is a one-semester class for any students that want a safe space to overcome any anxieties about public speaking.

## CREATIVE WRITING

Course: 310ENG507 – 1 credit

Grade: 10-12

Students in this course will have the opportunity to write creatively in a variety of genres as they explore form and technique used in creative nonfiction, fiction, drama, and poetry. This is a one-semester course open to students with a strong interest in creative writing as a hobby or career.

## POPULAR LITERATURE

Course: 310ENG508 -- 1 credit

Grade: 9-12

This course will introduce the student to popular modern literature of various genres. It will also explore historical elements of popular literature and culture and connect them to an examination of our current popular culture. Students will spend a considerable amount of time reading and have significant choice in what they read.





## ONTOCOLLEGE - ACT PREP

Course: 310ENG511 -- ½ credit (Q3 Class)

Grade: 11-12

This course is designed to prepare students for success on the ACT college entrance exam. Thorough overview of test expectations, a review of section-specific tips and strategies, frequent opportunities to practice, and exclusive access to the OnToCollege resources and website. Students will gain knowledge and confidence before they take this important test.

## FIRST YEAR EXPERIENCE

**Recommended: School Approval**

Course: 310ENG607 -- ½ credit (Q4 Class)

Riverland CCLS1000 - 1 college credit

Grade: 11-12

This course introduces proven strategies and applications to help students achieve greater success in college and in life. Topics include, but are not limited to, time management, goal setting, learning strategies, critical thinking, communication skills, diversity awareness, health and wellness, college and community resources, and financial planning. This course introduces students to making choices that promote responsibility, motivation, interdependence, and self-awareness.



**INTRODUCTION TO JOURNALISM**

Course: 310ENG500 -- 1 credit

Grade: 9-12 (8th grade upon approval)

This course is set up as the prerequisite for students who want to join the Ahlahasa newspaper or Tiger Yearbook staffs. However, if you are simply interested in photojournalism, digital arts, or doing writing that is read by other people, that is enough reason to sign up for this course. If you post on Facebook, if you tweet, if you take and edit photos for Instagram or BeReal, if you post anywhere on social media, then you are doing things meant for public consumption. This course will help strengthen your writing skills. This course will make college—which is intensive—easier.

**GRAPHIC DESIGN**

Course: 310JOU101 – 1 credit

Grade: 9-12

This course covers the basics of design, layout, editing, and the operation of equipment that are prevalent in today's graphic communication industry. Computer programs that are used include Microsoft Publisher, FrontPage, and Adobe Photoshop. The course will wrap up with the students creating the school's iMag digital magazine as a capstone project. **This course is highly recommended for Publications.**

**INTRODUCTION TO BROADCASTING**

Course: 310BUS203 – 1 credit

Grade: 10-12

This course deals with the exciting world of digital video, broadcast television, and podcasting. Students will learn the basic functions of recording and editing. Video editing will be done primarily on the digital and online platform using WeVideo and audio editing with various audio tools. **This course is required for Tiger Vision.**

**Course meets the Fine Arts requirement.**

**TIGER VISION**

**Prerequisite:**

- Video Production with a grade of a "B" or better in both or
- Instructor approval
- Students must pass the 1st semester to continue taking the course 2nd semester.

Course: 310BUS300, 310BUS301 – 2 credits

Grade: 11-12

This is the leadership team for our daily news show, Tiger Vision. Students will extend their video experience beyond Video Production. You will be involved in a variety of activities such as editing, taping, interviewing, writing, and speaking. We will do the advanced planning and editing for Tiger Vision. Students must be proficient with Adobe Premiere and other audio/video editing techniques. Course may be repeated to be on staff during senior year.

**PUBLICATIONS - TIGER YEARBOOK**

**Prerequisite:**

- Introduction to Journalism or
- Approval by Advisor

Course: 310ENG501, 310ENG502 -- 2 credits

Grade: 10-12

This course is a year-long, project based course that culminates in the production of Albert Lea High School's Tiger Yearbook. Students work collaboratively across grade levels to create this year's Tiger Yearbook from start to finish. In this fun but challenging course, students will gain skills in the following areas: page design, publishing techniques, copywriting, editing, photography, time management, communication, teamwork, marketing, and leadership skills. This course requires your time outside of school in attending and recording extra-curricular activities.

**PUBLICATIONS - AHLAHASA NEWSPAPER**

**Prerequisite:**

- Introduction to Journalism or
- Approval by Advisor

Course: 310ENG503, 310ENG504 -- 2 credits

Grade: 10-12

This year-long class offers students an opportunity to learn about the foundations of journalistic practice and to produce Albert Lea High School's newspaper, The Ahlahasa, in a simulated, modern workplace. The Ahlahasa is produced in both print and online formats, with students developing their abilities in writing, reporting, editing and photography. All students are considered Ahlahasa staffers, and some will assume leadership roles. In addition, students will be involved in the business side of the news industry such as advertising, sales, public relations and marketing. Students are also responsible for the creation and uploading of written and visual content to our website and social media.





## FILM STUDIES

Course: 310ENG509 – 1 credit

Grade: 10-12

This course examines the basics of film analysis includes narrative structure, sound, and mise-en-scene. Students will gain insight into the art of filmmaking, developing literacy in directors' use of sights and sounds to entertain and manipulate audiences. This visual literacy will allow students to view film with greater insight, enjoyment, and understanding through the study of cinematic language. **This course meets the Fine Arts requirement.**

## FILM STUDIES II

**Prerequisite:** Film Studies

Course: 310ENG510 -- 1 credit

Grade: 11-12

This course continues the analysis begun in Film Studies. Advanced Film Study will continue the study of film elements. Students will study cinematic language to gain insight into the art of filmmaking including editing, cinematography, and acting. **This course meets the Fine Arts requirement.**





## **BASIC FOODS**

Course: 310FACS100 – 1 credit

Grade: 9-12

This is an introductory course valuable for all students. Major course topics include, recipe reading, understanding kitchen equipment, safety and sanitation procedures, nutrition principles and applications, and influences on nutrition and wellness. Laboratory experiences emphasize industry practices and develop basic skills necessary for post-secondary education or living on your own.

## **ADVANCED FOODS**

**Prerequisite: B- or better in Basic Foods**

Course: 310FACS200 – 1 credit

Grade: 10-12

This course will give students the chance to have an advanced experience within both culinary and pastry & baking. Major topics include recipe development, ingredient functions, food preparation techniques and standards, and safety and sanitation. You will be given the opportunity to become *ServSafe* certified through this course.

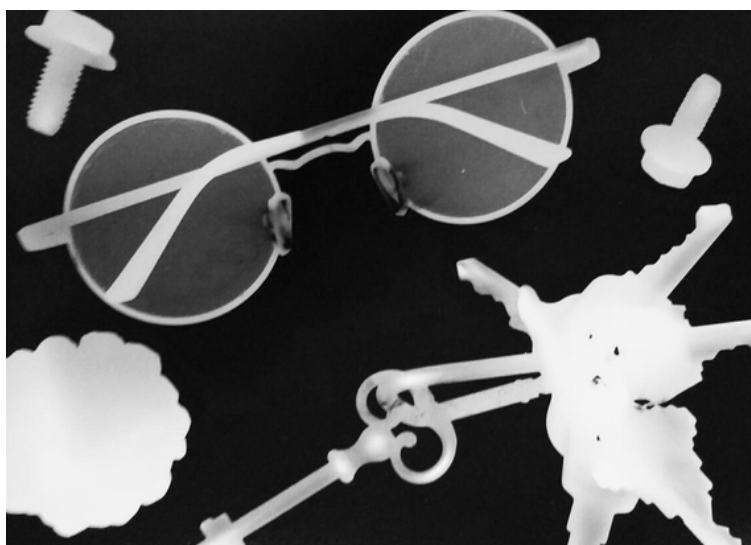


## **CHILD DEVELOPMENT**

Course: 310FACS101 – 1 credit

Grade: 9-12

Child Development will provide students with a comprehensive overview from birth to school age children. Focus for the course will include building strong families, pregnancy and childbirth, the developing brain, discipline, communication and self-esteem through ages and stages. Child development will identify the key concepts of development in all areas including social, emotional, physical, intellectual and moral development.

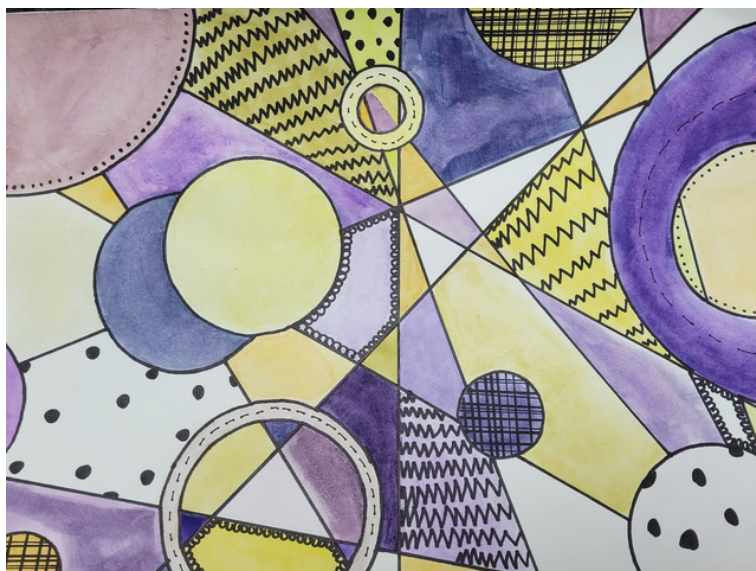


## **FASHION MERCHANDISING & DESIGN**

Course: 310FACS102 – 1 credit

Grade: 9-12

The Clothing course focuses on beginner clothing construction. Students will learn about various construction techniques and work with different fabrics, equipment and skills. Design and fashion will also be topics that are included with this course. Students will need to supply the fabric and notions for their own projects. They will apply their knowledge and understanding in making basic items by hand and with a sewing machine.





## WOODS

Course: 310IND100 – 1 credit

Grade: 9-12

This is a course that introduces students to cabinet-making construction. Students will learn about principles of design, wood properties and characteristics, cabinet joinery, and proper tool and machine use and operation. They will then apply what they have learned through the design, estimation, planning, and construction of a small cabinet. Students interested in pursuing cabinetry and construction careers, or simply developing a lifelong hobby will benefit by taking this course.

## WOODS II

**Prerequisite:** C or better in Basic Woods

Course: 310IND101 – 1 credit

Grade: 10-12

The Advanced Woods Lab class is a continuation of the introductory Basic Woods course. This lab class has two required projects for the students to build. One of the projects is a coffee table and then the student can choose between one of the following projects for their second choice. These projects are an end table, hall mirror, or a bread box. The average cost for a student to build the two projects can range from \$75 to \$150 or higher depending on which type of material of which they choose to build their project. Problem solving, scheduling, meeting deadlines, and self-evaluation are some of the skills that all students must achieve in this course. This course may be repeated.

## MACHINING & MANUFACTURING

Course: 310CTE103 – 1 credit

Grade: 9-12

Machining & Manufacturing is an introductory course into the world of manufacturing. Students will learn about the types of materials from which manufactured products are made and then use equipment found in industry to make them. Use of micrometers and calipers, blueprint reading, and spark tests are some of the lab activities performed by students prior to using metal cutting lathes, mills, shears, band saws, grinders, and drill presses. Students will make a variety of projects that will help them apply what they have learned. This course will benefit any student who likes to build things with their hands as well as those who are interested in careers in manufacturing - engineering, tool and die, design, quality assurance, etc.

## WELDING

**Prerequisite:** Machining & Manufacturing

Course: 310CTE200 – 1 credit

Grade: 10-12

This course is for anyone interested in learning about welding technology and developing basic welding skills. Students will learn how to join steel together using oxy-acetylene torches and arc, wire feed, and tig welders. Oxy-acetylene and plasma cutting skills will also be explored. This course will benefit any student with an interest in welding or has access to welding equipment or is interested in pursuing a career in manufacturing - engineers, tool and die makers, assemblers, etc. Please note that after successfully completing this course, students are encouraged to continue developing their skill and knowledge in welding by taking Advanced Welding & Machining.

## CIS-Welding

**Prerequisite:** C or better in Welding

Course: 310CTE201 – 2 credit (2 hours a day)

Riverland IMMR2765 - 3 college credits

Grade: 10-12

This course emphasizes Gas Metal Arc Welding (GMAW). The course includes the following major groups: power sources, shielding gases, wire feeders, and torches. Each one of these groups is covered in detail. Time is spent in the lab developing skills in using the process and setting up the equipment for the various applications. The focus of this course is on the use of wire feed welding equipment, application, and setup. Safety is a major consideration including welding equipment and the handling of various gases. Welding skills are developed through completion of welding projects. **Course could be taught at Riverland.**

## RESIDENTIAL ELECTRICITY

Course: 310CTE104 – 1 credit

Grade: 9-12

This is an introductory course in residential electrical power. Students will learn about electrical circuit fundamentals, electrical power generation and transmission, building and electrical codes, blueprint reading, estimating, and basic circuit installation. Students will apply the knowledge they have gained by designing, installing, and testing typical residential electrical circuits, creating electrical prints, and estimating typical construction costs. Future homeowners, renters, and students pursuing a construction, engineering, and/or architectural career will benefit from this course.



## **RESIDENTIAL ELECTRICITY II**

**Prerequisite:** C or better in Residential Electricity

Course: 310CTE204 – 1 credit

Grade: 10-12

Advanced Residential Electricity is a continuation of the introductory Residential Electricity course. Students in this course will split their time evenly between learning about more advanced electrical circuits and industrial motors and controls. Service installations, demand factors, advanced circuits, conduit bending and installation, and electrical codes make up one half of the course while motor theory, installation, control, and repair account for the other half. Students entering an electrically related career will benefit by taking this course. This course may not be repeated.

## **SMALL ENGINES**

Course: 310CTE105 – 1 credit

Grade: 9-12

The four-cycle engine will be the center of study for this course. Emphasis will be placed upon basic operating principles, maintaining, diagnosing/troubleshooting, repairing, and the safe use of the engine. Further study will include other types of engines, use of specialized tools, machines, and the safe use of the machines. Also, this course will include sophisticated troubleshooting techniques, testing equipment, and repair methods. Students pursuing automotive or small engine power related careers, as well as future homeowners and automobile owners, will benefit in taking this course.

## **SMALL ENGINES II**

**Prerequisite:** C or better in Small Engines

Course: 310CTE202 – 1 credit

Grade: 10-12

Students will overhaul and service two-cycle and four-cycle engines. Emphasis is placed on component testing, carburetion, ignition, and compression. Students must furnish at least two engines to be overhauled and earn enough points to equal another overhaul. This class is designed for those who have a real interest in engine service and repair. We will emphasize engine testing, diagnosis, and repair. In addition, students will learn about and how to use the testing and major repair equipment. Students will be responsible for locating engine specs, repair procedures, and part identification. This course may be repeated.

## **BUILDING CONSTRUCTION**

**Prerequisite:** C or better in Woods II

Course: 310CTE300 – 2 credits (2 hours a day)

Grade: 11-12

The Building Construction course will instruct students in proper construction techniques, building codes, and the safe use of tools. Each student will build a sawhorse to take home. Students will work as teams to construct a storage building. Students who may be pursuing a career in the construction, carpentry, engineering, and architectural fields may benefit from this course.



NOTE: Students are required to have their own calculator. A standard scientific calculator (such as a TI-30X IIS) is all that is required for classes preceding Algebra II. All students must complete four credits in Algebra and two credits in Geometry to meet the Minnesota graduation standards and graduation requirements of Albert Lea High School.

## INTERMEDIATE ALGEBRA

**Prerequisite:** Basic Algebra 8 or Algebra 8

Course: 310MATH100, 310MATH101 – 2 credits

Grade: 9-12

*Homework Guide: 1-2 hours/week outside of class*

This course studies the nonlinear concepts of Algebra. The units that will be covered include: factoring trinomials; solving quadratic equations; solving exponential and radical functions; and the study of data analysis and probability.

## ADVANCED INTERMEDIATE ALGEBRA

**Prerequisite:**

- Algebra 8 and
- Teacher recommendation

Course: 310MATH102, 310MATH103 – 2 credits

Grade: 9-12

*Homework Guide: 3+ hours/week outside of class*

Advanced Intermediate Algebra is applicable for students who have excelled in math. This is an accelerated, in-depth study of nonlinear concepts of Algebra. The units of study will include: factoring trinomials; combining and simplifying rational expressions; solving quadratic equations; solving exponential and radical functions; rational functions and equations; and the study of data analysis and probability.

## GEOMETRY

**Prerequisite:**

- Intermediate Algebra or
- Advanced Intermediate Algebra

Course: 310MATH200, 310MATH201 – 2 credits

Grade: 10-12

*Homework Guide: 1-2+ hours/week outside of class*

This course introduces basic geometric concepts. Students will study the nature of "proof" with respect to definitions, postulates, and theorems. It is also expected that students will review and extend their knowledge of Algebra. Units of study will include work with properties of segments, rays, lines, angles, triangles, quadrilaterals, symmetric polygons, circles, similarity, congruence, and area and volumes of geometric figures.

## ADVANCED GEOMETRY

**Prerequisite:** Grade "C" or better in Advanced Intermediate Algebra

Course: 310MATH202, 310MATH203 – 2 credits

Grade: 9-10

*Homework Guide: 3+ hours/week outside of class*

Advanced Geometry is applicable for students who have excelled in math. This course is an accelerated, in-depth study of geometry. Students will become acquainted with the nature of a "Proof" with respect to definition, postulates, and theorems. Students will also extend their knowledge of geometry into three-dimensional figures. In the second half of the course, students will cover units on polygons, the right triangle, similarity, and an introduction to trigonometry. Arcs and circles, areas, volumes, and transformations are also studied.

## ALGEBRA II

**Prerequisite:** Geometry

Course: 310MATH300, 310MATH301 – 2 credits

Grade: 10-12

*Homework Guide: 1-2+ hours/week outside of class*

This course will examine real number sets, linear functions, systems of equations and inequalities, quadratics, polynomials, radicals, rational expressions, exponential and logarithmic functions, and their applications to the real world.

## ADVANCED ALGEBRA II

**Prerequisite:** Grade "C" or better in Advanced Geometry

Course: 310MATH302, 310MATH303 – 2 credits

Grades: 10-11

*Homework Guide: 3+ hours/week outside of class*

This course will examine real number sets, linear functions, systems of equations and inequalities, quadratics, polynomials, radicals, rational expressions, exponential and logarithmic functions, conics, regression and their applications to the real world.



## CIS-PRE-CALCULUS

### Prerequisite:

- PSEO eligible
- Advanced Algebra II
- MCA Math Test

Course: 310MATH600, 310MATH601 – 2 credits

Riverland MATH 1110 – 3 credits

Riverland MATH 1120 – 4 credits

Grades: 11-12

*Homework Guide: 3+ hours/week outside of class*

Pre-Calculus is a course that is designed to be a rigorous preparation for students that are required to take a college mathematics course beyond college Algebra or will major in mathematics, or a mathematics related field. The course will begin with the review of the Geometry and Algebra concepts. Units of study will include graphs of linear functions in the Cartesian plane, combinations of functions, inverse functions, and graphs of quadratic functions, operations on quadratic functions, operations on the complex numbers, exponential and logarithmic functions, systems of equations, and systems of inequalities. Pre-Calculus B will have as its main focus an introduction to trigonometry, the graphs of the six trig functions and their inverses, trigonometric identities, trigonometric equations, applications of trigonometry, the unit circle, right triangle trig, vectors, conic sections, parametric equations, polar form, and an introduction into complex analysis. The student will need a graphing calculator (TI-83 or TI-83 plus or TI-84 or TI-84plus). Required for CIS-Calculus.

## CIS-CALCULUS

### Prerequisite:

- PSEO eligible
- Pre-Calculus

Course: 310MATH602, 310MATH603 – 2 credits

Riverland MATH 1210 – 5 credits

Grade: 12

*Homework Guide: 3+ hours/week outside of class*

Advanced Placement Calculus is a course designed for students who have an interest in a career in the fields of Mathematics, Engineering, Business, Economics, and/or the Life Sciences. Successful completion will give the student college credit. Students must have their own graphing calculator. Units of study will include the review of the Cartesian plane, review of functions and trigonometry, the study of limits, rules for differentiation, applications of the derivative, curve sketching, optimization, Fundamental Theorem of Calculus, integration techniques, differential equations, and revolutions of solids.

## MATH FOR COLLEGE

### Prerequisite: Algebra II

Course: 310MATH400 – 1 credit

Grades: 11-12

*Homework Guide: 1-2 hours/week outside of class*

This course is designed for students who anticipate taking a college algebra course at a post-secondary institution. This course will address topics necessary to prepare for a college-level algebra course. Course content will include: Equations and inequalities, graphs and functions, polynomials, rational expressions, radicals, exponents, complex numbers, and quadratic functions, and exponential and logarithmic functions.

## STATISTICS & PLANE TRIGONOMETRY

### Prerequisite: Grade "C" or better in Algebra II

Course: 310MATH401, 310MATH402 – 1 credit

Grades: 11-12

*Homework Guide: 1-2 hours/week outside of class*

This course is an introductory course to both statistics and plane trigonometry for students looking to further their mathematical knowledge in preparation for post-secondary education. A scientific calculator is required. Units of study will include: radian measure, trigonometric functions, graphing trig functions, right triangle trig, basic identities, law of sines and cosines, displaying data, normal distributions, regression, sampling and experimentation, anticipating patterns, statistical inference, and tests of significance as time allows.



# MATH





## 9th GRADE TIGER BAND, TIGER CHOIR, & TIGER ORCHESTRA

### TIGER BAND

**Prerequisite:** Instructor Approval

Course: 310MUS200, 310MUS201 – 2 Credits

Grade: 8-9

Tiger Band is a year-long performing organization open to all 8th and 9th grade students who have played in a band setting prior to this year. A wide variety of quality music will be performed at 3-4 required concerts during the school year and selected pep band events. Instrumental playing techniques, music reading, musicianship, as well as a commitment to the group concept will be emphasized. Individual or small group lessons are required for all members. Solo and small ensemble playing will be emphasized and encouraged.

### TIGER CHOIR

**Prerequisite:** Instructor Approval

Course: 310MUS100, 310MUS101 – 2 Credits

Grade: 9

Tiger Choir is a year-long performing organization open to all students who enjoy singing and wish to develop their voices through ensemble singing. Emphasis will be on developing vocal technique, music reading, and choral singing skills. A wide variety of music will be used, and attendance at fall, winter, and two spring concerts are required. Voice lessons are required for 9th grade choir students at least two quarters of the year and will be scheduled for students during their regular school week.

### TIGER ORCHESTRA

**Prerequisite:** Instructor Approval

Course: 310MUS300, 310MUS301 – 2 Credits

Grade: 8-9

Tiger Orchestra is a year-long performing organization open to 8th and 9th grade students who have played in an orchestra prior to this year and want to continue to develop their playing skills. Emphasis will be placed on continuing to develop good playing techniques, music reading, musicianship, and ensemble skills. A wide variety of music will be used, and attendance at fall, winter, and two spring concerts are required. Individual or small group lessons are also required for all members.

### TIGER BAND & CHOIR

**Prerequisite:** Instructor Approval

Course: 310MUS400 - 310MUS403 – 2 credits

Grade: 9

The Tiger Choir and Band is set up for those students wanting to pursue both choir and band in their 9th grade year. Students will attend Tiger Choir or Tiger Band daily on an alternating/every-other-day schedule.

### TIGER BAND & ORCHESTRA

**Prerequisite:** Instructor Approval

Course: 310MUS600 - 310MUS603 – 2 credits

Grade: 9

The Tiger Band and Tiger Orchestra is set up for those students wanting to pursue both band and orchestra in their 9th grade year. Students will attend Tiger Band or Tiger Orchestra daily on an alternating/every-other-day schedule.

### TIGER CHOIR & ORCHESTRA

**Prerequisite:** Instructor Approval

Course: 310MUS500 - 310MUS503 – 2 credits

Grade: 9

The Tiger Choir and Tiger Orchestra is setup for those students wanting to pursue both choir and orchestra in their 9th grade year. Students will attend choir or orchestra daily on an alternating/every-other-day schedule.

**ALL COURSES LISTED SATISFY THE FINE  
ARTS GRADUATION REQUIREMENTS**

## **BAND**

### **SYMPHONIC BAND**

**Prerequisite:** Instructor's approval

Course: 310MUS202, 310MUS203 – 2 credits

Grade: 10-12

This is a year-long performing organization for 10th, 11th, and 12th graders who have been playing in a band setting prior to this year. It may also include selected 9th grade students based on instrumental needs. A wide variety of quality music will be performed at 3-4 required concerts during the school year and selected pep band events. Instrumental playing techniques, music reading, musicianship, as well as a commitment to the group concept will be emphasized. Individual or small group lessons are required for all members. Solo and small ensemble playing will be emphasized and encouraged.

### **CONCERT BAND**

**Prerequisite:** Instructor's approval

Course: 310MUS204, 310MUS205 – 2 credits

Grade: 10-12

This is a year-long performing organization for 10th, 11th, and 12th graders who have played in the band setting prior to this year and have been approved by the instructor. Demanding music of the highest quality will be performed at 3-4 required concerts during the school year and selected pep band events. This group is the top-performing band at ALHS and will participate in the Big 9 Music Festival in May. Instrumental playing techniques, music reading, musicianship, as well as a commitment to the group concept will be emphasized. Individual or small group lessons are required for all members. Solo and small ensemble playing will be emphasized and encouraged.

## **CHOIR**

### **VARSITY CHOIR**

**Prerequisite:** Instructor's approval

Course: 310MUS102, 310MUS103 – 2 credits

Grade: 10 (Grades 11 & 12 w/instructor approval)

Soprano and Alto

This is a year-long performing organization open to soprano and alto students who enjoy singing and wish to develop their voices through ensemble singing. Emphasis will be on developing vocal technique, music reading, and choral singing skills. A wide variety of music will be used and appearances at fall, winter, and two spring concerts are required. Private voice lessons are encouraged and required for at least 2 quarters of the year for 10th graders and new students to the program. These voice lessons are provided for students and scheduled to occur during the school day.

### **CONCERT CHOIR**

**Prerequisite:** Instructor's approval

Course: 310MUS104, 310MUS105 – 2 credits

Grade: 10-12

This is a year-long performing organization open to students in grades 10-12 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 fall, winter, and two spring concerts are required as well as the Big 9 Festival in May. Private voice lessons are available to all, however, they are required for 10th graders and students new to the program at least 2 quarters of the year. These voice lessons are provided for students and scheduled to occur during the school day.

## **ORCHESTRA**

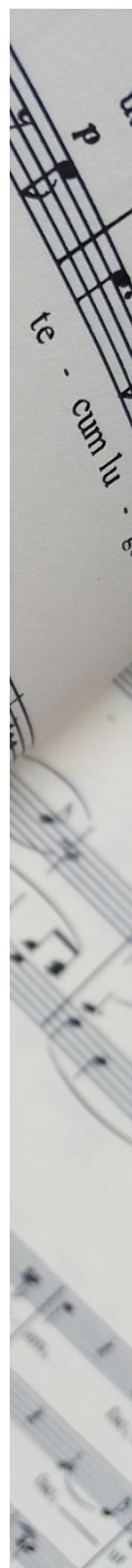
### **SYMPHONY ORCHESTRA**

**Prerequisite:** Instructor's approval

Course: 310MUS302, 310MUS303 – 2 credits

Grade: 10-12

This is a year-long performing organization open to 10th, 11th, & 12th grade students who have been playing in orchestra the previous year, and want to continue to develop their playing skills. Emphasis will be placed on building advanced playing techniques, music reading, musicianship and ensemble skills. Woodwind, brass, and percussion musicians are added throughout the year to perform with the orchestra. A wide variety of string and full-orchestra music will be performed in the fall, winter, and two spring concerts as well as the Big 9 Music Festival in May. Attendance at all concerts, including Big 9, is required. Individual or small group lessons are also required for Orchestra members.



## **PHYSICAL EDUCATION 9**

Course: PE100 – 1 credit

Grade: 9

Physical Education 9 is a co-ed class required of all 9th graders. Emphasis is placed on active participation and becoming physically fit through a variety of aerobic activities. Anaerobic activities are also included to improve coordination, balance, and motor skills. Group activities and sports are played to teach cooperation, leadership, and role playing. Swimming, weight training, and relaxation exercises are also part of the curriculum. Projects include record keeping of fitness testing, fitness plan, strength training, and evaluation. Some activities of this course include: Progressive Aerobic Cardiovascular Endurance Run (PACER), basketball, volleyball, soccer, flag football, floor hockey, and others. The class is designed to introduce students to the importance of physical fitness and lifetime activities which can benefit their health.

## **FIT FOR LIFE**

**Prerequisite:** Physical Education 9

Course: PE201 – 1 credit

Grade: 10-12

This course is designed to investigate and apply basic concepts and principles of lifetime fitness and other health-related factors. Topics will include cardiovascular fitness, muscular strength and endurance, and flexibility. Students will participate in rigorous workouts which will be prescribed by the teacher. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal fitness program based on individual needs, abilities, and interests. Activities will take place in the gym, weight room, wrestling room, pool, outside space, and the computer lab.

## **HEALTH 10**

Course: HLTH200 – 1 credit

Grade: 10

This is a co-ed course and is required of all sophomores. Emphasis is placed on presenting information so those students make healthy decisions, promote healthy diet and physical fitness practices, and reduce/prevent tobacco/drug/alcohol use. Other areas covered include injuries, intentional and unintentional; STD/unintentional pregnancy; Community Services; and long-term health promotion. Students are required to demonstrate the decision-making model in a variety of activities.

## **WEIGHTS & FITNESS**

**Prerequisite:** Physical Education 9

Course: PE202 – 1 credit

Grade: 10-12

Emphasis is teaching proper weight training techniques. Students will be taught the principles and techniques of weight training. Topics will include cardiovascular fitness, muscular strength and endurance, and flexibility. Students will participate in rigorous workouts which will be prescribed by the teacher. Students will utilize fitness self-assessments to enable them to set goals and evaluate their program throughout the semester. Strength training will occur three days per week, and cardiovascular activities will occur two days per week. Grading criteria will include work ethic, quizzes, weight terminology, body composition, and a final project. This class does not meet the Phy Ed 9 Graduation Requirement.

## **WEIGHTS & FITNESS II**

**Prerequisite:** Weights & Fitness

Course: PE203 – 1 credit

Grade: 10-12

Students will become familiar with different methods and techniques of weight training and apply this information to develop their personal weight training program. This advanced course allows students to create an individual strength training and cardiovascular conditioning program. Topics include cardiovascular fitness, muscular strength and endurance, and flexibility. Students will participate in rigorous workouts which will be prescribed by the teacher. Students will be assessed at the beginning of the semester and set personal goals based on the results of the assessments. Grading criteria will include work ethic, quizzes, weight terminology, body composition, and a final project. This course may be taken more than once. This class does not meet the Phy Ed 9 Graduation Requirement.





## EARTH & SPACE SCIENCE

Course: 310SCI100, 310SCI101 – 2 credits

Grade: 9

Earth & Space Science A looks at our planet as a very dynamic world interacting with its dominant species, humans. We examine Earth's internal and external structures and the causes and effects of plate tectonics.

Earth & Space Science B studies the movements of Earth's fluid atmospheres and oceans. This class also examines the lives and deaths of stars, the formation of the planets and solar system, and the motions of objects in outer space.

## BIOLOGY

**Prerequisite:** Earth & Space Science

Course: 310SCI200, 310SCI201 – 2 credits

Grade: 10-12

Biology is the rapidly changing branch of science devoted to the study of life and it has an impact on all individuals. In General Biology, students will explore the major ideas about living systems. Students will be challenged to gain an appreciation of life and their relationship to it. Laboratory studies, demonstrations, and class discussions are used to study the similarities and differences in living systems. Topics include scientific method and techniques, biochemistry, evolution, classification, cell biology, reproduction, genetics, and ecology.

## ADVANCED BIOLOGY

**Prerequisite:** B or above in Earth & Space Science

Course: 310SCI202, 310SCI203 – 2 credits

Grade: 10-12

Advanced Biology is a two-semester course similar to General Biology A & B, however students will have more opportunities for enriched study in the areas of focus. This course is designed for students committed to high academic achievement and will require a greater commitment from students. This level is intended for students who plan to go on to a four-year college, but career choices and/or major fields of study may be undecided at this time. Topics include: scientific method and techniques, biochemistry, evolution, classification, human biology, cell biology, genetics, reproduction, and ecology. A major area of focus is preparing students to take CIS-AP Biology their junior or senior year. **This course is required for students wanting to take CIS Biology or Advanced Chemistry.**

## CHEMISTRY

**Prerequisite:**

- Biology or Advanced Biology
- Intermediate Algebra

Course: 310SCI300, 310SCI301 – 2 credits

Grade: 11-12

This course is designed for students planning on attending 2-year college or technical training. This course emphasizes traditional chemical concepts through application rather than through the development of mathematical theory. Major topics of study include: scientific method, measurement, periodic table, naming compounds, laboratory techniques, chemical reactions, atomic structure, and chemical bonding. **This course satisfies the 11th grade Science graduation requirement.**

## ADVANCED CHEMISTRY

**Prerequisite:**

- Intermediate Algebra OR Adv Intermediate Algebra
- Advanced Biology

Course: 310SCI302, 310SCI303 – 2 credits

Grade: 11-12th

Chemistry is an introduction to the study of the relationships between matter and energy. This course emphasizes chemistry applications through mathematical theory and prepares a student to attend a 4-year university.. Systematic understanding of the physical environment will be attained by studying the following topics: measurement, scientific method as applied in chemistry laboratory research problems, solutions, gasses, atomic structure and theory, periodic table, bonding, chemical reactions, nuclear chemistry, thermodynamics, and stoichiometry. **This course satisfies the 11th grade Science graduation requirement.**

## PHYSICS

**Prerequisite:**

- Advanced Biology
- Advanced Intermediate Algebra or Algebra II

Course: 310SCI304, 310SCI305

Grade: 11-12

The course will provide a systematic understanding of the fundamental laws that govern physical, chemical, and biological processes. Students will conduct experiments and study theories with mechanical forces, straight line and circular motion, modern physics, kinetic and potential energy, work, light, heat, nuclear energy, wave motion, sound, magnetism, electrical theory, and the forces and energies they contain. **This course satisfies the 11th grade Science graduation requirement.**



**CIS BIOLOGY****Prerequisite:**

- PSEO eligible
- MCA Reading Test
- Advanced Chemistry or
- Teacher Recommendation

Course: 310SCI600, 310SCI601 – 2 credits

*Riverland BIOL 1091, 1092 – 8 college credits*

Grade: 12

CIS-Advanced Placement Biology is aimed at students who desire a challenging in-depth study of biology. This two-semester class covers topics at a pace/level that resembles a college introductory biology course. Students should anticipate more time spent outside of class than what may be traditionally required in their previous science courses. Topics covered include: Scientific Method and Inquiry, Chemistry of Life, Cells and Cellular Energy, Cell Cycle and Cancer, Molecular Genetics and Heredity, Biotechnology, Evolution and Biodiversity, Organisms and Populations, and Ecology.

**FORENSIC SCIENCE****Prerequisite:**

- Advanced Biology or
- Science teacher permission

Course: 310SCI500 – 1 credit

Grade: 11-12

This one-semester lab-based course will focus on practicing forensic science and analyzing physical evidence that may be found at crime scenes. Major topics include crime scene analysis and processing, evidence collection and identification techniques, Forensic anthropology, DNA analysis, blood spatter analysis, fiber and hair analysis, and fingerprinting. Instruction will include a mixture of lecture and discussion, and labs. This course is designed for the general student population that has had little or no difficulty in science in previous years.

**ZOOLOGY****Prerequisite:**

- C or better in Biology or Advanced Biology or
- Science Teacher Recommendation

Course: 310SCI501 – 1 credit

Grade: 11-12

Zoology is the study of the Animal Kingdom. This course is recommended for all students who are planning to attend a 2- or 4- year post-high school program. Students will study representative animal classes from different phyla. Major topics considered will be a comparative study of cells, systems, and organisms as they relate to the understanding of structure and function in higher animals, including humans. Coursework includes dissection and microscope-based laboratory studies. Topics covered include animal behavior and relationships, studies of representative animal classes of vertebrates and invertebrates, the closely related Protist Kingdom, animal anatomy, and field-study techniques.

**ANATOMY & PHYSIOLOGY****Prerequisite: Advanced Biology**

Course: 310SCI502 – 1 credit

Grade: 11-12

This course is open to students who plan to attend either a 2-year or 4-year college and have an interest in anatomy and physiology. This is an introductory course for students considering a career in any health-related field (medicine, athletic training, massage therapy, etc.) or for those who would like a better understanding of how the human body works for both the medical and business fields. Students will engage in lab work, numerous hands-on activities, and presentations with emphasis on the development of critical thinking and inquiry skills. This course is designed for the general student population who read near or above grade level and who have had little or no difficulty in science courses in previous years.

## WORLD HISTORY

Course: 310SOC100, 310SOC101 – 2 credits

Grade: 9

This course is designed to increase student interest and knowledge in the ideas, events, and key figures in world history. This is a survey course; we will cover the major political, social, economic, and cultural developments of the peoples of the world. Course topics include: first civilizations, Ancient Greece, Ancient Rome, Medieval Europe, Islamic World, Japan, Mesoamerica, the Columbian Exchange, Renaissance, Reformation, Revolutions, Napoleonic Era, and the Industrial Revolution up to 1900.

## GLOBAL STUDIES

**Prerequisite:** World History

Course: 310SOC200, 310SOC201 - 2 credits

Grade: 10

Global Studies is a year long course that will focus on geography, history, and current events. Students will be exposed to modern history combined with human geography to better understand why current issues have arisen in the world. Students will gain important historical thinking skills that will allow them to analyze and evaluate the world we live in.

## ADVANCED GLOBAL STUDIES

**Prerequisite:** B or above in World History

Course: 310SOC202, 310SOC203 - 2 credits

Grade: 10

Global Studies is a year long course that will focus on geography, history, and current events. Students will be exposed to modern history combined with human geography to better understand why current issues have arisen in the world. Students will gain important historical thinking skills that will allow them to analyze and evaluate the world we live in. Material in this class will examine concepts at a deeper level and will prepare students for more advanced class. **This course is required for students wanting to take CIS-level Social Studies courses.**

## AP HUMAN GEOGRAPHY

**Prerequisite:**

- 10th grade students must have a B+ or above in World History
- 3.3 cumulative GPA or
- Teacher Recommendation

Course: 310SOC600, 310SOC601 – 2 credits

Grades: 10-12

In this class, students learn about human geography with in depth discussions, hands on activities, lecture, critical reading skills, deep analysis of various forms of data, analytical writing and reasoning through a systematic discovery of the patterns and processes that have shaped our human environment. Students will complete the Advanced Placement Human Geography Test during AP Testing week in May. **This course will meet the 10th Grade Global Studies requirement.**

## AMERICAN STUDIES - US HISTORY

**Prerequisite:** Global Studies

Course:

Grade: 11

American Studies is a joined class between English 11 and US History. The class is intended for students along the career path and will focus on improving students' non-fiction skills. Students will work on improving their reading, writing, and researching skills through assignments that will help them analyze history and understand its relevance in today's world. Assignments will be coordinated between their English and US History hours.

**Must be taken with American Studies - English**

## UNITED STATES HISTORY

**Prerequisite:** Global Studies

Course: 310SOC300, 310SOC301 – 2 credits

Grade: 11

This course is designed to survey events in United States history from pre-colonial times to the present. The primary goal is to engage students in a discussion and analysis of the people and events, that have shaped our nation. This course will provide students with an in-depth study of content that will provide knowledge and skills required for success in post-secondary education, the skilled workplace, and civic life.







## **CIS-HUMANITIES SOCIAL**

Prerequisite:

PSEO eligible

MCA Reading Test

Advanced Global Studies or

Teacher Recommendation

Course: 310SOC602, 310SOC603 – 2 credits

Riverland HIST 1001, 1002 – 6 college credits

Grades: 11

Humanities Social is an advanced course in the study of American History, Architecture, Art, and Culture. The course is geared towards the highly motivated student. A Humanities Social student can expect to have heavy homework loads and expect to actively participate in course discussions, note taking, and cooperative groups.

## **AMERICAN GOVERNMENT**

Course: 310SOC400 – 1 credit

Grade: 12

This course meets the 12th grade graduation requirement and will provide students with an understanding of the structure and functions of the American government while also examining the rights and responsibilities of being an American citizen. Students will also examine the purpose, organization, and functions of the legislative, executive, and judicial branches of government. In addition, students will review how we elect our leaders, the privileges and duties of citizenship, and the rights afforded to citizens by the US Constitution. Students will interact with these concepts through daily assignments, projects, and simulations.

## **CIS GOVERNMENT**

Prerequisite:

PSEO eligible

MCA Reading Test

CIS Humanities Social or

Teacher Recommendation

Course: 310SOC604, 310SOC605 – 2 credits

Riverland PSCI 1010, 1020 – 6 college credits

Grades: 11-12

AP Government is a year-long course This course will cover the Constitutional underpinning of democracy in the U.S., political beliefs and behaviors of individuals, political parties, interest groups, campaigns and elections, the mechanisms of government including the bureaucracy, legislative, executive, and judicial branches, civil rights, civil liberties, and other elements of government and its relationship to society. This course will help you distinguish the important issues from the non-important; understand and evaluate competing arguments; formulate and express your own opinion on the political and policymaking process; and help you carry on an intelligent discussion on political events.

## **ECONOMICS**

Course: 310SOC401 – 1 credit

Grade: 12

This required 12th grade course is an introduction into microeconomic and macroeconomic concepts. Students will be exposed to the relevance of economics in decision making by individuals, businesses and governments in today's world. Included among the topics covered in this course are consumer economics, the comparison of different economic systems, the capitalist system, markets, business structures, investing, globalization and trade, and economics of career choices.

## **AP MACROECONOMICS**

Course: 310SOC606 – 1 credit

Grades: 12

Students will gain a thorough understanding of the principles of economics that apply to an economics system as a whole. This course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course will focus on preparing students to take the AP exam successfully and the pace is comparable to a college-level course. Students will complete the Advanced Placement Macroeconomic Test during AP Testing week in May.

## **PSYCHOLOGY**

Course: 310SOC502 – 1 credit

Grades: 11-12

Psychology is a study of human behavior and mental processes. This is a class for students curious about why we act the way we do. Students taking this class will be introduced to the origins of psychological science as well as the methods used to study human behavior. Other areas of study include personality theory and psychological disorders. This class is for the general student population and for learners reading near or above grade level.

## **AP PSYCHOLOGY**

Course: 310SOC607, 310SOC608 – 2 credits

Grades: 11-12

Students will be introduced to the discipline of psychology by emphasizing the history of psychology as a science, the different theoretical approaches that underlie explanations of behavior, and the contemporary research methods used by psychologists. This course will focus on preparing students for the AP exam in May. The pace and rigor is comparable to a college-level course. Topics of study will include: history & approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal behavior & treatment, and social psychology.



## **CRIMINOLOGY**

Course: 310SOC500 – 1 credit

Grades: 11-12

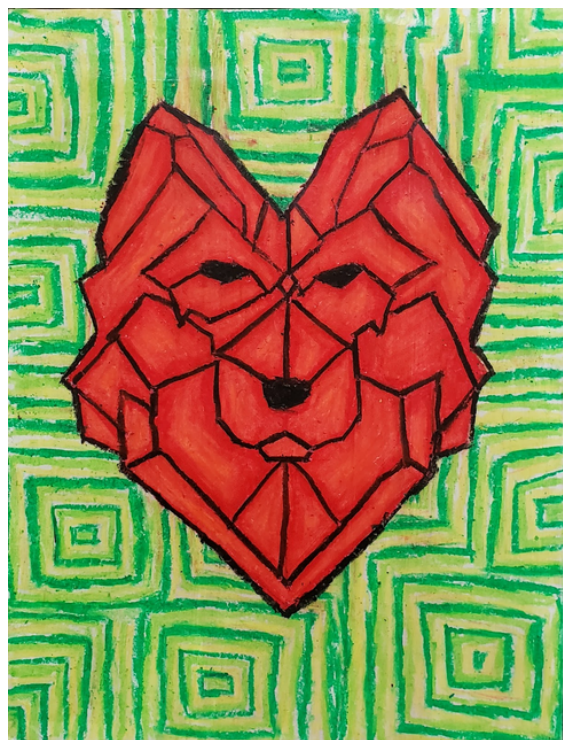
This course is an examination of the major definitions, concepts, and theories sociologists and criminologists use to study adult criminality and juvenile delinquency. Students will learn about different types of crime, and causes of crime, and investigate the criminal justice system's response to criminal behavior in the United States.

## **HISTORY vs HOLLYWOOD**

Course: 310SOC501 – 1 credit

Grades: 10-12

Students will investigate the accuracy of various Hollywood films versus the real-life historical events they are supposed to represent. The class will involve watching certain movies, researching the events/people presented in the films, and producing an analysis/review of the movies. The class requires certain historical thinking and writing skills. Students will be expected to produce written reviews and complete a final project.





## FRENCH 1

Course: 310FRE100, 310FRE101 – 2 credits  
Grade: 9-12

This course introduces students to the French language, cultures, and history of the French-speaking world. Students will communicate in simple conversations, write and read basic materials, and learn the central aspects of French culture and the cultures of regions where French is spoken. Grammar instruction will focus on the basic structures of the French language. Students will develop communication skills by learning vocabulary and phrases related to the theme of each unit. Topics include school, leisure activities, food, personal descriptions, and places to visit, clothing, and everyday life. Some instruction will be in French.

## FRENCH 2

**Prerequisite:** French 1

Course: 310FRE200, 310FRE201 – 2 credits  
Grade: 10-12

The intermediate French course builds on skills from French 1. Students will explore and analyze different cultures from the French-speaking world. Students will gain a deeper understanding of the structure of the French language, and learn how to communicate in a variety of formal and informal situations. Authentic texts and movies will be used to increase skills in vocabulary and communication. Units are designed around cultural and communication themes. Topics include fashion, meals, cinema, and mass media, health and athletics, home, and tourism. Most instruction will be in French.

## FRENCH 3

**Prerequisite:** French 2

Course: 310FRE300, 310FRE301 – 2 credits  
Grade: 11-12

French 3 focuses on building literacy in French, fluency in conversational and formal speaking, and writing on a variety of topics. Students will learn how to use complex structures and language functions in real life situations. They will also read and analyze a variety of literature and other texts. Themes will include day-to-day life, clothing and appearance, pastimes, household chores, vacation, nature, shopping, and travel. Cultural topics relate to the themes and give the perspectives from other parts of the French-speaking world.

## FRENCH 4

**Prerequisite:** French 3

Course: 310FRE400, 310FRE401 – 2 credits  
Grade: 12

This course refines students' mastery of French vocabulary, grammar, and language functions. Students will increase their confidence in expressing themselves in French. Students will read short stories, poems, articles, and a novel. Informal journals, formal compositions, and oral presentations will be major components of the course, as well as in-depth analysis of French history, culture, literature, cinema, and mass media.

## SPANISH 1

Course: 310SPA100, 310SPA101 – 2 credits  
Grade: 9-12

The focus of Spanish 1 is learning to speak the language. You will talk about your daily life: sports, hobbies, likes and dislikes, school, food, clothing, and family. Activities may include: movies, songs, projects, and games. In Spanish 1 you will learn about other cultures and begin to be able to communicate with others in Spanish. Other expectations: participation in conversations and interviews (you will be **required** to speak Spanish) and memorization to expand your vocabulary. Native Spanish speakers are not eligible for this course and Spanish speakers will be placed in Heritage Speakers Spanish Class, moved to a French class, or required to take a placement test.

## SPANISH 2

**Prerequisite:** Spanish 1 or Teacher Recommendation

Course: 310SPA200, 310SPA201 – 2 credits  
Grade: 10-12

This course builds upon the basic material studied in Spanish 1. We will do more speaking and writing in real-life situations that students may encounter while traveling, studying, or working. Activities may include: readings, role playing, writing, oral presentations, projects, games, and videos. Through readings and discussions, we will continue to build awareness of other cultures. Speaking Spanish will be part of your participation grade.

## SPANISH 3

**Prerequisite:** Spanish 2 or Teacher Recommendation

Course: 310SPA300, 310SPA301 – 2 credits  
Grade: 11-12

As you progress through Spanish 3, you will be strengthening your conversational skills by learning how to communicate in typical, daily-life situations here and in other countries: how to get around in a Spanish-speaking country, how to tell people what to do, talk about past activities and future plans, etc. You will also read a novel, short stories, write brief compositions, and create your own stories and skits.

## SPANISH 4

**Prerequisite:** Spanish 3 or Teacher Recommendation

Course: 310SPA400, 310SPA401 – 2 credits  
Grade: 12

Emphasis in this course is on communication and the skills necessary for speaking while traveling or studying in college. We will read short stories, novels, and increase your knowledge of grammar, vocabulary, and culture necessary to communicate in Spanish. You will learn to express your opinions in Spanish through compositions, skits, and role playing. At the completion of the course, students will be given information about CLEP testing. The CLEP test is an optional test which may give students the opportunity to earn college credits in Spanish and/or test out of college Spanish classes.





## SPANISH 5

Prerequisite: Spanish 4 or Teacher Recommendation

Course: 310SPA500, 310SPA501 – 2 credits

Grade: 10-12

This will be an intensive, college prep course in which students will be challenged to delve into the intricacies of the Spanish language. Students will be required to work independently or in small groups in this class. This class often consists only of native speakers who are moved-up a level in their 9th grade year after completing a placement test to confirm level of study. Students may also choose to take the CLEP test. The CLEP test is an optional test which may give students the opportunity to earn college credits in Spanish and/or test out of college Spanish classes.

## SPANISH FOR HERITAGE SPEAKERS

Prerequisite:

- Spanish oral proficiency placement testing
- Teacher recommendation

Course: 310SPA502, 310SPA503 – 2 credits

Grades: 9-12

Students will develop proficiency in reading and writing in Spanish. Students will build vocabulary recognition and usage and develop their spelling, reading comprehension, and grammatical usage skills. They will also be exposed to academic and non-academic reading in Spanish.

Additionally, students will continue learning about and exploring their Hispanic heritage. This course is designated for native/heritage speakers who already have language proficiency. **Spanish for Heritage Speakers II may be offered for selective students.**



## **ENGLISH 8**

Course: 310ENG800, 310ENG801

This is a general course in English that focuses on the following major units: Fiction study, Fictional Writing, Figurative Language, Narratives, Research Project, Technical writing, and Non-Fiction study. Grammar, Independent Reading, and MCA prep will be reviewed throughout the year.

## **GEOGRAPHY 8**

Course: 310SOC800, 310SOC801

Geography is the study of places on Earth and of relationships among various groups of people and their environments. Geography education helps students become better thinkers about the world around them. During the first semester, the 5 themes of geography, map skills, Earth's physical systems, human population, migration, cultures, and environmental issues are studied. The second semester is devoted to the study of specific regions of the world such as: the Middle East, South and East Asia, Latin America, and Africa.

## **SCIENCE 8**

Course: 310SCI800, 310SCI801

Eighth grade science is the study of the physical world. Standards that are addressed are: the nature of science and engineering, the universe, matter, energy, weather, and the Earth's structure and processes. This is a required course for 8th graders and will prepare students for 9th grade science.

## **BASIC ALGEBRA 8**

Course: 310MATH800, 310MATH801

This is a study of Linear Algebra, at a slightly slower pace. Much support will be offered. This will be a prerequisite for Intermediate Algebra. Chapters 1-6 of the Intermediate Algebra curriculum will be covered.

## **ALGEBRA 8**

Course: 310MATH802, 310MATH803

This will be a study of Linear Algebra. This is a course for students with solid math skills. This is a pre-requisite for Advanced Intermediate Algebra or Intermediate Algebra. Chapters 1-6 of the Intermediate Algebra curriculum will be covered, with additional Algebra topics as time allows.

## **ADVANCED ALGEBRA 8**

Course: 310MATH804, 310MATH805

Advanced Algebra 8 is applicable for students who have excelled in math. This is an accelerated, in-depth study of Algebra. The units of study will include: solving complicated algebraic equations; factoring trinomials; combining and simplifying rational expressions; solving quadratic equations; solving exponential and radical functions; rational functions and equations; and the study of data analysis and probability.

## **HEALTH 8**

Course: 310HLTH800

In Health 8, students will learn to make informed decisions regarding personal health choices, decision-making skills, and goal setting as they relate to life-long skills. Students will develop an understanding of the different human body systems: the Nervous System (Brain), the Respiratory System (Lungs), and the Cardiovascular System (Heart & Vessels). Students will also identify the dangers associated with the use and abuse of tobacco, alcohol, and illicit drugs.

## **PHY ED 8**

Course: 310PE800

Students will demonstrate competence in a variety of physical activities, including dance, identifying the major muscle groups and which exercises affect specific muscles, and applying cooperative, competitive, and safe behaviors during physical activities.

## **CELEBR8 CHOIR**

Course: 310MUS800, 310MUS801

A year-long performing organization open to all students who enjoy singing and wish to develop their voices through ensemble singing. Emphasis will be on developing vocal technique, music reading, and choral singing skills. A wide variety of music will be used, and attendance at fall, winter, and two spring concerts is required. Private voice lessons are required for 8th and 9th-grade choir students.

**TIGER BAND**

**Prerequisite:** Instructor Approval

Course: 310MUS200, 310MUS201 – 2 Credits

Grade: 8-9

Tiger Band is a year-long performing organization open to all 8th and 9th grade students who have played in a band setting prior to this year. A wide variety of quality music will be performed at 3-4 required concerts during the school year and selected pep band events. Instrumental playing techniques, music reading, musicianship, as well as a commitment to the group concept will be emphasized. Individual or small group lessons are required for all members. Solo and small ensemble playing will be emphasized and encouraged.

**TIGER ORCHESTRA**

**Prerequisite:** Instructor Approval

Course: 310MUS300, 310MUS301 – 2 Credits

Grade: 8-9

Tiger Orchestra is a year-long performing organization open to 8th and 9th grade students who have played in an orchestra prior to this year and want to continue to develop their playing skills. Emphasis will be placed on continuing to develop good playing techniques, music reading, musicianship, and ensemble skills. A wide variety of music will be used, and attendance at fall, winter, and two spring concerts are required. Individual or small group lessons are also required for all members.

**AGRICULTURE & TRADES EXPLORATION**

Course:

Have you always been interested in fixing things? Do you want to play in the dirt and help things grow? This semester-long exploration course will be divided between a quarter exploring our Industry & Trades labs and a quarter in our Agriculture offerings. Students will get to explore the Woods lab along with the greenhouse. This is the perfect class for hands-on learners.

**WORLD LANGUAGES EXPLORATION**

Course:

Hola! Bonjour! Do you dream of traveling to other countries? If you do, why not start to explore the cultures of the world's various French and Spanish speaking countries. During this semester, you will be exposed to various culinary and cultural aspects of different lands while also starting to learn some basic elements of the French and Spanish language.

**ART EXPLORATION**

Course:

Calling all artists from doodlers to the next Picasso, Art Exploration is the opportunity for you to spend a semester being exposed to the different areas of art that you can explore through our art classes at ALHS. During this class, you will get to produce projects that use different art mediums while focusing on fun subjects like animals. Don't miss this chance to grow the artist inside of you.

**TECH EXPLORATION**

Course:

Get those keyboard fingers and gaming thumbs ready as the Tech Exploration class is here to take show the classes at ALHS that can give you the skills for tomorrow. During this semester, you will be led through various modules that will allow you to discover elements of computer science, robotics, and engineering. Will you be the next tech wizard? Find out!

**FACS EXPLORATION**

Course:

Did you know that three of the most popular classes at ALHS are classes in the FACS department? You didn't? Well, now is the time to take this exploration and find out why! Spend a semester getting a snapshot of popular courses like Foods, Child Development, and Fashion Merchandising. Learn some skills you can use for the rest of your life and experience the fun that makes these the "It" classes at ALHS.

**TIGER PRIDE**

Course: 310SEL800

Created from the bestselling book, Top 20 for Teens, Tiger Pride is a course that everyone should take. The skills covered in Tiger Pride focus on improving your mental game, tackling challenges, learning how to handle drama, and creating health relationships. The class is all about YOU and best off, NO TESTS!!! So, if you want to get your five years off on the right paw, you should consider taking Tiger Pride.







# THANK YOU

A big thank you to the following individuals for their help in creating this guide:

- ALHS Counseling Staff
- ALHS Activities Department
- ALHS Teaching Staff

All artwork and photography in this guide came from the amazingly gifted students of ALHS!!!

# ALHS Staff 2023-2024



## OUR MISSION:

TO ENSURE INDIVIDUAL ACADEMIC, SOCIAL, AND EMOTIONAL GROWTH THAT LEADS TO ENGAGED CITIZENS AND LIFELONG LEARNERS

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507-379-5340

[www.highschool.alschools.org](http://www.highschool.alschools.org)

2000 Tiger Lane  
Albert Lea, MN 56036