

# BARRON HIGH SCHOOL 2024-2025

## Course Descriptions



## AGRICULTURE

Course # 7953      PLANTS, WOODS & WILDLIFE - INTRO TO AGRICULTURE (9)      1 Term      .50 credit

This course is specifically designed for freshmen that want to learn more about the world of agriculture. This class looks at what agriculture is and how it affects you and citizens worldwide. Topics of study will include a survey of agriculture and FFA leadership opportunities. We will learn the basics of botany and plant science- including plant structures and functions, basic soil science, crop production and horticulture; forestry including tree identification and forest management, and basics of conservation and Wisconsin wildlife. Hands-on activities will be emphasized. Students taking this course will be eligible for FFA membership and activities such as Food For America, FIRE Conference at UW-River Falls, Ag Technology Contest at UW-River Falls, Spring Awards Banquet and many others. Students may take this class in addition to Intro to Ag- Animals, Leadership & You or as a stand-alone class.

Course # 7954      ANIMALS, LEADERSHIP & YOU - INTRO TO AGRICULTURE (9)      1 Term      .50 credit

This course is specifically designed for freshmen that want to learn more about the world of agriculture. This class looks at what agriculture is and how it affects you and citizens worldwide. Topics of study will include a survey of agriculture and FFA leadership opportunities, and SAE- Supervised Agricultural Experience programs. Topics of study include an introduction to animal science, including the uses and basic management of large and small animals; meat science; an introduction to leadership development and the FFA organization; and hydroponic plant production in the school greenhouse. Hands-on activities will be emphasized. Students taking this course will be eligible for FFA membership and activities such as Food For America, FIRE Conference at UW-River Falls, Ag Technology Contest, Spring Awards Banquet and many others. Students may take this class in addition to Intro to Ag- Plants, Woods, & Wildlife or as a stand-alone class.

Course# 8101      GENERAL AGRICULTURAL SCIENCE (9,10,11,12)      1 Term      .50 credit

General Agricultural Science is the study of agriculture - how food & fiber are produced and processed and natural resources managed. This lab oriented class includes a basic survey of agricultural topics including the pathways of plant science, animal science, food science, and natural resources through hands-on activities in a small group setting. **STUDENTS WILL BE HAND SELECTED BY INSTRUCTOR AND STUDENT SERVICES.**

Course # 8103      WILDLIFE MANAGEMENT(10,11,12)      1 Term      .50 credit

This course will examine how our wild mammal and fish resources are managed as a DNR or Wildlife Biologist would. Topics include a detailed look at many big and small game and nongame species native to the United States, and endangered species. Units will include ecology and ecosystems; soil science; air and water quality; forestry science; habitat development; the effects of agriculture on our environment and its impact on our wildlife; compass orienteering, topographical and aerial map reading; wildlife identification; and furbearer and waterfowl management. Science is an important part of wildlife management. Research methods used in managing wildlife will be studied. Wisconsin's hunting and fishing industries will be explored. An actual taxidermy project will be completed. Outdoor activities, guest speakers, and field trips are an important part of this course. **Counts as Alt. Science Credit.**

Course # 8123      FORESTRY SCIENCE (10,11,12)      1 Term      .50 elective credit

Forestry Science is a course that's all about trees and how they impact our lives and the wildlife that lives there. Outdoor activities are an important part of this course. Units of study will include tree identification, forestry skills and techniques including tree measurement, nursery management, growing trees from seeds and cuttings, tree planting, forestry management, harvesting trees, and marketing wood products including making maple syrup. Time will be spent outdoors in various woodlots, including our urban forests. DNR foresters and Barron County Woodland Owners will assist as resource personnel.

Course # 8193      SOIL/ENVIRONMENTAL SCIENCE (10,11,12)      1 Term      .50 elective credit

This is a course offered to students in grade 10-12. Areas of study include the importance of soil, the physical and chemical makeup of it, factors in its formation, soil classification, and soils conservation practices. A major portion of the course will be devoted to groundwater and our relationship to our environment.

Course #8163      AG PROCESSING (10,11,12)      1 Term      .50 credit

This course in basic food science is one term in length. It explores jobs and careers that are related to the processing of dairy foods, vegetables, meats, and the fiber industries. Topics include careers, food preservation, nutrition, food chemistry, microbiology, food packaging and labeling, food safety and sanitation, food inspection, grading and processing techniques. Students will be making processed meat products, grading and processing vegetables, and making and processing numerous dairy foods including cheese, yogurt, and ice cream. Field trips to local agricultural processing industries will be an important part of this course. **Counts as Alt. Science Credit.**

## AGRICULTURE (cont.)

Course # 8165      ADVANCED AG PROCESSING (11,12)      1 Term      .50 credit

**Prerequisite: Ag Processing**

This food science course will extend the topics covered in Ag Processing, allowing students to learn additional food processing techniques, especially in the meat and dairy industries. In addition, students in the course will develop an in-depth understanding of food product development, food presentation and food safety issues. Topics will include sensory evaluation, food safety and sanitation, principles of HACCP and good manufacturing practices. Students will develop a new food product based on current industry trends, including packaging, marketing principles. Career exploration in the local food science & processing sector will be included in the course.

Course #8172      HORTICULTURE (10,11,12)      1 Term      .50 credit

This course in Horticulture is designed to give the student in agriculture an opportunity to discover careers in the green fields of horticulture and floriculture. It includes a review of the principles of plant growth. It includes the study of ornamental plants, flowers, and vegetables. It includes units of study in plant anatomy and physiology; conducting plant experiments; plant propagation and reproduction; exposure to various growing media; plant nutrients, and fertilizers; integrated pest management, nursery production; and marketing. It offers the student to be exposed to new plant technologies in tissue culture and hydroponics. FFA; and Student Agricultural Experience programs are also a part of this course. A greenhouse is available for practical laboratory and experimental work. Many hands-on activities are included in this course both in the classroom and outside. **Counts as Alt. Science Credit.**

Course #8173      ANIMAL SCIENCE - LARGE (10,11,12)      1 Term      .50 credit

This course includes a study of the livestock industry and careers available. It includes the study of dairy, beef, swine, sheep, horses, poultry, and exotics. It also includes a newer area – Aquaculture. Fish are raised in the agriculture animal lab. Classes of livestock and poultry will be studied from the standpoint of breeding stock, genetics and biotechnology, conducting/studying animal experiments in nutrition or in their environments, animal nutrition needs, management of stock in various facilities, animal reproduction, and animal health and veterinary care. Market classes and judging of these classes will also be studied. FFA and Supervised Agricultural Experience programs will also be a part of this course. Field trips are an important part of this class. **Counts as Alt. Science Credit.**

Course #8183      ANIMAL SCIENCE – SMALL (10,11,12)      1 Term      .50 credit

Small Animal Science is a course in the management and care of small animals. It specifically includes topics of careers, employment opportunities, animal housing, nutrition, reproduction, growth and development of animals, medical terminology, anatomy, understanding the use of scientific research using small animals, administering veterinary care and handling techniques, product marketing, laws on animal ethics, working with clients, and the home as it relates to small animals. Class activities include: working with animals in the animal lab, field trips to animal shelters, vet offices, and small animal stores; demonstrations on proper animal restraints and training; performing basic animal health needs, and animal grooming are all important parts of this course. **Counts as Alt. Science Credit.**

Course #8143      VETERINARY SCIENCE (11,12)      1 Term      .50 credit

**Prerequisite: Large and Small Animal Science**

This advanced course will cover the basic concepts of animal health and veterinary care. As a part of this course, we will be exploring the veterinary practices used in both small and large animal industries. Topics will include safety & sanitation, terminology, anatomy & physiology, animal behavior, disease and immunity, parasitology and clinical & hospital procedures. Lab activities typically will include animal physicals with live animals, animal restraint, calculating medication dosages, administering injections and conducting routine veterinary laboratory screenings. Field trips will include working with local veterinarians.

Course #8181      LANDSCAPING (10,11,12)      1 Term      .50 credit

This course will encompass the study of landscape planning, landscape design, landscaping materials, plant material, care of landscaping materials, tree and shrub identification, fruit tree maintenance and cultural practices, lawn development, and the study of indoor landscaping. We will also utilize computer design programs. There is a major project to complete at the end of the term.

Course #8113      TECHNOLOGY APPLICATIONS IN AGRICULTURE (10, 11, 12)      1 Terms      .50 credit

**Prerequisite: Successful completion of One previous Ag course**

This survey course provides an opportunity for students interested in the Power, Structure and Mechanical pathway of the Agriculture, Food and Natural Resources career cluster. This class will focus on current and emerging technologies and their applications in the agriculture industry. This class does **not include** a shop component, but guest speakers and field trips will be an important part of the class.

## AGRICULTURE (cont.)

Course# 8153      EMPLOYABILITY SKILLS - CAREERS & TECHNOLOGY (10, 11,12)      1 Term      .50 credit  
In this course you will engage in career planning and goal setting for your future while utilizing basic computer technologies (MS Office, Google Suite). You will create an individualized learning plan (career pathway/map) to help you schedule the appropriate courses in high school that can help you achieve your career goals and research post-secondary options in chosen career areas. The Career Cruising software/website will be used to complete self-assessments and research career options. You will complete a job shadow to see firsthand what skills are needed in the workplace, create job campaign materials (job application, resume, cover letter, follow up letter, reference list), participate in mock job interviews with local employers, learn basic etiquette for on the job and everyday situations, on compile a portfolio of artifacts to use when interviewing for scholarships, jobs, or post-secondary programs.

Course #8151      AGRICULTURAL BUSINESS FOUNDATIONS (11, 12)      1 Terms      .50 credit

**Prerequisite: Two previous Ag courses**

This course is designed for students interested in the business side of agriculture. Agricultural Business Foundations (ABF) introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture. Throughout the course, practical and engaging activities, projects, and problems are used to develop and improve business and employability skills. Additionally, students investigate and create viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community. Specific topics will include Ag marketing, business organization structures, purchasing a farm and/or business, financial records and record keeping, credit sources and management considerations. This course would be a great companion class to Employment Skills & Youth Apprenticeship.

## ART CLASSES

Course #2093      BASIC ART      (9,10,11,12)      1 Term      .50 credit  
Basic art is an introductory art class that teaches students about the basic elements of art. Students will complete projects concentrating on the use of color, line, shape, value, and texture in art. Projects are both two-dimensional and three-dimensional. Students do NOT need to be able to draw to succeed in this class! This class gives an overview of all of the subsequent art classes and can be used as a prerequisite for all later courses.

Course #2101      EXPLORING CULTURAL ARTS (9,10,11,12)      1 Term      .50 credit  
This class is designed to focus on Art of the common man throughout history and across many cultures. Students will have a variety of art experiences and will receive a historical and cultural background behind each art form. Projects will vary but may include Basket weaving, mask making, radial designs, dreamcatchers and sculptures.

Course # 2111      POTTERY (10,11,12)      1 Term      .50 credit

**Prerequisite: Basic Art or Exploring Cultural Arts**

Pottery class provides students with experiences in creating handbuilt ceramics, designing sculptures and the opportunity to throw clay on the potter's wheel. A variety of glazing techniques will be explored. Students will gain an understanding of the firing processes of clay.

Course# 2143      ADVANCED POTTERY (10,11,12)      1 Term      .50 credit

**Prerequisite: Pottery**

This class will focus on advanced techniques of throwing on the potter's wheel such as larger vessels and lidded forms. Students should be proficient throwers to participate in the course. A wide range of advanced hand-built, sculptural and glazing techniques will be explored. **Teacher approval needed to participate in course.**

Course # 2112      METALS/STAINED GLASS (10,11,12)      1 Term      .50 credit

**Prerequisite: Basic Art or Exploring Cultural Arts**

Students learn about fabricating and casting in a variety of metals such as pewter, copper and brass. Stained glass will be used in a variety of projects such as mosaics, copper foiling/soldering and fusing.

Course #2121/2122      DRAWING AND PAINTING (10,11,12)      2 Terms      1.00 credit

**Prerequisite: Basic Art or Exploring Cultural Arts**

Students can learn how to draw in this class - they do not need to draw well before taking the class! Students will spend time learning about many different artists' styles. They will work with a variety of materials such as acrylic, watercolor, colored pencils, pastels and pencils. This class is designed to teach students to draw and make them familiar with many artists' styles and periods of art.

## ART CLASSES(cont.)

Course #2131/2132      ADVANCED STUDIO ART (11, 12)      2 Terms      1.00 credit  
This class is for students who have completed at least two of the previous art classes. Students will explore areas of art that they have an interest in along with learning particular assigned lessons. Students can work on drawings, jewelry, metals, fibers, pottery, sculpture, etc.

Course # 2133/2134      ADVANCED STUDIO ART II (11, 12)      2 Terms      1.00 credit  
This is a more advanced course than Advanced Studio Art I. This class is for students who have completed at least two of the previous art classes. Students will explore areas of art that they have an interest in along with learning particular assigned lessons. Assigned lessons will be different from the other advanced class.

## BUSINESS & COMPUTERS

Course #8723      BUSINESS DESKTOP PUBLISHING (9,10,11,12)      1 Term      .50 credit  
Create professional looking promotional materials using Microsoft Publisher, Word, and Photoshop Elements. You'll learn basic design concepts as well as incorporate graphics and photos into your documents. Desktop publishing in business simulations allow students to perfect their skills. Students build technology skills with digital cameras and image scanners.

Course #8782      WEB DESIGN (9,10,11,12)      1 Term      .50 credit  
Do you want to learn how to create your own professional looking website? In this cutting edge course, you will use a variety of web building tools to design, create, publish and manage a web site. Then learn to prepare eye-catching graphics and animation for your site using PhotoShop Elements.

Course #8831      MANAGING YOUR OWN BUSINESS (9,10,11, 12)      1 Term      .50 credit  
This introduction to business course is designed to help students prepare for a challenging future. The topics discussed are chosen from the national standards for business education. This includes units on private enterprise, business organization, government and its effects on business, and financing of business and entrepreneurship. This course will provide a good introduction to other upper level courses in business and economics. No prerequisites required for this course.

Course #8753      ENTREPRENEUR (9,10,11,12)      1 Term      .50 credit  
Learn the basics of marketing to give you an edge in virtually any business career. We'll focus on the process of planning, pricing, promoting, selling and distributing of ideas, goods or services to others. Get into the mind of an entrepreneur! Business simulations are used to help students understand business concepts.

Course # 0053      GAME IT (10,11,12)      1 Term      .50 credit  
This is an elective technology course that engages students with project-based learning through the process of making computer games. The students will learn the math and physics concepts used in game development, how the engineering cycle is used to design games, the components of a good game, color theory used in game design, and how to create sprites and animations. No previous technology or programming experience is required.

Course # 8761      ACCOUNTING FOR EVERYONE (10,11,12)      1 Term      .50 credit  
Accounting is THE language of business. If you are considering a career in any business field, are interested in starting your own business or want to explore for personal use, this class is a must. Computerized accounting basic will be explored using PeachTree and QuickBooks.

Course #8771      ACCOUNTING II (11,12)      1 Term      .50 credit  
**Prerequisite: Accounting for Everyone**  
This offering is designed to help the student acquire a more thorough knowledge of accounting procedures and techniques making financial decisions. It further acquaints the student with the use of computerized accounting as well as develops skills in analyzing and interpreting information.

Course #8383      PERSONAL FINANCE (11)      1 Term      .50 credit  
**Required course for all Juniors.** Personal Finance is designed to give students an understanding of important financial issues that affect an individual's daily life and future. We will investigate consumer rights and responsibilities, fraud and rip-offs, how to make the best use of your money, buying a car, renting, establishing credit, getting and keeping a job and planning for retirement.

## ENGLISH CLASSES

Course #1401/1402                  ENGLISH 9    2 Terms                          1.00 credit  
 English 9 is a required course for all Freshman. In this course, we will study grammar, literature and forms of written and oral communication.

Course #1405/1406                  HONORS ENGLISH 9    2 Terms                          1.00 credit

**Prerequisite: An “A” grade in prior year’s language arts course; STAR reading scores at or above grade-level; benchmarks; Proficient or advanced on available state-wide data; Writing sample (assessed by Language Arts instructors); Language Arts teacher recommendations also considered**

Take this course if you are motivated to improve your language arts skills and have a genuine interest in literature, writing, and literary analysis. Expand your opportunity to read and write extensively. This course will cover the same standards as English 9 but with more difficult readings and assignments and a faster pace.

Course #1411/1412                  ENGLISH 10    2 Terms                          1.00 credit

English 10 is a required course for all Sophomores. This class offers a blend of classic and contemporary works from numerous authors. All texts require students to think deeply about both fiction and non-fiction. The class focuses on the writing process, communication, vocabulary building, test taking strategies, and grammar skills.

Course #1415/1416                  HONORS ENGLISH 10    2 Terms                          1.00 credit

**Prerequisite: An “A” grade in prior year’s language arts course; STAR reading scores at or above grade-level; benchmarks; Proficient or advanced on available state-wide data; Writing sample (assessed by Language Arts instructors); Language Arts teacher recommendations also considered**

Motivated English students will actively participate in learning and stretch beyond the course requirements of English 10. Consult your English teacher if you question whether this course is right for you. This course will cover the same standards as English 10 but with more difficult readings and assignments and a faster pace.

Course #1421/1422                  ENGLISH 11    2 Terms                          1.00 credit

English 11 is a required course for all Juniors. This course offers students mastery in the standards of reading, writing, speaking, listening, and language. This course enables students to comprehend and evaluate complex texts across a range of types of disciplines; construct effective arguments and convey information; build on others' ideas as well as articulate ideas of their own; demonstrate a command of English and acquire and use a wide vocabulary. This curriculum is aligned with the Common Core State Standards. Students in English 11 will continue to develop communication skills to think, read, and write more critically and effectively. These skills are skills required of them in other subject matter areas of high school, in the college world, and everyday life beyond high school.

Course #1441/1442                  ENGLISH 12    2 Terms                          1.00 credit

The A course for seniors will focus on all areas of English, including reading, literary terms, character analysis, and writing. Themed units include "Epic Heroes" and "The Human Condition." Works studied will include Beowulf, short stories, nonfiction, essays, poetry, and Shakespeare's Hamlet. The B course for seniors will focus on all areas of English, including reading, literary terms, character analysis, and writing. Themed units include "An Exchange of Ideas" and "Emotional Currents." Texts studied will include short stories, nonfiction, essays, poetry, and Khaled Hosseini's novel The Kite Runner.

Course #1431/1432                  ADVANCED PLACEMENT ENGLISH (11,12)    2 Terms                          1.00 credit  
 #1491/1492

This advanced course develops college-level skills for critical thinking, reading and writing about literature. Several works and types of literature – both classic and modern - are studied. Construction of a variety of essays is emphasized also. Requirements for admission include a letter grade of “A” in the previous year of English, STAR reading scores at or above benchmark & approval of the English department. AP English will rotate curriculum between Literature/Composition and Language/Composition. For the 2023/24 school year, the Language/Composition curriculum will be taught. The following school year, Literature/Composition will be taught. Each curriculum will have its own advanced placement test. Students scoring a “3” or higher on the AP exam are eligible to receive college credit at most universities. In some cases students who pass with a top score of “5” fulfill their college English requirement.

## FAMILY AND CONSUMER SCIENCES

Course #8253                      FOODS FOR TEENS (9,10,11,12)                      1 Term                      .50 credit

Foods for Teens is an introductory course designed for students who have an interest in developing the skills necessary for good food preparation and who wish to improve personal cooking skills. Nutrition is the focal point of this course while demonstrating hands-on experiences. Topics that will be addressed include the purpose of recipes, measuring accurately, following correct safety and sanitation procedures, food preparation skills and the roles of employees in food service today. Some of the topics that will be addressed include: nutrition, myplate, grains/breads, fruits and vegetables, dairy, etc. Cooking with your classmates will be an important part of your learning experience.

Course # 8323                      FOODS WITH FLAIR (10,11,12)                      1 Term                      .50 credit

Foods with Flair is designed for students who have an interest in cooking beyond the basics in the kitchen. Some of the topics that will be addressed include: Foreign foods, regional foods, seasonal influences, garnishing, herbs and seasoning, convenience foods, pasta, pastry, meals on a budget, and careers in food service. This course requires a lot of teamwork and cooperation with your classmates and is an important part of your learning experience.

Course # 8263                      FASHION & DESIGN (9,10,11,12)                      1 Term                      .50 credit

Students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Art, mathematics, and science are reinforced. Projects vary based on individual skills, seasonally, and needs of the community (service project). Students apply essential standards and workplace readiness skills through authentic experiences.

Course # 8283                      INTERIOR DESIGN (10,11,12)                      1 Term                      .50 credit

Students will be creative while exploring the elements and principles of interior design. Design unique, comfortable, and functional interior spaces. Experiment with a variety of home furnishing resources and design samples, including web based programs to create room designs and floor plans. Examine housing options through the family life cycle. Investigate career opportunities in the housing and interiors industry. Students will conduct research and participate in field trips to area businesses to learn about current trends in home design, color schemes, and eco-friendly materials. Students will apply knowledge and skills to a final design project

Course # 8293                      ADVANCED FOODS (10,11,12)                      1 Term                      .50 credit

**Prerequisite: Foods for Teens and Foods with Flair**

Advanced Foods is a food service program which students recognize most often leads to jobs or helps you with current jobs. In large cities or small towns, food service jobs are available in restaurants, fast food outlets, institutions and many other food service establishments. Food service is a program that promotes a variety of skills. Successful foodservice students will be able to: Work with others, apply ProStart Curriculum and Standards, apply concepts of nutrition, cost control and standardization, use mathematical skills as applied to food service, implement standards of safety and sanitation in preparation of food, use scientific principles of food preparation and their application to cooking problems, demonstrate specific technical cooking skills, plan meals, and apply techniques and processes as needed.

Course # 8243                      FOOD SCIENCE (10, 11, 12)                      1 Term                      .50 credit


Food Science is a growing field of study that integrates information from a broad spectrum of curricula. In this course, we will examine science concepts related specifically to food. As you learn food science basics, you will also gain knowledge and skills in food preparation, food selection, nutrition analysis, problem solving, and critical thinking. The study of food can benefit you as you make daily food choices, both now and in the future, and understand the health impacts of those choices. In addition, you will gain knowledge needed to evaluate future technological advances as they are applied to food as well as provide an opportunity to explore a range of career opportunities related to food science. **Counts as Alt. Science Credit.**

Course # 8352                      PARENTS & CHILDREN - (11, 12)                      1 Term                      .50 credit

Parent & Child emphasizes the responsibilities of the family to provide for individual development and socialization of the children from birth to preschool. Topics include: pregnancy and birth, development, birth defects, child abuse, discipline, nutrition, child care, and activities based on developmentally appropriate practices. Students will research parenting challenges that can occur with children and educate others through technology based projects. Students will be able to describe and present the impact of good prenatal care on the growth and development of the fetus/infant. Students will design activities that are developmentally appropriate for all ages (0-8) and stages (emotional, intellectual, physical, and social) of development. Students will demonstrate the responsibility of parenting in a simulated experience using a "Baby Think It Over".

## FAMILY AND CONSUMER SCIENCES (cont)


Course # 8363                      FAMILY WELLNESS (11,12)                      1 Term                      .50 credits  
Family Wellness focuses on the role of the family in helping individuals reach the highest potential by addressing concerns of the community and global society. Emphasis is given to the dynamics of family life, developing and strengthening relationships, responsible parenting, communication within families, crisis management, civic responsibility, healthy living, housing decisions, career planning and trends affecting families. We will explore the foundation of the family and focus on skills that contribute to a successful family life.

Course #8353                      ECE: FOUNDATIONS OF EARLY CHILDHOOD EDUCATION - TC (11, 12)                       1 Term                      .50 credit  
This 3 credit course introduces you to the early childhood profession. Course competencies include: integrate strategies that support diversity and anti-bias perspectives, investigate the history of early childhood education, examine requirements for early childhood education programs, identify components of a quality early childhood education program. This course involves A LOT of hands-on-activities with our elementary students and teachers. If you plan to work with children personally or professionally, this class is for you! Transcribed Credit with Northwood Tech - Rice Lake

## HEALTH

Course #5603                      HEALTH (10)                      1 Term                      .50 credit  
REQUIRED OF ALL STUDENTS - RECOMMENDED AT SOPHOMORE LEVEL  
This course will incorporate instruction in personal, family, community and environmental health. Health encourages overall wellness with physical, mental-emotional, and social components. The course is designed to empower students with decision-making skills to enhance a healthy lifestyle.

Course: #5613                      HEALTHY FUTURES (11, 12)                      1 Term                      .50 Elective credit  
This course will be centered around health careers, CPR/First Aid, and peer education/mentoring. The students would research, explore, and visit health careers of their interest to promote medical careers that our society so desperately need. Every student in this course will be trained in CPR and First Aid and have the opportunity to get official certification. Students will be trained in multiple areas of health to be peer educators/mentors. After learning the health information, they would facilitate the information and skill building to younger students in elementary, middle, or high school settings.

Course:#5623                      MEDICAL TERMINOLOGY - TC (12)                       1 Term                      .50 Elective credit  
The course focuses on the component parts of medical terms; prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. This is a transcribed credit with Northwood Tech. Students must meet college course criteria.

## MATHEMATICS

Course #4141/4142                      INTRODUCTION TO ALGEBRA (9,10)                      2 Terms                      1.00 credit  
**Prerequisites: Students placement based on test scores and teacher recommendation.**  
This is an introductory Algebra 1 course for students who are not yet prepared to complete a course in Algebra 1. Topics include a review of decimals and fractions, ratios and proportions, graphing on the coordinate plane, solving algebraic equations and inequalities involving one or more steps, solving absolute value equations and inequalities, probability and statistics, and graphing linear equations and systems of linear equations. Emphasis in algebra is placed on manipulating polynomials and solving equations. One learns to add, subtract, multiply, divide, and factor polynomials. One learns to solve first degree or linear equations in one or two variables and how to solve second degree equations. Algebra is the foundation of abstract mathematics and is necessary for anyone planning to continue the study of mathematics. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **A scientific calculator is required for this course.**

### MATHEMATICS (cont.)

Course #4101/4102                      ALGEBRA I (9,10,11,12)                      2 Terms                      1.00 credit  
Emphasis in Algebra is placed on solving and graphing linear equations/inequalities/functions, manipulating polynomials and solving equations. One learns to add, subtract, multiply, divide, and factor polynomials. One learns to solve first degree or linear equations in one or two variables and how to solve second degree equations. Algebra is the foundation of abstract mathematics and is necessary for anyone planning to continue study of mathematics. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **A scientific calculator is required for this**



**course. It is recommended student not take this course for credit if they have previously received a passing grade in Algebra II or higher math class.**

Course # 4371/4372                      INTRODUCTION TO GEOMETRY (9,10,11,12)                      2 Terms                      1.00 credit

**Prerequisite: Algebra I**

This course will consist of basic geometry concepts. Concepts covered will include the following: basic geometry concepts, reasoning and proof, parallel lines and triangles, congruent triangles, polygons and quadrilaterals, similar triangles, coordinate geometry, areas and volumes, circles, and problem-solving skills. (This course is NOT a college prep course). Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **A scientific calculator is required for this course.**

Course #4501/4502                      GEOMETRY (9,10,11,12)                      2 Terms                      1.00 credit

**Prerequisite: Algebra I**

The properties of plane figures and solids are studied in this course. Logical thinking and the methods of mathematics are a very important part of this course. It is recommended that anyone with a grade lower than a "C" in Algebra 1 NOT take this class. Geometry is recommended for anyone planning on going to college. Students may take Algebra 2 and Geometry concurrently only if they have a "B" average in Algebra I and a teacher recommendation. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **A scientific calculator is required for this course.**

Course #4111/4112                      ALGEBRA II (10,11,12)                      2 Terms                      1.00 credit

**Prerequisite: Algebra I and Geometry with "C" average**

This course is a study of functions. A discussion of real numbers and their properties and fundamental operations with polynomials is followed by a study of linear functions, exponential, logarithmic and trigonometric functions. In order to tie together the study of functions, the graphic aspect is emphasized. Calculators are used extensively in the solution of problems. Students may take Algebra II and Geometry concurrently only if they have a "B" average in Algebra I and a teacher recommendation. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **A scientific calculator is required for this course and a graphing calculator is highly recommended.**

Course # 4151                      APPLIED MATH (12)                      1 Terms                      .50 credit

**Prerequisites: Completion of Algebra I and either Intro to Geometry or Geometry**

This course begins with a short review of basic arithmetic skills and continues with the application of these skills. Problem solving involving fractional and decimal dimensions is emphasized. The course also includes introductory algebra with an emphasis on utilization of formulas including work with signed numbers. First-degree equation solution is also emphasized. Topics covered during the 2nd term include the basic geometry of plane and solid figures, right-triangle trigonometry, oblique-triangle trigonometry, and applications of these topics.

Course #4511/4512                      ADVANCED MATH (11,12)                      2 Terms                      1.00 credit

**Prerequisite: Algebra I, Algebra II, and Geometry**

This course includes a treatment of the standard elements of trigonometry, analytical geometry and college algebra. It is a college preparatory course. After successful completion, the student should be prepared for calculus. Students taking this course should complete previously Algebra II and Geometry with a "C" average. This is a full year course. Upon successful completion of this course the student has earned one credit. Calculators are used extensively in the solution of problem. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course.

**\*\*Students are required to purchase a graphic calculator for this course.**

## **MATHEMATICS (cont.)**

Course #4401/4402                      PROBABILITY AND STATISTICS (11, 12)                      2 Terms                      1.00 credit

**Prerequisite: Algebra I, Algebra II, and Geometry**

This course will develop skills in applying statistical techniques in the decision-making process. The topics included in this course are: methods of data collection; organization of data; graphical techniques to show data together with measures of central tendency and variation; basic laws of probability; sampling theory; hypothesis testing; and making inferences from samples. Practical examples based on real experimental data will be used throughout the course. Students will also plan and conduct experiments and/or surveys, and analyze the results of their data collection. Problem solving and implementing

the 8 mathematical practice standards are emphasized throughout the course. **This is a college bound course. Students considering college majors in nursing, business, psychology, sociology, science-related fields, or mathematics are encouraged to take this course. A graphic calculator is required for this course.**

Course #4551/4552      CALCULUS (11,12)      2 Terms      1.00 credit

**Prerequisite: Algebra I, Algebra II , Geometry and Advanced Math**

This is a course open to juniors and seniors who have successfully completed advanced math. This course deals with such topics as slopes, derivatives, velocity, rates, basic limit theory, integration and their applications. Also included will be trigonometric, logarithmic and exponential functions as well as topics from analytical geometry. It is strongly recommended for seniors who have completed advanced math and any student planning on pursuing a math related career. Problem solving and implementing the 8 mathematical practice standards are emphasized throughout the course. **Students are required to purchase a graphic calculator for this course.**

## MUSIC

Course #2231/2232/2233      BAND (Instrumental Music) (9, 10,11,12)      3 Terms      .75/1.5 credit  
#2211/2212/2213      SPLIT HOUR BAND/CHOIR

**Prerequisite: Middle School Band/Instructor Permission**

The instrumental program is a continuous program commencing with 6th grade and continuing through 12th grade. Students who wish to play in a band organization will have an opportunity to study standard works and transcriptions for the band as well as the great wealth of recent contemporary literature composed for the band medium. Within the framework of the band will be concert band for all students, the marching band, pep band, jazz band and competitions in solo/ensemble and large group. Band trips and parades are also part of the band year. Students also have the opportunity to take individual lessons which allows them to work on playing their instruments in more detail and depth. These lessons are required.

Course #2261/2262/2263      CHAMBER CHOIR (9, 10,11,12)      3 Terms      .75/1.5 credit  
#2271/2272/2273      SPLIT HOUR CHOIR/BAND

Chamber Choir is a performing group open to students in grades 9 -12 and involves the singing of choral music from pre-classical period to the music that is produced today. There is no prerequisite and you are encouraged to join choir even if you've never been in choir before. Instruction in music theory, solfeggio reading (sight-singing), composing, and basic vocal anatomy are covered in class. Chamber Choir is a performing organization and all students are required to remain in the choir for the entire year, however exceptions can be made with teacher approval. Grading requirements include performing in all concerts and taking group voice lessons. There are also additional performance and travel opportunities offered throughout the year.

Course #2223      MUSIC THEORY (11,12)      1 Term      .50 credit

This course explores the analytical side of music. It consists of two parts—written and aural. The written part starts with the basics such as intervals, chords, scales, and rhythmic values. These elements are then used to analyze classical Western music and write music within that style. The aural part consists of ear training exercises designed to improve the recognition and singing scales, intervals, chords and rhythms. This will also include dictation. This class is highly recommended for students considering going into any music-related career. Must have instructor approval to take this course.

## PHYSICAL EDUCATION

Course #5123      PHYSICAL EDUCATION (9)      1 Term      .50 credit

**THIS COURSE IS REQUIRED OF ALL FRESHMEN**

This course is designed to familiarize freshmen with a wide variety of physical activities. All activities will involve fall, winter, and spring sports, along with games from the past.

## PHYSICAL EDUCATION(cont.)

COURSE #5213 -B/#5193-G      TEAM SPORTS (10,11,12)      1 Term      .50 credit

The objective of this course is to provide an opportunity for interested students to increase fitness and skill levels through participation in a variety of team sports. Physical activities may include: flag football, soccer, volleyball, softball, lacrosse, walleyball, basketball, and floor hockey. Sports from all seasons will be the focus with some of the favorite games from the past.

Course # 5393                      WEIGHTLIFTING/FITNESS (9,10,11,12)                      1 Term                      .50 credit  
This beginning weightlifting course is offered to assist students interested in developing their strength and cardiovascular fitness through weight lifting and aerobic conditioning.

Course # 5383                      B. F. S. (Bigger, Faster, Stronger) (9,10,11,12)                      1 Term                      .50 credit  
This more advanced class is designed for highly motivated athletes/student who are interested in improving their strength and fitness. This course will run as follows M/W/F students will be lifting according to the B.F.S. program. T/TH students will concentrate on speed, agility and endurance.

Course# 5373                      GIRLS WEIGHTLIFTING/FITNESS (9,10,11,12)                      1 Term                      .50 credit  
Welcome to weightlifting and fitness for girls only! This class is designed for novice and experienced students to participate in a variety of weight lifting programs, fitness activities and fitness games. This class is targeted for girls who are interested in developing strength and cardiovascular fitness through weight lifting and aerobic conditioning.

Course#5133                      UNIFIED PHY ED (9,10,11,12)                      1 Term                      .50 credit  
The Unified Physical Education course is structured around SHAPE America's National Standards and Grade-Level Outcomes for K-12 Physical Education. Additionally, the class supports the development of leadership skills for all students as well as the empowerment of all students to foster an inclusive class and school-wide environment. This Class is for all students 9 - 12 who would like to foster skill building, game play, and physical fitness with students who have special needs. Most of our activities will be modified to ensure success and a fun learning environment with low stress and a less competitive nature.

Course #5503                      LIFE SPORTS (10,11,12)                      1 Term                      .50 credit  
This course is offered to meet the needs of students who prefer recreation oriented types of activities. Activities can be team or individually oriented and designed for lifetime interests. The curriculum will revolve around most of the racquet sports such as nerf tennis, badminton, racquetball, pickle ball etc..There will also be outdoor activities in Spring and Fall, such as archery, disc golf and yard games.

Course #5551                      SWIMMING (10,11,12)                      1 Term                      .50 credit  
This course is designed for students at all ability levels to develop their swimming skills. The emphasis is on basic stroke work. Elements of water safety will also be included.

Course #5553                      OUTDOOR ADVENTURES (12)                      1 Term                      .50 credit  
This course is geared for students who are interested in outdoor activities. Activities may include some of the following: Cross-country skiing, snowshoeing, ice-fishing, canoeing, orienteering, archery, hiking, biking, etc. **WE WILL** be going outside during the winter months so keep this in mind.

## SCIENCE

Course #6001/6002                      GENERAL IPS (9)                      2 Terms                      1.00 credit  
General IPS is a two-term course in physical science. This course includes the introductory phase of physical science. It is not as mathematical as Course #6101/6102, and it is more lab-oriented. **THESE STUDENTS WILL BE HAND SELECTED BY INSTRUCTOR AND THE GUIDANCE DEPARTMENT.**

Course #6101/6102                      IPS (Intro to Physical Science)PHYSICS & CHEM (9)                      2 Terms                      1.00 credit  
This is a two-term course in introductory physical science. Its purpose is to give students a beginning knowledge of physical science and to offer some insight into the means by which scientific knowledge is acquired. This course is designed to serve as a solid foundation for those students taking later science courses in physics or chemistry. **THIS COURSE IS REQUIRED OF ALL FRESHMEN.**

## SCIENCE (cont.)

Course #6131/6132                      GENERAL BIOLOGY (10)                      2 Terms                      1.00 credit  
General Biology is the study of living things. This lab oriented class includes a study of plants, animals and microorganisms. It is designed to meet the needs of today's students with many hands-on activities and field oriented studies. **THESE STUDENTS WILL BE HAND SELECTED BY INSTRUCTOR AND THE GUIDANCE DEPARTMENT.**

Course #6201/6202                      BIOLOGY (10)                      2 Terms                      1.00 credit  
Biology is the study of living things. During this class we will study environmental and ecological concepts biochemistry,

cells, genetics and classification. The class will consist of several hands-on activities, discussions and labs. This is a required course for all Barron students.

Course # 6601                      ADV. BIOLOGY (10,11,12)                      1 Term                      .50 credit

**Prerequisite: A B- or higher in Biology or Instructor's consent.**

Advanced biology is considered a college prep level class. In advanced biology we expand on topics covered in biology and explore new topics as well. Some of the topics covered will include: stream quality assessment, microbiology, biotechnology and biochemistry. Advanced biology is a more test centered class than biology.

Course #6602                      ANATOMY, PHYSIOLOGY & DISEASE CONCEPTS (10,11,12) 1 Term                      .50 credit

**Prerequisite: A B- or higher in Biology or Instructor's consent.**

Anatomy and Physiology is considered a college prep level class. In anatomy and physiology we will take a systematic approach in studying the human body. Through labs, research and discussion we will look at how the human body is organized. We will also investigate the integumentary, skeletal, muscular, nervous, cardiovascular, digestive and respiratory systems. Finally, through dissection of a fetal pig we will explore the appearance and location of anatomical structures in a mammal. **This is an advanced standing course with Northwood Technical College**

Course #6221/6222                      GENERAL CHEMISTRY (11,12)                      2 Terms                      1.00 credit

General Chemistry is a year-long course in the study of matter, its chemical composition and the changes it undergoes. It is designed to meet the needs of today's students with many hands-on activities. The relevance of chemistry to the world around us is stressed whenever possible. THESE STUDENTS WILL BE HAND SELECTED BY INSTRUCTORS AND THE GUIDANCE DEPARTMENT.

Course #6301/6302                      CHEMISTRY (9,10,11,12)                      2 Terms                      1.00 credit

**Prerequisite: A grade of C in Algebra I or consent of the instructor.**

Chemistry is the study of matter, its chemical composition and the changes it undergoes. Atomic structure, compound naming, equation balancing, and mass relationships are some of the concepts covered and includes related lab work. The relevance of chemistry to the world around us is stressed whenever possible.

Course #6801/6802                      CHEMISTRY, ORGANIC, BIOCHEMISTRY (11, 12)                      2 Terms                      1.00 credit

**Prerequisite: Chemistry**

The class would be available for any senior that is serious about a Health Care field, Sophomores or Juniors who have already taken Chemistry I. This is for anyone interested in Health Care Careers. It will cover three different areas: regular, organic and biochemistry. It will be a post-secondary level class which should prepare you for your chemistry class in post-secondary school.

Course #6901/6902                      AP CHEMISTRY (11,12)                      2 Terms                      1.0 credit

**Prerequisites: Chemistry I and Algebra II**

AP Chemistry is a course designed to be equivalent to a first year college general chemistry course. Topics covered will include: structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and basic concepts of thermodynamics. There will also be two hours of laboratory a week.

Course #6501/6502                      AP ENVIRONMENTAL SCIENCE (11, 12)                      2 Terms                      1.00 credit

**Prerequisites: Must have completed at least two lab based science classes (which in most cases would limit the class to juniors and seniors, must have at least a B- in biology, must have completed Algebra of higher math class.**

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

**SCIENCE (cont.)**

Course #6401/6402                      PHYSICS (10,11,12)                      2 Terms                      1.00 credit

**Prerequisites: Geometry**

Physics is the study of the properties and interactions of matter and energy. The course includes studies in mechanics, the properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear physics.

Course #6033/6034                      FORENSIC SCIENCE (9, 10, 11,12)                      2 Term                      1.0 Elective credit

During this class, students will be introduced to a wide variety of topics related to Forensic Science. The class starts off with

an introduction to law, evidence collection and the crime scene. Next the class moves into analyzing a plethora of types of evidence including: fingerprints, hair, fibers, drugs, poisons, trace evidence, soil, blood, DNA and entomology. Students will learn how to fingerprint, complete microscopic identification and complete various chemical tests.

## **SOCIAL STUDIES**

Course # 7601                      US HISTORY (1865-1932) (9)                      1 Term                      .50 credit  
In this course the student will learn about US History from 1812 to 1920. **REQUIRED OF ALL FRESHMEN**

Course # 7102                      GEOGRAPHY (9)                      1 Term                      .50 credit  
Geography 9 is the study of geographic skills that include the five themes of location, place, human/environment interaction, movement, and region. Students should be able to recognize these skills as they study the United States and the world.  
**REQUIRED OF ALL FRESHMEN**

Course # 7211                      WORLD HISTORY - PEOPLING OF THE WORLD (10)                      1 Term                      .50 credit  
**REQUIRED OF ALL SOPHOMORES**  
In this course students will study several ancient civilizations such as Egypt. Students will focus on areas of study such as cultural interaction, economics, religious and ethical systems and empire building.

Course# 7212                      WORLD HISTORY - MONARCHS - INTERDEPENDENCE (10)                      1 Term                      .50 credit  
**REQUIRED OF ALL SOPHOMORES**  
This course will include an overview of the significant contributions of the ancient world and will concentrate on important European developments to the present time. It will also include units on non-western civilizations.

Course # 7402/7403                      ADVANCED PLACEMENT US HISTORY (11,12)                      2 Terms                      1.00 credit  
**Prerequisite: 3.5 GPA in Social Studies or consent of instructor.**  
This is a general survey course of American history from colonial times through present day. The emphasis will be on historical concepts and the effect they had on the development of American history. Knowledge of concepts and the ability to reinforce them with factual material will be an essential element of this course. Independent reading of outside material and the ability to write logically and precisely will be expected. This course will be presented and taught at the college level. Successful completion of this course will give the student the option of testing for possible college credit. This class must be attended for the entire class period. Students who have an ITV class before or after this course will not be allowed to leave early or come late to class.

Course #7602                      US HISTORY 1932-to present (11)                      1 Term                      .50 credit  
In this course the student will learn about the American experience from the beginnings of the Great Depression to current day America. The elective AP-US History can be substituted for this course if the student would like to earn college credit.  
**REQUIRED OF ALL JUNIORS**

Course #7701                      AMERICAN POLITICAL BEHAVIOR (APB) (12)                      1 Term                      .50 credit  
This course uses a case study approach to American politics and government. It deals with political activities of Americans both as citizens and as political leaders. Emphasis is on understanding American politics in realistic terms and on developing the student's capacity to act effectively as a citizen in our democratic society. **REQUIRED OF ALL SENIORS.**

Course #7822                      ECONOMICS (11,12)                      1 Term                      .50 Elective credit  
This course deals primarily with the economic problems and decisions faced by the consumer. Elementary economic theory dealing with basic concepts is brought in as necessary.

## **SOCIAL STUDIES (cont.)**

Course # 7811                      SOCIOLOGY (9,10,11,12)                      1 Term                      .50 Elective credit  
This class was developed so the student can better understand the problems that face our society today. For example, when we study crime, we will look at our justice system, laws, penalties, types of crime and what solutions might be offered. Drugs, and drug laws are also discussed here. Other areas of study include education, family, religion, and civil rights, poverty and ecology. All of the topics we study are real problems in today's society. This class will prepare you for your beginning sociology class in college.

Course # 7802                      PSYCHOLOGY/HUMAN BEHAVIOR (11, 12)                      1 Term                      .50 Elective credit  
This is a beginning psychology course. It will help students understand basic needs and behaviors. This course can serve as a good preparation for college classes which are required in many majors. We will dive into topics such as brain development, development through the lifespan, motivation, memory, behavior change, personality types, psychological testing and abnormal psychology. In addition, the course will provide essential background for those who may be considering psychology or counseling as a career.

Course # 7853                      YOU AND THE LAW (10, 11, 12)                      1 Term                      .50 Elective credit  
This is a course that covers the basic criminal, civil, juvenile and family law. In addition, a special unit on law enforcement is also presented. Guest speakers who are actively involved in legal careers are invited to speak to the classes. Speakers may include county judges, district attorneys, clerks of court, public defenders and police officers.

Course #7303                      WORLD WAR II (10,11,12)                      1 Term                      .50 Elective credit  
Barron High School's World War II course is the study of the causes, course, and aftermath of World War II, with particular emphasis on American perspective and foreign policy within world politics. In addition to discussing American grand strategy and the course of the war in both Europe and the Pacific, the class will consider topics such as the United States' mobilization for war; roles of women and minority groups in the war effort; the use of submarine and strategic air warfare; and the use of nuclear weapons against Japan. This class will utilize various methods of instruction such as film, video, literature, lecture, and primary documents. Students must come into this class ready to discuss and participate. Students can expect that outside reading is a necessity for this course.

Course #7313                      THE HOLOCAUST (11,12)                      1 Term                      .50 Elective credit  
This course is designed to build an understanding of Nazi Germany's systematic attempt to exterminate the Jews of Europe. It will primarily focus on the events related to the Holocaust in the time period of 1919 to 1945 and focus on the events geographically in Germany and Eastern Europe. The course seeks to highlight the causes, the course, the context, and the effects of the event as a whole and to educate the students on the specific events involved. The course will utilize both primary and secondary sources to fulfill the curricular needs. The course will also work extensively to develop the students' historical thinking skills: identifying and explaining historical developments, analyzing sources and source arguments, developing context, and using historical reasoning.

## SPANISH

Course #3201/3202                      SPANISH I (9,10,11,12)                      2 Term                      1.00 credit  
Spanish I focuses on the study of various Spanish cultures and the ability to understand and respond to everyday conversation. Areas of special study are: school, travel, geography, hobbies, the family and sports. **Enrollment in the second term of this class is dependent upon a passing grade for the first term.**

Course #3211/3212 SPANISH II (10,11,12)                      2 Term                      1.00 credit  
Prerequisite: **A grade of C or better in Spanish I**  
Spanish II continues developing the ideas and vocabulary from Spanish I. Areas of special study are: daily life, dealing with money, sports, clothing, entertainment and food. **Enrollment in the second term of this class is dependent upon a passing grade for the first term.**

Course #3221/3222                      SPANISH III (11, 12)                      2 Terms                      1.00 credit  
**Prerequisite: A grade of C or better in Spanish II**  
Spanish III exposes students to all tenses and grammatical concepts. Pronunciation and mastery of grammar are emphasized. Areas of special study are: cultural celebrations, daily routines, outdoor recreational activities and travel. **Enrollment in the second term of this class is dependent upon a passing grade for the first term.**

## SPANISH (cont.)

Course #3231/3232                      SPANISH IV (12)                      2 Terms                      1.00 credit  
**Prerequisite: A grade of C or better in Spanish III**  
Spanish IV exposes students to major Hispanic poets and writers. Grammar and vocabulary are reviewed in the context of literature. **Enrollment in the second term of this class is dependent upon a passing grade for the first term.**

## TECHNOLOGY EDUCATION

Course#8443                      TECHNOLOGY I (9,10, 11,12)                      1 Term                      .50 credit  
This course is designed to enhance basic student knowledge of technology processes. It is recommended that students take this course before all other Technology Education Classes. This course will provide information about equipment, methods, materials and processes related to entry-level technology. While taking this course students will learn very basic procedures in the transportation, manufacturing, production, processing, and construction areas. Students will be working with materials to produce and complete projects that will help them master specific tasks, which will allow them to produce a higher quality project in the future Technology Education Classes.

Course # 8483                      WOMEN IN TECHNOLOGY (10,11,12)                      1 Term                      .50 credit  
This course will encourage women in nontraditional careers in technology. It will provide a foundation in skills needed for transportation, construction, manufacturing, and communications. Car care, home maintenance, basic tool operations and researching careers of technology/engineering will be areas of study in this course.

Course #8633                      WELDING FOR MECHANICS (9,10,11,12)                      1 Term                      .50 credit  
This course is designed to give the student a broad understanding of the materials and processes involved in the fabrication of metals. The course will give the student a "hands-on" experience in the areas of layout, precision measurement, blueprint reading, machining processes, sheet metal work and fabricate metal w/assistance of heat. The class will learn the process of stick electrode, wire feed and oxygen acetylene welding. **Freshmen may only take this class once they have completed Intro to Tech.**

Course #8643                      CABINET & FURNITURE MAKING (9,10,11,12)                      1 Term                      .50 credit  
This course will be a complete woodworking course with special emphasis on machining operations, fabrications and wood finishing techniques, safety and planning. Students will work on individual as well as mass production type projects during the class. **Freshmen may only take this class once they have completed Intro to Tech.**

Course # 8663                      ADVANCED WELDING (11,12)                      1 Term                      .50 credit  
**Prerequisite: Welding for Mechanics**  
This course is designed to give the student an opportunity to work with advanced techniques in metal working. Students will be involved with individual as well as some mass production projects.

Course #8843                      ADVANCED CABINET & FURNITURE MAKING (11,12)                      1 Term                      .50 credit  
**Prerequisite: Cabinet & Furniture Making**  
This course is designed to give the student an opportunity to work with advanced techniques in woodworking. Students will be involved with individual as well as some mass production projects.

Course #8463                      CONSTRUCTION (10,11,12)                      1 Term                      .50 credit  
This course will provide information about equipment, methods and materials used in residential construction, pertaining to the entry-level carpenter. Students will become familiar with working terminology, trade related math, tools of the trade, and a number of home repair and maintenance techniques. Student activities will include: shop labs of both individual and group natures.

Course # 8533                      DIGITAL IMAGERY (9,10,11,12)                      1 Term                      .50 credit  
This course is recommended for any student that owns a digital camera or camcorder and wants to enhance their knowledge and skills in the digital world. This is a LAB based hands-on course and students will explore the techniques and applications of acquiring, manipulating and creating digitized photographic images utilizing Adobe Photoshop.

## TECHNOLOGY EDUCATION (cont.)

Course # 8411                      PRODUCTION & MANUFACTURING(11,12)                      1 Term                      .50 credit  
**Prerequisites of at least one of the following: cab & furniture, welding, digital imagery, accounting, entrepreneur, managing your own business, CAD design & application**  
Students will design, manufacture, and sell a product(s). Students will be responsible for the entire process: product choice, design, material planning, price analysis, production, quality control, marketing, sale, and delivery. Students will work under deadlines, price constraints, customer criteria, and exacting quality expectations. This course is designed to mimic a real





Structure Study Skills is a course specified for special education students, teaching study skills at the high school level. An IEP team decision will determine placement in this course. Topics include: setting goals, establishing priorities, managing our time, organizing papers/desks/lockers, speaking and listening effectively, taking notes, studying for tests, writing papers, and preparing presentations.

Course # 0043 Seniors

Course #0063 Juniors TRANSITIONS (11, 12) 1 Term .50 credit

**Prerequisite: Students must have an IEP**

This course is specifically designed for students who want to explore post-secondary options. This class will focus on exploring careers and developing a post-secondary plan. Students will explore how to gain acceptance to post-secondary institutions, gain knowledge on financial aid to attend post-secondary institutions, how to prepare to gain a job and develop a career portfolio.

Course #8994 CHARACTER EDUCATION (9, 10,11,12) 1 Term .50 credit

This course is designed to develop character traits with the use of historical stories about role models, interactive activities, and analyzing film clips and movies. All stories and movies are based on real people who display the character trait that is being developed in that week's curriculum. Character traits are needed in every facet of life in pursuing a successful future. This is an elective course.

Course# 1472 SPEECH - DC (11, 12)  2 Terms .75 credit

**NOT OFFERED 23/24 WILL BE OFFERED 24/25**

Must meet certain course criteria to take this college course. This is a college course that will study the principles and techniques of effective speaking and listening in a variety of selected communication experiences. Your grade level English courses are still required; this is an elective credit. This course is a semester based course and runs in the evenings. Offered 22/23, this course will alternate years with Oral/Interpersonal Communications. This is a semester based course and will run in the Spring term. Must fill out Start College Now paperwork by Oct 1 deadline.

Course#1475 ORAL/ INTERPERSONAL COMMUNICATIONS - DC (11, 12)  2 Terms .75 credit

**OFFERED 23/24 WILL NOT BE OFFERED 24/25**

Must meet certain course criteria to take this college course. This is a college course aimed at introducing communication theory, increasing the student's awareness of communication with others in one-on-one situations, and improving personal communication skills. Topics studied include perception, listening, nonverbal communication, language, and conflict management. Your grade level English courses are still required; this is an elective credit. This course is a semester based course. This is a semester based course and will run in the Spring term. Must fill out Start College Now paperwork by Oct 1 deadline.

Course # 9011/9012 WRIT 101/102 COLLEGE READING AND WRITING-DC (11,12) 3 Terms 1.5 credit

**Prerequisite: This is a college level course offered through UW ECBC. Students must fill out an ECCP form and have submitted to Student Services by the March 1 deadline. Students may have to take a placement test and score sufficiently. Students must take AP English at BHS before signing up for this course. This course is a 3 credit college course and will be a part of your college transcript.** This course is designed to ground first year students in reading, writing, and rhetorical demands necessary for success in college and beyond.

**ADDITIONAL ELECTIVE CREDIT COURSES (cont.)**

Course # 8890/8891/8892 YOUTH APPRENTICESHIP (11,12) Varies Varies

**Prerequisite or Co-requisite: Employability Skills - Career & Technologies**

This course is a one or two year course which combines school course work with paid work experience. Students must apply and interview for the program. If selected, specific courses must be taken in school. Students must be available to work 3-4 hours per day. Part of the school day can be used to go to work. Students are paid wages by the employer for the work experience portion of this program and must follow employer guidelines and the school policies/activity code. After successful completion of program requirements, students will earn a certificate for the Department of Workforce

Development and the chance to earn up to 9 technical college credits in a program related to the apprenticeship. Students are required at least 2 terms of related instruction - Youth Apprentice Options are: Agriculture, Finance, Health Science, Hospitality & Tourism, Science Tech Engineering & Math, Information Technology, Manufacturing, Transportation.

Course# 8932 SENIOR EXTERNSHIP (12) Varies Varies  
This externship is for seniors who want to pursue more experience in one of the 16 career pathways. Seniors will find a suitable experience prior to the start of the trimester that will help them gain more experience in a career that interests them. This experience can run all three trimesters with students earning up to a maximum of 1.5 credits. Flexible scheduling can be an option to allow a longer time period to be at the experience. Seniors must meet with a counselor to set up the pathway externship and complete the appropriate paperwork. This externship cannot be doubled with a Youth Apprenticeship course.

Course # 8881/8882/8883 ENTERTAINMENT TECHNOLOGY (9,10,11,12) 3 Terms 1.5 credit  
This course is designed for students who want to explore the technical side of the entertainment industry. Students will learn about sound systems, photography, video recording/editing and audio recording/editing using industry recognized equipment and software. As a student, you will be trained for potential employment as an audio, lighting, and video technician for events that are held at Barron High School.

Course # 8992 FRESHMAN SUCCESS (9) 1 Term .50 credit  
This course is designed for 9th Grade students to support their social and academic transition to Barron High School. Students enrolling in this course have been identified as 8th grade students who need extra support in meeting curriculum targets and graduation requirements. Throughout this trimester course, students will have the opportunity to improve their organizational skills, expand their self advocacy skills and be introduced to academic self-management. Students will develop individualized goals related to career planning and character development.

Course # 8996 LEADERSHIP GROWTH AND DEVELOPMENT (10, 11, 12) 1 Term .50 credit  
This course provides an opportunity for students to grow, develop, and practice group leadership, individual leadership, and organizational skills. Students will explore topics related to leadership roles, leadership styles, interpersonal relations, civic and ethical responsibility, decision-making, problem-solving, communication, and goal-setting. The purpose of the course is to help students develop leadership skills in their high school years and beyond in their future careers and communities.

## ESL CLASSES

Course # 4001/4002/4003 ESL MATH (9,10,11,12) 3 Terms 1.50 credit  
The basic concepts of addition, subtraction, multiplication, and division are taught. These concepts are applied to whole numbers and to fractions. Decimals and percents are introduced. Different types of graphs are introduced (bar graphs, line graphs, and circle graphs). Real-live situations are brought into class as much as possible.

Course # 4011/4012 ESL ALGEBRA (9,10,11,12) 2 Terms 1.00 credit  
Pre-algebra concepts are taught. Students work with solving equations, writing equations, and using formulas.

Course #1461/1462/1463 ESL ENGLISH I (9,10,11,12) 3 Terms 1.50 credit  
The four language skills of reading, writing, speaking, and listening are taught. The focus of the class is developing basic communications skills, including the vocabulary used in everyday situations. Students work on writing simple and compound sentences using the simple tenses and English structures rules.

Course #1481/1482/1483 ESL ENGLISH II (9,10,11,12) 3 Terms 1.50 credit  
Students learn how to write paragraphs using a topic sentence with supporting details. Compound and complex sentences are taught, and students practice these skills using English sentence structure rules. Students learn strategies to improve reading comprehension and to assist them in their content area classes.

## ESL CLASSES (cont.)

Course #7851/7852 ESL SOCIAL STUDIES (9,10,11,12) 2 Terms 1.00 credit  
This course will examine early American history, how our government formed and what rights we have under the constitution. We will look at citizenship and how it affects the individual. The course will also have discussion topics of the 20th century and a news component that deals with current events.

Course # 6011/6012 ESL SCIENCE (9,10,11,12) 2 Terms 1.00 credit  
In this course, students will learn the basic facts about different types of trees and plants as well as plant parts and functions.

We will also discuss the many different species of animals and the differences between them. Students will also be introduced to biology, chemistry, physical science and earth science concepts. Hands on lab activities will also be included with this course.

Course #8813                      ESL COMPUTER (9,10,11,12)                      1 Term                      .50 credit  
Students will learn basic computer and keyboarding skill. Students will learn concepts on how to use the computer. Opportunity to explore the internet will be part of the course.

Course #7033                      DREAMS AND GOALS IN AMERICA (9,10,11,12)                      1 Term                      .50 credit  
In this class students will be working on developing life skills in realizing their dreams and how to reach their goals. They will be reading American Ways to help them understand American culture. There will be units on dealing with finance, health, jobs, education, driving, shopping and more.

Course # 5601                      ESL HEALTH (10,11,12)                      1 Terms                      .50 credit  
REQUIRED OF ALL STUDENTS - RECOMMENDED AT SOPHOMORE LEVEL  
This course is tailored to meet the needs of teacher-identified ESL Students. This course will incorporate instruction in personal, family, community and environmental health. Health encourages overall wellness with physical, mental-emotional, and social components. This course is designed to empower students with decisions-making skills to enhance healthy lifestyles now and in the future.

Course # 7955                      ESL AGRICULTURAL SCIENCE (9,10,11,12)                      1 Term                      .50 credit  
In this course, students will learn the basic facts about the agricultural industry including plant science, animal science, basic food processing, and leadership development, and will have hands-on experiences in the school greenhouse and animal learning lab. Students will learn about basic gardening skills, practice basic food preservation, and learn basic animal science principles. Students will be selected in consultation with ESL staff.

#### **Student Nondiscrimination and Student Access to Equal Educational Opportunity**

It is the policy of the Barron Area School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by s. 118.13, Wis. Stats. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race and national origin), and Section 504 of the Rehabilitation Act of 1973 and the Americans With Disabilities Act of 1990, (disability).

If any person believes that the Barron Area School District or any part of the school organization has failed to follow state student nondiscrimination law and regulations or the Board's equal educational opportunities policy, he/she may bring or send a complaint to Teri Massie, District Compliance Officer, at the following address: 100 West River Avenue, Barron, WI, 54812.

The district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available, however, to address allegations of violations of the policy in the Barron Area School District.

Any questions concerning this policy should be directed to the District's Compliance Officer: Teri Massie, Barron Area School District, 100 West River Avenue Barron, WI 54812.

#### **Career and Technical Education Opportunities**

All career and technical education opportunities will be offered on a nondiscriminatory basis (without regard to race, color, national origin, sex, disability, etc.). BASD offers a full complement of career and technical education programming, including classes in the areas of agriculture and natural resources, business and information technology, family and consumer sciences, health science, marketing management and entrepreneurship, and technology and engineering. All students enrolled in the district have access to CTE programming at grade levels offered.

#### **Student Religious Accommodations**

Reasonable accommodation of a student's sincerely held religious beliefs shall be made with regard to all examinations and other academic requirements. The parent/guardian of a minor student may request accommodation in confidence by notifying the building principal or his/her designee. The student shall be permitted to make up the examination(s) or academic requirement(s) at a mutually convenient date and time or by an alternative means without prejudicial effect.

All courses, including Career and Technical Education courses, are available without discrimination based on race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including transgender status, change of sex or gender identity), or physical, mental, emotional, or learning disability, any other characteristic protected by law in any of its student programs, activities, and employment ("Protected Classes").