WEST SALEM

PANTHERS

COURSE PLANNING GUIDE

2021-2022

West Salem High School

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2021-2022 COURSE PLANNING GUIDE

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WEST SALEM HIGH SCHOOL GRADUATION REQUIREMENTS

English	4.0 credits including ▪ English 9 (1 credit) ▪ English 10 (1 credit) ▪ English 11 (1 credit) ▪ English 12 or College Prep English or English 110(1 credit)
Social Studies	3.5 credits including ▪ US History (1 credit) ▪ Modern US History (0.5 credit) ▪ World Cultures (0.5 credit) ▪ Junior Social Studies (0.5 credit) ▪ Sociology OR Psychology (0.5 credit) ▪ American Government (0.5 credit) or ▪ AP Government (1.0 credit)
Science	3.0 credits including ▪ Physical Science (1 credit) ▪ Biology (1 credit) ▪ Science Electives (1 credit)
Math	3.0 credits ▪ Credits earned starting in 9th grade
Physical Education & Health Education	2.0 credits including ▪ PE 9 (0.5 credit) ▪ PE 10 (0.5 credit) ▪ Health Education (0.5 credit) ▪ PE Elective (0.5 credit)
Personal Finance	0.5 credit (Senior Year)
Senior Seminar	0.5 credit (Senior Year) Senior Exit Project ✓ Paper ✓ Project/Portfolio ✓ Presentation
Electives	6.5 credits
Testing Requirement	WI State Civics Exam - Passing Grade 65/100

Courses Available by Grade Level

AGRICULTURE SCIENCE & TECHNOLOGY	GRADE LEVEL				SEM/YEAR	CREDITS
Aquaponics	9	10	11	12	Semester	0.5
Small Animal Vet Science		10	11	12	Semester	0.5
Great Outdoors	9	10	11	12	Semester	0.5

ART & DESIGN EDUCATION	GRADE LEVEL				SEM/YEAR	CREDITS
2-D Foundations	9	10	11	12	Semester	0.5
3-D Foundations	9	10	11	12	Semester	0.5
Drawing		10	11	12	Semester	0.5
Painting		10	11	12	Semester	0.5
Modern Art			11	12	Semester	0.5
Printmaking		10	11	12	Semester	0.5
Pottery and Sculpture I		10	11	12	Semester	0.5
Pottery and Sculpture II		10	11	12	Semester	0.5
Design I		10	11	12	Semester	0.5
Design II		10	11	12	Semester	0.5
Photo I		10	11	12	Semester	0.5
Photo II			11	12	Semester	0.5
Art: Studio			11	12	Semester	0.5

BUSINESS EDUCATION	GRADE LEVEL				SEM/YEAR	CREDITS
Business Concepts ***Western***		10	11	12	Semester	0.5
Marketing: Market Research & Product Development		10	11	12	Semester	0.5
Economics		10	11	12	Semester	0.5
Retail Operations & Management ***Western***	9	10	11	12	Semester	0.5
Accounting I		10	11	12	Semester	0.5
Accounting II ***Western***		10	11	12	Semester	0.5
Personal Finance ***Western***				12	Year	0.5
Introduction to Marketing ***Western***	9	10	11	12	Semester	0.5
Marketing: Sales and Promotion ***Western***		10	11	12	Semester	0,5
Sports & Entertainment Marketing		10	11	12	Semester	0.5
Business Law			11	12	Semester	0.5

COMPUTER SCIENCE	GRADE LEVEL				SEM/YEAR	CREDITS
Computer Applications ***Western***	9	10	11	12	Semester	0.5
Web Design	9	10	11	12	Semester	0.5
Programming I: Visual Basic	9	10	11	12	Semester	0.5
Programming II: Adv Visual Basic	9	10	11	12	Semester	0.5
Programming III: C++		10	11	12	Semester	0.5
Programming IV: Java		10	11	12	Semester	0.5
Advanced Programming: Software Design I ***UW-L***			11	12	Year	1.0
Information Processing I	9	10	11	12	Semester	0.5
App Design I	9	10	11	12	Semester	0.5
App Design II	9	10	11	12	Semester	0.5

ENGLISH LANGUAGE ARTS	GRADE LEVEL				SEM/YEAR	CREDITS
English 9	9				Year	1.0
English 10		10			Year	1.0
English 11			11		Year	1.0
English 12				12	Year	1.0
College Prep English				12	Year	1.0
English 110 ***UW-L***				12	Year	1.0
Poetry (every other year, e.g. 2023, 2025)	9	10	11	12	Semester	0.5
Basic News Writing	9	10	11	12	Year	1.0
Advanced News Writing		10	11	12	Year	1.0
Multimedia Storytelling: Broadcasting	9	10	11	12	Semester	0.5
Vocabulary		10	11	12	Semester	0.5
Creative Writing (every other year, e.g. 2022, 2024)		10	11	12	Semester	0.5
Speech CST110 ***UW-L***			11	12	Year	1.0
World Literature (every other year, e.g. 2023, 2025)		10	11	12	Semester	0.5

FAMILY & CONSUMER SCIENCE	GRADE LEVEL				SEM/YEAR	CREDITS
Basic Foods	9	10	11	12	Semester	0.5
Housing & Interior Design	9	10	11	12	Semester	0.5
Child Development ***Western***		10	11	12	Semester	0.5
Advanced Foods		10	11	12	Semester	0.5
Lifetime Essentials		10	11	12	Semester	0.5
Culinary Arts - ProStart			11	12	Semester	0.5
Introduction to Early Childhood Education			11	12	Semester	0.5

LEADERSHIP	GRADE LEVEL				SEM/YEAR	CREDITS
Principles of Leadership	9	10	11	12	Semester	0.5

MATHEMATICS	GRADE LEVEL				SEM/YEAR	CREDITS
Pre-Algebra	9				Year	1.0
Algebra I	9	10	11	12	Year	1.0
Geometry	9	10	11	12	Year	1.0
Algebra II		10	11	12	Year	1.0
Intro Statistics and Probability		10	11	12	Semester	0.5

Advanced Math Topics			11	12	Year	1.0
Pre-Calculus with Trigonometry			11	12	Year	1.0
Advanced Placement Calculus AB			11	12	Year	1.0

MUSIC EDUCATION	GRADE LEVEL				SEM/YEAR	CREDITS
Music Appreciation (every other year – e.g. 2020, 2022)	9	10	11	12	Semester	0.5
Band (Concert Band or Wind Symphony)	9	10	11	12	Year	1.0
Vocal Music (Concert Choir or Mixed Choir)	9	10	11	12	Year	1.0
Intro to Theatre	9	10	11	12	Semester	0.5
Theatre Arts	9	10	11	12	Semester	0.5

PHYSICAL EDUCATION & HEALTH EDUCATION	GRADE LEVEL				SEM/YEAR	CREDITS
Freshman Physical Education	9				Semester	0.5
Sophomore Physical Education		10			Semester	0.5
Health Education		10			Semester	0.5
Lifetime Activities			11	12	Semester	0.5
Team Sports			11	12	Semester	0.5
Shaping & Toning			11	12	Semester	0.5
Strength Training			11	12	Semester	0.5
Advanced Fitness			11	12	Semester	0.5
Advanced Team Sports			11	12	Semester	0.5
Introduction to Sports Medicine			11	12	Semester	0.5
Officiating and Coaching Youth Sports*			11	12	Semester	0.5
Outdoor Education* *Must be student's fourth PE class.				12	Semester	0.5

SCIENCE	GRADE LEVEL				SEM/YEAR	CREDITS
Physical Science	9				Year	1.0
Biology I		10			Year	1.0
Chemistry			11	12	Year	1.0
Advanced Chemistry			11	12	Year	1.0
Chem 103 ***UW-L***			11	12	Year	1.0
Anatomy & Physiology			11	12	Year	1.0
Environmental Biology		10*	11	12	Semester	0.5
AP Environmental Science			11	12	Year	1.0
Physics			11	12	Year	1.0
Astronomy			11	12	Semester	0.5
Advanced Placement Biology				12	Year	1.0
Forensic Science			11	12	Semester	0.5
Physics 171 ***UW-Oshkosh***			11	12	Year	1.0
Medical Terminology/Intro Health Careers		10*	11	12	Year	1.0
Medical Anatomy & Physiology			11	12	Year	1.0
CNA – Certified Nurse Assistant Training			11	12	Semester	0.5

SOCIAL STUDIES	GRADE LEVEL				SEM/YEAR	CREDITS
U.S. History 9	9				Year	1.0
Modern U.S. History		10			Semester	0.5
World Cultures I		10			Semester	0.5
Junior Social Studies			11		Year	0.5
Sociology			11		Semester	0.5
Psychology			11		Semester	0.5
American Government				12	Semester	0.5
AP Government			11	12	Year	1.0
Street Law		10	11	12	Semester	0.5
Advanced Psychology ***UW-Oshkosh***			11	12	Year	1.0
Genocide and Human Rights			11	12	Semester	0.5
Senior Seminar				12	Year	0.5

TECHNOLOGY EDUCATION	GRADE LEVEL				SEM/YEAR	CREDITS
Intro to Woods and Engineering	9	10	11	12	Semester	0.5
WAE (Intro to Technology and Engineering)	9	10	11	12	Semester	0.5
Metals Technology		10	11	12	Semester	0.5
Advanced Metals & Welding		10	11	12	Semester	0.5
Metal Art		10	11	12	Semester	0.5
Metal Art II		10	11	12	Semester	0.5
Power & Energy		10	11	12	Semester	0.5
Automotive Fundamentals ***Western***		10	11	12	Semester	0.5
Metals Fabrication ***Western***			11	12	Semester	0.5
Advanced Automotive Concepts			11	12	Semester	0.5
Air Cooled Engines			11	12	Semester	0.5
Automotive Diagnostics			11	12	Semester	0.5
Electricity/Electronics and Robotics			11	12	Semester	0.5
Adulting: Survival After High School				12	Semester	0.5
Woods I		10	11	12	Semester	0.5
Manufacturing		10	11	12	Semester	0.5
Woods II			11	12	Year	1.0
Woods III ***Western***			11	12	Semester	0.5
Principles of Engineering			11	12	Semester	0.5
Architectural Engineering Design			11	12	Semester	0.5
Construction/Remodeling ***Western***			11	12	Semester	0.5
Auto Tech Youth Apprenticeship			11	12	Year	1.0
Welding Youth Apprenticeship			11	12	Year	1.0
Technical Drafting Youth Apprenticeship			11	12	Year	1.0

WORLD LANGUAGES	GRADE LEVEL				SEM/YEAR	CREDITS
Spanish I	9	10	11	12	Year	1.0
Spanish II		10	11	12	Year	1.0
Spanish III			11	12	Year	1.0
Spanish IV				12	Year	1.0

OTHER	GRADE LEVEL				SEM/YEAR	CREDITS
Summer School Make-up (specific courses)	9	10	11		4 weeks	0.5
Academic Assistance Program	9	10	11	12	Sem/Year	0.5/1.0
Independent Study			11	12	Semester	0.5
Early College Credit Options			11	12	Sem/Year	TBD
Supervised Occupational Experience			11	12	Semester	0.5/1.0
Teaching Assistant				12	Semester	0.5

AGRICULTURE SCIENCE & TECHNOLOGY

See Career Example:

AQUAPONICS *02061* ***Not an NCAA approved course**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

This semester course is designed for students with an interest in science and agriculture. This course will focus on managing the aquaponics system in the greenhouse. We cover the topics in aquaponics including aquaponic methods and applications, crop choices and recommendations, water quality, daily operation and growing techniques, greenhouses and environmental control, fish biology and feeds, plant care and health, and the economics of aquaponics. Students will also be growing food that will be used by the school lunch program. Units in this course will include introduction to aquaponics, water chemistry, horticulture, aquaculture and possibly others.

SMALL ANIMAL VET SCIENCE *02075* ***Not an NCAA approved course**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
CLASS FEE: Cost of small animal

This course is designed for students with interests in small animals as hobbies or for commercial production as pet store suppliers, private marketers, etc. Students will develop skills, knowledge and competencies relating to the care and management of dogs, cats, rabbits and small animals. Students will have an opportunity to manage and care for a small animal.

GREAT OUTDOORS *02084* ***Not an NCAA approved course**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
CLASS FEE: $25.00

This course covers the basic concepts of wildlife ecology and fish management. Specific topics covered include career opportunities in wildlife ecology and fish management, history of wildlife ecology & fish management, big game in Wisconsin, species identification, and population management. Students taking this course will also study forest history, ecology, and tree identification while completing hands on projects. This course also gives students the opportunity to build their own fishing rod. Topics covered include:

1. Ecosystems and Biodiversity
2. Whitetail Deer Ecology
3. Fish Life History and Ecology
4. Mammal Life History and Ecology
5. Bird Life History and Ecology
6. Reptile/Amphibian Life History and Ecology
7. Forestry Management and Techniques

ART & DESIGN EDUCATION

See Career Example:

2-D FOUNDATIONS *03425*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None; "C" average or higher in 2-D Foundations is required for enrollment in all future elective art courses.
CLASS FEE: **$20.00**

2-D Foundations is a semester-long, introductory course. The course is designed to develop and enhance a person's technical and creative ability in the realm of two-dimensional art. Students will study and apply techniques to a variety of media including graphite, pen and ink, pastel, oil pastel, charcoal and acrylic paints. Emphasis will be on composition, form, value and color. 2-D Foundations is designed to give students a broad base of art, artists, and techniques that can be furthered in other courses.

3-D FOUNDATIONS *03426*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None; "C" average or higher in 3-D Foundations is required for enrollment in future elective art courses.
CLASS FEE: **$30.00**

3-D Foundations is a semester-long course. This course is designed to develop and enhance one's technical and creative ability. The focus of this course will be the introduction to, and study of, three-dimensional art forms. Students will learn the following hand-building techniques: pinching, coiling, and slab construction. They will also learn the basic throwing techniques used with clay work. Students will work with other three-dimensional art forms, which can include, but not limited to, paper, cardboard, plaster, wire and found objects. 3-D Foundations is designed to strengthen one's ideas, techniques, and vocabulary in all types of three-dimensional art forms.

DRAWING *03450A*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: 2-D Foundations with "C" average
CLASS FEE: **$20.00**

Drawing 1 is designed to further a student's interest and ability in the art of drawing. Composition, use of line and color are some ideas that will be covered in this class. Still life compositions, narrative drawings, landscapes, and portraiture are some topics that will be covered. The focus will be on the development and communication of one's ideas, using the stimulus of famous artists as the springboard for concept information. Resources for the course will be slides/presentations, art books, periodicals, local art museums and galleries, as well as Internet research.

PAINTING *03450B*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: 2-D Foundations with "C" average
CLASS FEE: **$20.00**

Painting 1 is a course designed to further one's technical and expressive abilities in paint. Students will experience the use of acrylic, watercolor, and oil paints in this course. The focus will be on the development of technical skill as well as the ability to communicate one's ideas. Research of artists and artistic movements will serve as the springboard for concept information. Resources for the course will be slides/presentations, art books, periodicals, local art museums and galleries, as well as Internet research.

MODERN ART *03452*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: 2-D Foundations with "C" average, Drawing I, Painting I, or Printmaking with "C" average
CLASS FEE: **$20.00**

Advanced Mark-Making is an upper-level course designed to challenge the traditional notions of what drawing and painting should be. Students will be enrolled in a rigorous course that promotes individual answers to visual problems set forth by the instructor in a manner that combines traditional and non-traditional mark-making techniques and materials on any and all projects. Students must take this course before they can enroll in Art: Studio.

PRINTMAKING *03455*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: 2-D Foundations with "C" average
CLASS FEE: **$20.00**

This is a semester long course where students will study the art of printmaking. Processes involving the techniques of relief printing, mono printing, and intaglio will be covered. Historical examples using these processes will be given as guides for the students' work. Projects will allow for personal expression, creative exploration, and problem solving.

POTTERY AND SCULPTURE I *03460*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: 3-D Foundations with "C" or higher
CLASS FEE: **$30.00**

This is a one-semester course. The focus of this course is to build upon the skills learned in 3-D Foundations. Students will be asked to create three-dimensional projects, which can include, but are not limited to, the following materials: paper, cardboard, plaster, wire, papier-mâché, clay and found objects. Projects in this course are designed to expand one's basic skills in construction and craftsmanship of three-dimensional art. Various techniques for decorating the surface of both clay and non-clay projects will be promoted in this class. The study of art history, aesthetics and design principles will supplement the studio work in this course.

POTTERY AND SCULPTURE II *03461*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Pottery and Sculpture I with a "B-" or higher
CLASS FEE: **$30.00**

This is a semester course where students refine their skills as potters and sculptors. This class is designed to be studio-based, where individuals are encouraged to explore materials and develop their personal style and philosophy regarding their work. During the semester there will be both teacher directed projects and student directed projects. This course is designed to assist students in developing a portfolio. Students are expected to be focused, serious and work independently as this class is intended to be studio-based.

ART: STUDIO *03490*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE FOR 2-DIMENSIONAL FOCUS: 2D Foundations and 2 of the following: Drawing I, Painting I, or Advanced Markmaking

PRE-REQUISITE FOR 3-DIMENSIONAL FOCUS: 3D Foundations, Pottery & Sculpture I and Pottery & Sculpture II

CLASS FEE: **$20.00**

Students enrolled in Art: Studio may work in painting, drawing, printmaking, sculpture, ceramics, photography, graphic arts and interdisciplinary studio. The purpose is to provide a forum for advanced students to develop their work, through individual and group critiques.

Art: Studio students are expected to: create a cohesive body of artwork that is strong in form and content; write, speak, research and present about art and artists, art criticism, visual culture, their own body of work in a professional manner; create a professional student portfolio; possess an advanced level of skills and knowledge pertaining to the chosen media, as well as art and design; develop works

with high quality of craftsmanship and explore advanced techniques; understand aspects of the field of art and the various careers and venues for artists.

DESIGN I *03480*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: 2-D Foundations
CLASS FEE: **$20.00**

This is a one-semester course designed to introduce students to the field of graphic design. Students will be introduced to the terminology of the professional field, and will complete projects which explore advertisement problems. Areas to be covered are illustration, logo design, and type and layout design strategies.

DESIGN II *03481*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Graphic Design with "C" average.
Class Fee: **$20.00**

This course allows students to enhance their skills in digital media to create professional graphic works in print and on-screen formats. Students will gain further knowledge of industry-standard design programs that further enable them to combine creativity with technology. The skills covered and assigned projects are intended to gear them toward a post-secondary education in graphic design. Areas covered are package design, sequential/time sensitive material, poster design, and other practical applications in today's technology driven society.

PHOTO I *03492*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 20 students
CLASS FEE: **$20.00**

This course is intended to develop basic skills in black and white photography, radio and television advertising, computer graphics, printing, and linear and non-linear video editing. The student will learn to choose subject matter for good photos along with the developing process to enhance their communications with others. A $20.00 fee is charged.

PHOTO II *03482*

COURSE TYPE: Elective
CREDIT: 0.5credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Photography & Communications
CLASS FEE: $20.00

This course extends the student's knowledge of the technical and artistic aspects of both digital and black and white photography. Students will work with both digital and 35mm cameras to create large and small exhibit quality prints. Professional software will be used to preprocess all digital work to ensure technically correct and well-composed photographs. Students will then learn how to create several different types of portfolios to display their work ranging from the traditional to multimedia slideshows and web pages.

The main objective of the curriculum in Advanced Photography are to develop in students the ability to: identify photographs with good composition; know how to take properly exposed photographs; implement the composition guidelines into their pictures; understand how light can affect the mood or theme of a photograph; prepare pictures for print and computer viewing; use image editing software to improve their pictures; operate various types of cameras to take quality photographs; apply their understanding of the guidelines of composition to evaluate other photographs; analyze a photograph and determine the conditions present when the photo was taken; evaluate photographs to determine what needs to be fixed; edited, and/or repaired; explain to others what needs to be manipulated within a digital photograph.

BUSINESS EDUCATION

See Career Example:

BUSINESS CONCEPTS *04100* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None

Have you considered starting your own business? The focus of this course is on how to create and operate your own business. Key topics will include entrepreneurial skills, ownership, marketing, advertising, location, and sales. Each student will complete a business plan. Teaching methods include case studies, guest speakers with entrepreneurial experience, lecture and team projects.

MARKETING: MARKET RESEARCH & PRODUCT DEVELOPMENT *04102*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVL: 10, 11, 12
PRE-REQUISITE: None

If you enjoyed Business Concepts, consider taking your learning to the next level with Advanced Business Concepts. This course will emphasize the world of eCommerce and online sales. Students will research a variety of methods to sell products online and put that research into action. The course will also highlight product descriptions, product photography, packaging and shipping. This is a hands-on course; you will learn by doing.

ECONOMICS *04103*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVL: 10, 11, 12
PRE-REQUISITE: None

This course emphasizes analysis of the American economic system as it relates to the individual and other economic systems. Specific units will cover microeconomic issues such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic issues will include money and banking, monetary and fiscal policy, international trade and comparative economic systems. We will be touching on the history of economic thought as well as current economic issues. The current uncertainty regarding the economy, make this an exciting and challenging course.

RETAIL OPERATIONS AND MANAGEMENT *04125* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
(Western Tech Course Credit: Quality Customer Service)

Retail is one of the largest job fields in the United States and is projected to grow 7 percent from 2014-2024. This class will train and prepare students who want to enter the retail career field. In this course we will cover several topics that are critical to this industry.

1. Researching Your Market
2. The Hiring Process
3. Inventory Operations (merchandising, buying, pricing, receiving, inventory)
4. Daily Operations (cash handling, housekeeping)
5. Accounting Basics
6. Promotion
7. Security
8. Personal Selling
9. Employee Training

Student will be using the school store as a training site and will be expected to work shifts before and after school, as well as during select home sporting events hosted in the gym. Participation in the student Marketing Association, DECA, is not required but extremely recommended. At the end of the course, students will have the option to take an exam to receive a retail certification.

ACCOUNTING I *04130*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None

Are you considering a career in business? Accounting knowledge is essential for someone starting his or her own business or majoring in business at a college or technical college. Get a head start by taking a high school accounting course.

This course provides an understanding of the basic elements of double entry accounting. Activities include the accounting equation, entering transactions in journals, posting to ledgers, and producing financial statements. Computerized accounting including spreadsheets are integrated into many of the activities.

ACCOUNTING II *04135* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Accounting I

This course is a continuation of Accounting I and the accounting cycle. This class may be offered during the regular accounting class so students must be able to work independently.

PERSONAL FINANCE *04140* **Western**

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 12
PRE-REQUISITE: None

The purpose of this course is to provide you with knowledge and skills to help prepare you for your roles as responsible adults. In Personal Finance decision making and setting lifestyle goals are explored, along with personal and family finances. This course will give you the opportunity to develop life skills for a successful future.

Topics covered include:

Personal Money Management and Loans
This course will focus on helping students understand how to manage their money through budgeting, and realizing the importance of saving for the future. Students will explore various types of savings and checking accounts. They will examine consumer credit and various housing options.

Personal Insurance, Tax, Estate Planning
The learner will explore the various types and importance of automobile, life, and health and disability insurance. The course reviews the income tax system and its relevance in financial planning. Estate planning techniques are also explored.

Personal Investing
Students will review the basics of personal investing. Bonds, stocks, and mutual funds will be evaluated as part of a personal investment plan. Various tools of retirement planning will be explored, including 401(K)'s, 403(B)'s, and IRA's.

INTRODUCTION TO MARKETING *04145* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
(Western Tech Course Credit: Professionalism & Success)

Interested in marketing and business but don't know where to start? Intro to Marketing represents the comprehension of the marketing concept and functions. Major concepts include segmentation, marketing mix, buyer behavior, decision support systems, consumer and business-to-business products, multicultural and global aspects, business ethics, and e-business. Marketing careers are explored.
For a student looking to get a good introductory experience to marketing, this is a great class for you!

MARKETING: SALES & PROMOTION *04150* **Western**
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Introduction to Marketing
(Western Tech Course Credit: Selling Principles)

Students in Marketing: Sales & Promotion will gain a basic understanding of what marketing is, as well as economics, selling, pricing, advertising and public relations. Students will learn these concepts through a variety of high-energy methods such as projects, videos, activities, and traditional classroom instruction. Marketing: Sales & Promotion gives students the unique ability to exercise their teamwork, creativity and business skills and is recommended for any student who plans to pursue a business career. Students will also have the opportunity to participate in DECA and the school store. Marketing is one of the careers on the rise in the United States and offers a lot of flexibility and a little something for everyone.

SPORTS & ENTERTAINMENT MARKETING *04155*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Marketing: Sales & Promotion OR Marketing: Market Research & Product Development

This semester course is designed for students with an interest in pursuing a career in the sports or entertainment marketing industry. Students will learn advance promotional concepts and will also focus on solving public relations and profitability problems in the industry. Units include stadium design and financing, licensing, endorsements, intellectual property rights, the music industry, the movie industry, the video game industry, sponsorship, and ethics/public relations. Students will have the opportunity to participate in DECA and the school store.

BUSINESS LAW *04160*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None

Business Law is a course for everyone. The course involves the application of legal practices in the business world. In addition to studying the development of law, the course discusses contracts, property ownership, employment relationships, consumerism, employment contracts, employee discrimination, commercial paper, landlord-tenant laws, laws that govern your own business, and a variety of other topics. Students will create projects and participate in-group work to show knowledge of topics. This course is recommended for any student who plans on owning his/her own business or would like to better educate himself/herself on business and personal law.

COMPUTER SCIENCE

See Career Example:

COMPUTER APPLICATIONS *05150* Western

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
(Western Tech Course Credit: Software Applications for Business)

Computer Applications introduces the student to word processing and spreadsheet functions in an integrated Google software suite. This course begins with basic skills for creating and editing word processing and spreadsheet documents and continues with advanced spreadsheet functions and commands. Spreadsheet applications will be directly related to solving business problems, formatting business information, and creating business reports.

We will also cover the following units this semester: Google Drive, Gmail, YouTube, iMovie, Social Media skills, Podcasting, Google Earth, and making a website on Google Sites. This course is transcripted with the Western TC Course: Software Applications for Business.

PROGRAMMING I: VISUAL BASIC *05155*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Algebra I or concurrent enrollment in Algebra I

This hands on Visual Basic training course provides a thorough introduction to programming including topics like variables, selection control structures, repetition control structures, logic and methods. The main goal of the course is to enable the students to create visual applications with Visual Basic by utilizing computer science strategies. Students will learn to build effective user interfaces with Visual Basic controls, forms, and other GUI components. Students will also receive an introductory understanding of the Visual Basic language. Students will learn the use of the debugging and testing tools available in Visual Studio. The course also includes an introduction to object-oriented programming techniques.

PROGRAMMING II: ADVANCED VISUAL BASIC *05160*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Programming I: Visual Basic

This course continues the learning of programming through Visual Basic. Students will continue using Visual Basic, computer science principals, and programming structures to build applications. Students will learn more advance programming structures such as lists, arrays, recursion, and functions.

PROGRAMMING III: C++ *05165*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Programming II: Adv Visual Basic

Students will apply their current programming knowledge into learning a new language and its syntax, C++. They will write detailed programs using C++ with programming structures they should already be familiar with: variables, selection control, repetition, methods, etc.

PROGRAMMING IV: JAVA *05167*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Programming III: C++

Students will acquire a better understanding of object-oriented programming by utilizing the Java language. Most businesses use Java or a similar high level language. Students will be using programming to problem solve and complete numerous programs throughout the course. These programs will have great variety ranging from common math problems to real life situations.

WEB DESIGN *05170*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

The Internet is experiencing exponential growth. Much of that growth is attributable to the ease of web page creation. This course presents the principles for planning and designing attractive and informative Web sites. We cover how to use the HTML language to create content and structure of a webpage. Next we learn CSS in order to add style. Finally, we will introduce JavaScript, which gives life to our websites.

APP DESIGN I *05171*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

Designed for students who want to learn the basics of seqential and object-oriented programming, basic data structures, and a solid understanding of how an iOS app is constructed. They will learn how iOS applications are designed and developed, and use those skills to create several working applications.

APP DESIGN II *05176*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11 12
PRE-REQUISITE: APP DESIGN I

App Design II will pick up right where App Design I leaves off and students will continue to develop more complex applications. Topics to be covered in this class will be coding loops, creating apps that access camera, composition, location services, as well as introduction to app gaming. The apps to be completed by the students will be: "Rock, Paper, Scissors", "Pizza Hunter", "Pong", "Breakout", as well as the opportunity for students to build their own app.

ADVANCED PROGRAMMING – SOFTWARE DESIGN I *05185* **UW-L**

COURSE TYPE: Elective
CREDIT: Dual credit is available through UW-L
1 credit from WSHS; 4 college credits from UW-L
GRADE LEVEL: 11, 12
PRE-REQUISITE: Must meet all of the requirements as determined by UW-La Crosse
26 or better composite score on April ACT
Seniors must rank in upper 25% of the class after 5 semesters;
Juniors must rank in the upper 10% of their class after 3 semesters
COURSE FEES: A per-college credit fee is required, i.e. 4 credits at $50.00 = $200.00
Parents of students taking this course will receive a letter in the fall with the current per-college credit fee and amount due.
APPLICATION: Applications to UW-La Crosse will be completed in the spring for the following School year.

An introduction to the fundamentals of software development; including software classes, objects, inheritance, polymorphism, logic, selection control, repetition control, subprograms, parameter passage, and rudimentary software engineering techniques. Students complete numerous programming projects using the modern programming language of Java.
***This course meets entrance requirements for UW-La Crosse.**

INFORMATION PROCESSING I *04105*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

As computers invade our world, a familiarity with the keyboard is crucial. This beginning course is strongly recommended for anyone who needs to build his or her keyboarding skill. In addition to learning the alphabetic keyboard, you will also be exposed to composing at the keyboard and a variety of document formatting (such as business letters, envelopes, reports, memos, and tables).

ENGLISH LANGUAGE ARTS

See Career Example:

English 9 and 10 emphasize the basic skills of language and writing so that these skills can be applied to the more advanced writing utilized in English 11 and 12.

ENGLISH 9 *08200*
COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 9
PRE-REQUISITE: None

English 9 is the first required course that students take at West Salem High School. English 9 stresses base strategies for mastery of basic communication skills including writing, reading, speaking, and listening.

In this class, student will learn strategies for taking standardized tests as well as for writing proficient essay responses. Emphasis in literature is based on acquiring a reading habit as well as setting a personal reading program. Close reading is taught and required. Students are expected to evaluate articles, novels, dramas and essays as well as utilize those pieces to begin understanding human nature and their place in the world.

Writing emphasis is on the development of the essay and research writing as well as realistic fiction and how to organize longer pieces. Students will complete several essays including informational, extemporaneous, and argumentation; a realistic fiction piece; and a promptbook.

English 9 is a skill-developed course based on the Wisconsin Common Core Standards. Utilizing these strategies will aid in student success for the remainder of the four years at West Salem High School.

ENGLISH 10 *08210*
COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 10
PRE-REQUISITE: None

English 10 focuses on four areas of study: reading, writing, speaking and listening.

English 10 seeks to instill an understanding of, and an appreciation for literature composed in a variety of styles by authors representing different cultural backgrounds. Literature and analysis includes: the novel, the short story and informational text and epic poetry.

Writing is an essential part of English 10. As such, writing is integrated with literature in the form of critical analysis. The study of grammar, usage, mechanics and formal composition enables each individual student to strengthen performance.

At this level special emphasis is given to developing and practicing the skills necessary for effective public speaking and listening. The student presents at least five formal and/or informal speeches during the year, including: personal narrative, informative, and persuasive. In addition to accepting critiques by the teacher, students also participate in composing self and peer critiques.

ENGLISH 11 *08220*
COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 11
PRE-REQUISITE: None

Junior English is the third level of a sequential English curriculum addressing the areas of reading, writing, speaking and listening. This course integrates the reading and study of classic American literature with an examination of corresponding contemporary issues.

Students in Junior English can expect to read a sampling of influential American short stories, poems, dramas, and novels beginning with the early puritan and revolutionary writers and highlighting the major shifts in literary techniques, styles, and subjects throughout America's literary history.

Junior English requires students to review and demonstrate a mastery of grammar, usage, and mechanics by writing various practical and analytical compositions. The required compositions include, but are not limited to, the following: personal reflective writing, expository and persuasive essays, and a literary analysis paper, along with practical writing such as formal letters and memos. Public speaking skills are also reviewed and practiced through a variety of informal and formal class presentations.

Junior English also directs students to focus on the future by providing career exploration opportunities. Additionally, students get hands on opportunities for using technology for research and communication. Overall, this course is designed to help students become well-rounded lifelong readers, learners, critical thinkers, and effective communicators.

COLLEGE PREPARATORY ENGLISH *08230*
COURSE TYPE: Required (or English 12 or ENG 110)
CREDIT: 1 credit
GRADE LEVEL: 12
PRE-REQUISITE: None

TEXTS:
The English Tradition in Literature, a Prentice-Hall literature anthology
Hamlet, ed. Eisenstat, the Harcourt Brace Jovanovich Shakespeare Series
Riverside Reader, Trimmer, et al.
Patterns for a Purpose, 5th ed., Clouse

One strand of College Preparatory English emphasizes composition; particularly the kinds of writing that will prepare you for college course work. The course will include practice in various rhetorical modes and in strategies that involve writing as a recursive process. During this course of study, you will be introduced to writing models that emerge from social contexts with which you are familiar and that will empower you to use writing as a way to explore, develop and give shape to your own ideas. This course of study will include diction, usage, sentence structure and stylistic considerations.

The other strand of this course will acquaint students with enduring works of the English language, emphasizing the study of literature not only as a craft and art form, but also as a way to more fully appreciate the range of human experience and the connections between self and world. The use of journaling and other forms of written and spoken dialogue will be important components in our study to help you better appreciate the intellectual stimulation and emotional enjoyment that literature provides.

ENGLISH 12 *08235*
COURSE TYPE: Required (or College Prep English or ENG 110)
CREDIT: 1 credit
GRADE LEVEL: 12
PRE-REQUISITE: None

English 12 is designed to meet the needs of students who are preparing for either immediate job placement after high school or perhaps technical education. Its emphasis is on those basic skills of reading, writing, thinking, and listening that will pertain to the student's life and the world of work.

Critical thinking and analytical writing strategies will be taught as students apply themselves to reading and writing informative and research based essays. Writing business forms and letters is also covered. Grammatically, students will refine and hone their skills with the use of sentence combining and usage review. In this course students will also complete the thesis-driven research paper component of the Senior Exit Project.

A lifetime reading habit is encouraged through the class, actively participating in the reading of various types of literature, including novels, stories, essays and poetry.

ENGLISH 110 *08232* **UW-L**
COURSE TYPE: Elective (in place of English 12 or College Prep English)
CREDIT: Concurrent enrollment is available through UW-L
1 credit from WSHS; 3 college credits from UW-L
(UWL Course Name: Introduction to College Writing I)
GRADE LEVEL: 12
PRE-REQUISITE:

- Must meet all of the requirements as determined by UW-La Crosse
- 26 or better composite score on March ACT
- Seniors must rank in upper 25% of the class after 5 semesters;
- Juniors must rank in the upper 10% of their class after 3 semesters
- Student must pass a pre-English placement test administered by UWL (with a score of 356 or better)

COURSE FEES: **$50 per credit; This is a 3 credit course (Drop Fee: $50)**

APPLICATION: Applications to UW-La Crosse will be completed in the spring for the following School year

This course in composition addresses writing as a symbolic action that writers participate in for multiple purposes, with diverse audiences, and in various genres. It emphasizes writing as a thinking process through the learning and practice of rhetorical strategies for inquiry, persuasion, and collaboration in context.

English 110 students will be expected to handle a heavier reading and writing load of challenging intellectual subject matter. English 110 students must also write an academic research paper.

BASIC NEWS WRITING *08240*

COURSE TYPE: Elective
CREDIT: 1 credit (Year Long)
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

This course is for students at any grade level who have not had a previous year of high school applied writing or journalism. It is hoped that students, grade 9-12 (particularly underclassmen and those who enjoy writing and seeing their work in print), will elect to take this course so that they can come to positions of responsible leadership and publication on the school's publication staffs (the *Panther Prowler* student newspaper and *Neshonoc* yearbook). Student-written stories will be published in school publications, as wells as in the local newspaper, the *Coulee Courier*. Students will be expected to complete news stories on a weekly basis, in addition to mastering the textbook course of study on press rights and responsibilities and other news writing-related issues.

ADVANCED NEWS WRITING *08245*

COURSE TYPE: Elective
CREDIT: 1 credit (Year Long)
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Basic News Writing or instructor's consent

This course is geared to students who have completed the basic course in Applied Writing and wish to continue their pursuit of journalism, work on the newspaper and/or the yearbook. Work in the class will focus on advanced news writing, and the assigned "beats" will be those of greatest emphasis in the school and community. Students, many of whom will step into the roles of publications editors, will be expected to exhibit a greater command of writing and editing skills in general.

MULTIMEDIA STORYTELLING: BROADCASTING *08239*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

As students navigate through a media rich environment, a strengthened sense of media literacy is essential. The focus of this course is developing multimedia content that demonstrates an understanding of the principles of journalism. Students will be asked to create broadcast packages that are both content driven and visually engaging. Projects in this course are designed to build a respect for the rights, responsibilities, and opportunities of storytellers in a digital media world including: audience analysis, content decisions, pre-planning processes, scripting, on camera interviews, shooting, lighting, audio, and editing.

VOCABULARY *08250* *(Offered every other year 2022, 2024, 2026 etc.)*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: English 9

This class will help to increase vocabulary for use in conversation and writing. It is especially useful for students who plan to attend technical school or college after graduation. Special attention is given to those words used in classic literature and in aptitude, merit or scholarship testing.

This course is open to sophomores, juniors and seniors.

SPEECH/CST110 *08260* **UW-L**
COURSE TYPE: Elective
CREDIT: Concurrent enrollment is available through UW-L
1 credit from WSHS; 3 college credits from UW-L
(UWL Course Name: Communicating Effectively)
GRADE LEVEL: 11, 12
PRE-REQUISITE: Must meet all of the requirements as determined by UW-La Crosse
26 or better composite score on April ACT
Seniors must rank in the upper 25% of the class after 5 semesters
Juniors must rank in the upper 10% of their class after 3 semesters
WSHS only credit candidates must have completed English 10

COURSE FEE: **$50 per credit; This is a 3 credit course (Drop Fee: $50)**

APPLICATION: Applications to UW-La Crosse will be completed in the spring for the following School year.

CST110 is a college-credit version of the speech class formerly offered at WSHS. Because this is a yearlong semester course (3 college credits), students should expect a heavier reading/writing and speaking load of challenging subject matter.
The student should anticipate work might extend beyond the course hours. Additional responsibilities of this course might include but not be limited to attendance at UW-L speech labs, building community relationships, etc. This course will introduce and build the skills necessary to become effective communicators in a highly diverse society. Students will develop speaking, relational and listening skills as they are exposed to the communication areas of interpersonal, group/teams and public communication. The course is highly recommended for post secondary options.

WORLD LITERATURE *08265* *(Offered every other year 2023, 2025, 2027, etc.)*
COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: English 9 or teacher recommendation

This advanced literature course will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry, and drama from around the world. The focus of the course will be on intensive reading and discussion of world literature, as well as on introducing secondary critical essays for discussion and evaluation.

The course is intended to provide students with an academic experience parallel to that of a college level literature course. This course will also include a writing component that focuses on expository, analytical, and argumentative writing about the literature through both discussion and essay format. Students are expected to be active readers as they analyze and interpret textual detail, establish connections among their observations, and draw logical inferences leading toward an interpretive conclusion. Students will be given a syllabus and summer reading list prior to taking this course. Students will be given a test on the first day of class, and those who do not pass the test will not be allowed to remain enrolled in the course.

Students will read, write and discuss poetry, fiction, and drama at an advanced college level while using both online and printed resources to develop skills including sophisticated use of literary elements and terminology, close readings of various texts, creating, drafting, and editing college-level analytical essays, preparing and writing timed essays, and advanced use and mastery of standard English.

CREATIVE WRITING *08270* *(Offered every other year 2022, 2024, etc..)*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: English 9

Through a variety of prewriting, drafting and post-writing activities, students experience the creative writing process from discovery to final draft. Small and large group discussions center around modern writing styles and other aspects of creative writing within the genres.

Peer and teacher conferencing, as well as self-evaluation are used to improve critical and objective reading, proofreading, and editing skills.

POETRY *08275* *(Offered every other year 2023, 2025, 2027, etc.)*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

Learn how poets harness the power and beauty of language. Students in this course will closely read and analyze poetry for form, structure, language, and content, placing it in the context of world issues and human understanding. Additionally, we will collaborate in a writing community, participating in writer's workshops and conversing with guest speakers. Final assessments include a portfolio of original poetry and state reading.

See Career Example:

BASIC FOODS *06300*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
CLASS FEE: **$20.00**

Students enrolled in Basic Foods will learn about food necessary for a healthy lifestyle. While taking this course, students will develop skills using kitchen equipment, following recipes, and in preparation procedures. These skills will be put into practice during food preparation labs. Meal planning and implementation will be demonstrated through breakfast, lunch and dinner labs throughout the semester. Topics covered include:

1. Nutrition & Positive Food Habits
2. Kitchen Safety Principles
3. Recipe Skills
4. Food Preparation Techniques
5. Cooking Methods
6. Baking

LIFETIME ESSENTIALS *06305*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
CLASS FEE: **$10.00**

This course is designed to prepare students in decision-making and skills needed for living on their own. Students enrolled in this class will learn about personal well-being, making food buying choices, basic food preparation, and choosing an apartment. Making wise consumer purchases and managing personal expenses will also be studied. The following topics will be covered in detail throughout the course:

1. Personal wellness
2. Managing resources – time and money
3. Personal income – paychecks, checking accounts and budgets
4. Renting an apartment
5. Furnishing an apartment
6. Foods –planning, purchasing and preparing

ADVANCED FOODS *06315*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Basic Foods with a "B" or better
CLASS FEE: **$20.00**

Students who have completed Basic Foods will be able to expand their knowledge of food and their food preparation skills. Advanced food preparation techniques, recipe choice and use, and meal planning are included in Advanced Foods. Students who are considering a career in the hospitality or the food industry will definitely benefit from this class. The following topics will be covered in this course:

1. The Amazing World of Food
2. Kitchen Safety
3. Food Preparation Terms
4. Cooking Methods
5. Food Combinations (sandwiches, pizza, salads, casseroles)
6. Breads
7. Meal Planning
8. Foods of the World

CULINARY ARTS – PROSTART *06316*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Basic Foods with a "B" or better and STRONG post secondary interest in the culinary field career path

Culinary Arts is a program designed for students who are serious about pursuing a career in any aspect of the food service industry or for students who are highly interested in an advanced education Culinary Arts. In this course, students will continue building a board-based, well-rounded knowledge of food service and restaurant management. When students successfully complete the program, they will receive certification from the National Restaurant Association. This certification could provide students with articulated college credit or advanced standing opportunities at some colleges. The curriculum is aligned with the ProStart program, a nationally recognized organization that offers students the chance to compete at state and national competitions, and earn scholarship money.

INTRODUCTION TO EARLY CHILDHOOD EDUCATION *06330* *(Offered every other year 2023, 2025 etc.)*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: None (*Strongly suggest Child Development before this class)*

Child development and guidance are studied with an emphasis on how childcare is provided both in the home and in professional child care settings. Students considering a career in childcare, or in a related field such as health care or education, will benefit from enrolling in this course. The knowledge and skills acquired in this course will also be of value to students who wish to better prepare themselves for the important career of parenting.

The following topics will be covered in this course:

1. Child Care Center Environment
    a. Rules and regulations
    b. Licensing
2. Child Care Center Classroom
    a. Health and Safety
    b. Equipment and Toys
    c. Arranging the classroom
3. Guiding Children
    a. Discipline in the classroom
4. Curriculum
    a. Activity areas
    b. Lesson plans
    c. Transitions

This course may include an opportunity to spend some time in an elementary school classroom.

CHILD DEVELOPMENT *06335* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None

Child Development has been designed to help you learn as much about children as possible. Healthy prenatal development and the birth process are covered in depth. Infant and child health care, as well as emotional, intellectual, and physical development of the child are studied. Social activities play activities, learning activities, home safety, nutrition, heredity, and environmental health practices are discussed in relationship to the child's growth and development. Planning and implementing activities with small children will be included in this course. Each student is required to successfully complete the Baby Think It Over project – an infant simulator. Child Development will provide students with a strong understanding of the process of growth and change in children, beneficial to those planning to raise children or interested in working with children as a career.

HOUSING & INTERIOR DESIGN *06340*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

Students enrolled in Housing and Interior Design will learn about housing needs now and in the future. Discover how to select and furnish a place to live. You will also complete various projects as part of your learning experiences. Topics covered include:

1. Housing Needs
2. Universal Design
3. Technology in Housing
4. General Construction
5. Housing Styles
6. Careers in Housing
7. Designing Homes/Floor Plans
8. Landscaping
9. Building Laws & Regulations
10. Elements of Design
11. Color
12. Principles of Design
13. Choosing Backgrounds
14. Arranging Furniture
15. Lighting & Accessories

LEADERSHIP

See Career Example:

PRINCIPLES OF LEADERSHIP *13898*

COURSE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

This course will bring out the best in you! EVERYONE has the ability to be a leader. Principles of Leadership is structured to provide opportunities and skills to bring out the leader in you. Based on the Servant Leadership model, students will learn skills to deal with difficult situations and will learn how to foster positive interactions in all aspects of life.

See Career Example:

Students who are interested in taking TWO math classes (doubling up) MUST meet the following requirements:

- **An A- at the end of the second semester for Algebra I and teacher approval.**
- **Students can only take Geometry and Algebra II at the same time.**

Please contact the Math Department with any questions.

PRE-ALGEBRA *09500*
COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 9
PRE-REQUISITE: None

In Pre-Algebra students will apply the four major operations of addition, subtraction, multiplication, and division to whole numbers, real numbers, decimals, fractions, and percents. The students will calculate perimeter, area, and volume of two and three-dimensional figures. The students will solve proportions, linear equations, linear inequalities, average problems, exponential and root problems and apply techniques that will prepare them for Algebra I.

ALGEBRA I *09510*
COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

Algebra I is a complete introductory algebra course. Algebra I will prepare students for further math study. Topics covered: Algebraic terminology, solve, graph and write linear equations, quadratics, polynomials and powers. NOTE: C- or better 2nd semester is needed to take Algebra II.

GEOMETRY *09520*
COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Algebra I

Geometry is the branch of mathematics that deals with shapes and forms. It is also the course in which students get an intensive introduction to proof in mathematics. Geometry is necessary for the understanding of higher mathematics and it also has many practical applications as well.
*Students who complete Geometry are ineligible to take Advanced Math Topics, unless approved by

the math department.

Topics covered in this course include:

1. Inductive and deductive reasoning
2. Triangles
3. Parallel and perpendicular lines
4. Polygons
5. Congruence and similarity
6. Angles
7. Numerical trigonometry
8. Coordinate or analytic geometry
9. Circles

ALGEBRA II *09530*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Algebra I and Geometry, or concurrent enrollment in Geometry
C- or better 2nd semester of Algebra I, or their Algebra I teacher's approval

Algebra II is an advanced mathematics class that reinforces and expands upon those skills and problem-solving methods introduced in Algebra I and Geometry. Course content will focus on obtaining skills and developing patterns for solving higher order equations and utilizing those equations to model real world situations. Investigations will be made into the nature of the real and complex number systems and skills will be developed to pave the way for success in higher-level mathematics courses. Algebra II is geared toward the highly motivated student who intends to pursue further studies at a 2-year or 4-year college or university.

ADVANCED MATH TOPICS *09535*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Algebra I & Geometry

This class covers a broad range of topics in the areas of advanced Algebra, Trigonometry, Probability and Statistics. This class is an excellent choice for those students who have earned credits in Pre-Algebra, Algebra 1 and Geometry and are looking for one more math class to complete. The curriculum of the class closely follows the standards that are set by the ACT exam. This course does not meet the requirements for an Algebra II credit.

INTRODUCTION TO STATISTICS AND PROBABILITY *09559*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Algebra I & Geometry

An introduction to statistics and probability where students will summarize, represent, and interpret data using statistical and probability measurements and also make inferences, justify conclusions and make decisions based on those measurements.

PRE-CALCULUS WITH TRIGONOMETRY *09540*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Algebra II
C- or better both semesters of Algebra II, or their Algebra II teacher's approval

Pre-Calculus with Trigonometry will emphasize trigonometry, matrices, vectors, statistics, sets, proof in trigonometry, analytic geometry, complex numbers, polar coordinates, logarithms, exponents, linear and quadratic equations.

ADVANCED PLACEMENT CALCULUS AB *09550*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Pre-Calculus with Trigonometry
C- or better both semesters of Pre-Calculus with Trigonometry, or that teacher's approval

This class is comprised of pre-calculus topics and Calculus I topics. The pre-calculus topics are integrated with Calculus I topics throughout the year. Topics studied will be applied to the following types of functions: algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric functions. This course has been designed to be a slower pace, more manageable calculus course. After completing this course, students will be very prepared for a college level Calculus I course, or students may even be placed at a Calculus II level course pending their placement scores.

MUSIC EDUCATION

See Career Example:

MUSIC APPRECIATION *10400* *(Offered every other year (e.g. 2018,2020, etc.)*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

The first 8-9 weeks of this course will be spent developing keyboarding (piano) skills. During the second half of the semester we will develop an appreciation of music through its history. We will travel through all of the time periods of music dating back to 1500 and travel through to current music.

INTRODUCTION TO THEATRE *10402*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

This semester course will offer students an opportunity to study a general overview of theatre. Topics include: acting, directing, playwriting, stagecraft, design, costuming, technical aspects and theatre history. Students involved in the class will have an opportunity to apply their knowledge with hands-on experience in the Heider Center for school and professional productions.

THEATRE ARTS *10403*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Introduction to Theatre

This course will be offered 2nd semester each year and will focus on theatre history and plays from the significant time periods in theatre history. The curriculum will include 4 different sets of plays and musicals from each time period, so that students who have an intense interest in theatre could potential take the course up to 4 times in high school. In addition, students will be given the opportunity for additional study in their specific area of interest, i.e. stagecraft, acting, directing, etc.

BAND

(**S1:** *Band 10410/Color Guard 10412* ***S2:*** *Concert Band 10411/Wind Symphony 10415)*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Previous Playing Experience *(Lessons are required)*
FEE: $55.00 total ($15.00/year +$40.00 one-time fee for marching shoes & gloves)

This class provides an opportunity to learn varied styles, interpretations and techniques through the study and performance of solo, small ensemble, concert band, pep band and marching band literature.

A varied repertoire will provide opportunities for the readiness to appreciate cultural differences and to develop a discerning ear for music from pop/rock to the classics.

Auditions are held 1st term to determine which ensemble students will be placed (Wind Symphony or Concert Band) for 2nd term as well as 2nd semester.

Uniform cleaning fee: ***$15.00;*** One-time fee for marching shoes and gloves***: $40.00***

VOCAL MUSIC *(Mixed Choir 10420/Concert Choir 10422)*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
FEE: $10.00

Lessons and performances are required. Vocal technique drills for the development of the individual singer's music skills (pitch and rhythm reading). There is a uniform cleaning fee of **$10.00** for Mixed Choir and Concert Choir.

Concert Choir is an auditioned group. Concerts are required for both the Concert Choir and Mixed Choir. The Varsity Concert Choir will consist of auditioned singers only, and will meet everyday. Concert Choir will meet every other day and earn .5 for the year.

Music selection based on aesthetic needs of students as well as music period studies. Music of the renaissance to current composers as well as lighter "pop" selections are learned and used in performance. Emphasis is on developing good choral techniques for rehearsal and performance.

PHYSICAL EDUCATION & HEALTH EDUCATION

See Career Example:

FRESHMAN PHYSICAL EDUCATION *11600*

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 9
PRE-REQUISITE: None
COURSE FEE: **$15**

Freshman physical education requires students to take a full semester of fitness. This unit will help students better understand their personal capabilities in physical fitness and will enable them to use basic knowledge in topics such as cardiovascular endurance, flexibility, body composition, muscular strength and endurance in establishing a personal fitness program.

SOPHOMORE PHYSICAL EDUCATION *11610*

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 10
PRE-REQUISITE: PE9

Sophomore physical education requires student involvement in content areas that reinforce as well as introduce new concepts for individual and team sports. These activities include: speedball, tennis, volleyball, badminton, ballroom dancing, softball, flag football and floor hockey.

HEALTH EDUCATION *11650*

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 10
PRE-REQUISITE: None
COURSE FEE: **$5** for CPR/First Aid Certification

This lecture/discussion class will refer to the text Glencoe Health as well as supplementary materials from the Health Smart curriculum. These resources along with class notes, videos and activities will help form a well-rounded health experience for students. Quizzes, tests and various projects will be an integral part of the class. Grading will be based on total points accumulated for the work done. The following topics will be covered: stress and teen suicide, nutrition, diet analysis, eating disorders, growth and development, drugs and alcohol, and first aid. The health curriculum is available for parent preview.

LIFETIME ACTIVITIES *11635*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: PE9, PE10
COURSE FEE: **$40.00** for bowling

During this course students will participate in several health-enhancing activities that can be pursued

throughout their lifetimes. This class will focus primarily on developing the skills and strategies necessary to participate at a recreational or competitive level. Activities may include but are not limited to: tennis, golf, Frisbee golf, archery, badminton, pickle ball.

TEAM SPORTS *11637*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: PE9, PE10

Students electing to participate in Team Sports will gain a greater understanding of the skills, concepts and intensity needed to play each sport. Team Sports will offer but is not limited to the following team games: flag football, speedball, softball, lacrosse, volleyball, basketball and floor hockey.

SHAPING & TONING *11640*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: PE9, PE10

Shaping and Toning is designed to help students improve and/or maintain a health-enhancing level of physical fitness through a combination of teacher-directed and student-directed workouts. During this course students will assess and monitor their physical fitness while designing and implementing a personal fitness program. Activities typically will include but are not limited to: circuit training, interval training, hill training, weight lifting and body weight resistance training.

STRENGTH TRAINING *11641*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: PE9, PE10

Developing a personal fitness plan and increasing total body strength will be the primary focus of this class. The majority of class time will be spent learning the correct technique to perform a variety of strength and power exercises to improve overall strength. This course will also introduce students to a variety of speed training exercised to supplement strength training to also improve speed and quickness. This class will work on the anaerobic portion of fitness as its primary goal.

ADVANCED FITNESS *11645*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Completion of Strength Training or Shaping & Toning with a "B" or higher
RESTRICTIONS: Class size limited to 24 students

During this course the student will take prior knowledge of fitness and strength training and develop and implement their own fitness program. Each student will be required to provide a training journal along with a training program that they have created following the F.I.T., Overload, and Specificity principles. In addition, they will need to incorporate some aspect of cardiovascular training into each weekly routine.

ADVANCED TEAM SPORTS *11646*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Completion of Lifetime Activities and/or Team Sports with a "B" or higher

The students will be given an opportunity to be part of a team and react together through sports activities. They will also experience lifetime sports that can be enjoyed beyond high school years to continue life-long fitness. Activities may include but are not limited to: basketball, field hockey, flag football, floor hockey, kick ball, lacrosse, softball, speedball, soccer, team handball, ultimate Frisbee, volleyball.

Students in Advanced Team Sports will be introduced to the sports education model. Students will be involved in making decisions on how the games will be played, coached and officiated. For example, students will be asked to research rules that govern the game, develop practice plans and formulate tournaments.

OUTDOOR EDUCATION *11647*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 12
PRE-REQUISITE: Must be fourth PE Class
COURSE FEE: $5.00 for CPR/First Aid Certification

Students choosing to take Outdoor Education will gain an appreciation for the outdoors as well as gaining lifetime fitness activities. Students will be introduced to a number of lifetime activities Wisconsin has to offer. These activities may include but are not limited to: orienteering, cross country skiing, snow shoeing, outdoor survival, hiking, canoeing, first aid and CPR, archery, fly fishing, camping.

INTRODUCTION TO SPORTS MEDICINE *11649*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Anatomy & Physiology

Designed for students who are serious about pursuing a career in any health field. Students will be exposed to exercise physiology as it pertains to athletic movement, as well as analysis and biomechanics of movement. There will be an introduction to entry level athletic training and exposure to occupations in the health and science field, including personal training as it pertains to chronic disease prevention.

OFFICIATING AND COACHING YOUTH SPORTS *11648*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Must be fourth PE Class

During this course students will learn how to officiate a variety of sports. They will also learn the proper mechanics and enforcement of the rules according to the WIAA. Each student will be certified as a WIAA official in two different sports by the end of the class and have the basic knowledge to coach a youth sport. This class will introduce students to many aspects of coaching and officiating, including but not limited to the following topics: sport strategies, philosophy, conflict resolution, ethics, basic sports first aid and CPR, team management, motivation, out of season training, sports nutrition.

SCIENCE

See Career Example:

PHYSICAL SCIENCE *12700*

COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 9
PRE-REQUISITE: None

Physical Science provides students an opportunity to survey their physical environment. Emphasis will be placed on laboratory experience, problem solving, application of scientific theory and application of mathematics. All physical science students will research a science topic, perform a controlled experiment and report results as part of a yearlong science project. Topics of class discussion will include:

1. Scientific method, mass, metrics
2. Properties and models of matter
3. Periodic table
4. Compounds, bonding, chemical equations and reactions
5. Acids, bases and organic compounds
6. Electricity & magnetism
7. Newton's Laws of Motion
8. Force, work, simple machines
9. Wave motion, sound, light, radioactivity

BIOLOGY *12710*

COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 10 (9 *see note)
PRE-REQUISITE: Physical Science (*can take concurrently with Physical Science with teacher recommendation)

The class with use an inquiry or experimental approach to the study of life. The course content will deal with scientific process, basic biochemistry, cell structure and metabolism, cell reproduction, genetics, evolution, ecology, taxonomy, plants, invertebrates, vertebrates, and an overview of the human body. Emphasis of these topics will be applied through homework, projects, activities, experimentation in the laboratory, current events, and outside journal articles.

Freshmen can take concurrently with Physical Science upon teacher recommendations based on 8th grade math and science grades.

CHEMISTRY *12720*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science and Biology (*can take concurrently with Physical Science or Biology with teacher recommendation)

Chemistry is an elective science course intended for those interested in careers in science or health fields as well as those considering a 4 year college or 2 year technical school. Chemistry is a fast-paced course which integrates science theory, mathematical calculations, and laboratory experiences.

Topics covered in Chemistry include:

1. The experimental nature of science
2. Nuclear chemistry
3. Electron modeling and the periodic table
4. Intramolecular forces
5. Moles
6. Chemical Changes
7. Stoichiometry
8. Intermolecular forces
9. Thermochemistry
10. Equilibrium
11. Acid and base theory

It is recommended that students enrolling in chemistry have successfully completed Algebra I, Geometry, and have completed or are concurrently enrolled in Algebra II.

CHEMISTRY 103 *12730* UW-L

COURSE TYPE: Elective
CREDIT: Concurrent enrollment is available through UW-L
1 credit from WSHS; 5 college credits from UW-L
(UWL Course Name: General Chemistry)
GRADE LEVEL: 12
PRE-REQUISITE: Chemistry
Concurrent enrollment in mathematics or the completion of Algebra II.
Must meet all of the requirements as determined by UW-La Crosse
26 or better composite score on April ACT
Seniors must rank in upper 25% of the class after 5 semesters;
Juniors must rank in the upper 10% of their class after 3 semesters

COURSE FEES: **$50 per credit; This is a 5 credit course (Drop Fee: $50)**

APPLICATION: Applications to UW-La Crosse will be completed in the spring for the following School year

The following topics are covered in our CHEM103 course:

1. Matter and measurement
2. Atoms, molecules, and ions
3. Stoichiometry: calculations with chemical formulas and equations
4. Inorganic nomenclature
5. Aqueous reactions and solution stoichiometry
6. Thermochemistry
7. Electronic structure of atoms
8. Periodic properties of the elements
9. Basic concepts of chemical bonding
10. Molecular geometry and bonding theories
11. Organic nomenclature
12. Gases
13. Intermolecular forces
14. Colligative properties
15. Nuclear chemistry

ADVANCED CHEMISTRY *12735*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Chemistry - Concurrent enrollment in mathematics or the completion of Algebra II.

Advanced Chemistry is designed for students who have successfully completed Chemistry and will be enrolling in college science courses. The course will review many topics from first year chemistry and address advanced topics from other college chemistry courses.

Students will spend time in both the classroom and the laboratory. Experiments will illustrate many of the above topics. In addition, some consideration is given to the role of chemicals in our daily lives.

1. Review of Chemistry I
2. Equilibrium, acids, bases, salts, and buffers
3. Oxidation-reduction reactions
4. Electrochemistry
5. Thermochemistry
6. Organic Chemistry
7. Biochemistry

ANATOMY AND PHYSIOLOGY *12740*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science and Biology (*can take concurrently with Physical Science or Biology with teacher recommendation)

This is a human anatomy and physiology course intended for students pursuing a college career in the health sciences. The human anatomy and physiology concepts emphasize major organ systems, focusing on anatomical organization, histology, and some biochemistry. The students will be using medical terminology to enhance understanding of anatomy topics. An individual research paper and presentation, homework, laboratory experiments, and tests comprise the final grade. This is an advanced science course with a brisk pace; an individual needs to be disciplined and diligent in their work.

ENVIRONMENTAL BIOLOGY *12745*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Biology I (*can take concurrently with Physical Science or Biology with teacher recommendation)

Environmental Biology is a course that enables students to develop an understanding of the natural environment and the environmental problems the world faces. This class will provide an overview of ecological concepts and integrate various social, economic, technical, and political issues. Particular emphasis will be placed on local environments with several trips to the school forest. The following topics will be covered:

1. Cycles in nature
2. Biomes
3. Water and air pollution
4. Growth of human population
5. Natural resources
6. Energy sources and their use
7. Human interaction with the environment
8. Land use
9. Food supplies
10. Pesticide use
11. Personal and civic responsibility
12. Current issues

Students will develop a basic understanding of ecology and a basis for making ethical decisions and career choices.

AP ENVIRONMENTAL SCIENCE *12748*

COURSE TYPE: Elective
CREDIT: 1.0 credit
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science and Biology with a C or higher (*Sophomores must have completed Physical Science and Biology with a C or higher as well)

This year-long course is designed for students with an interest in environmental science. The course will focus on exploring and investigating the interrelationships of the natural world and analyzing environmental problems, both natural and human-made. Students will also have opportunities to do laboratory investigations and field work. Topics covered in AP Environmental Science include explaining environmental concepts and processes, applying quantitative methods in solving problems, and analyzing data, visual representations and environmental writings. Students will also propose a solution for an environmental problem and build support for their idea with evidence.

PHYSICS *12750*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Physical Science, Biology and Algebra II

Physics is the study of the physical world using a small number of mathematical laws. Physics explains the "how" and "why" of the world around us. A consistent effort is made to present physics with a directness and simplicity, which will enable each student to achieve maximum comprehension.

The ability to set up and solve word problems during each unit requires an understanding of the physics presented and application of mathematical concepts from Algebra or Geometry. All students enrolling in Physics should have had Algebra II. This course is highly recommended for college-bound seniors.

The course content is as follows:

1. Measurement
2. Linear Motion
3. Forces
4. Vectors & 2-D Motion
5. Circular & Rotational Motion
6. Gravitation
7. Momentum
8. Work & Power & Energy
9. Fluids
10. Electrostatics
11. DC Circuits
12. Magnetism & Electromagnetic Induction
13. Waves
14. Sound
15. Light & Optics
16. Modern & Nuclear Physics

ASTRONOMY *12753*

COURSE TYPE: Elective
CREDIT: 0.5 credit per semester
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science and Biology (*can take concurrently with Physical Science or Biology with teacher recommendation)

Astronomy provides students with an introduction to the concepts of modern astronomy. This one semester course provides the opportunity to develop knowledge and understanding about the solar system, galaxy, and universe in which we live. Much attention is given to an appreciation for how we have obtained this information about the universe. Students use tools of observation to learn about space and learn how other astronomers past and present have used tools available. Although largely descriptive, the course will occasionally require the use of algebra-level mathematics.

Topic of class discussion will include:

1. History of astronomy
2. Observing the night sky
3. NASA and the space program
4. Earth's moon
5. Earth's sun
6. Stars and constellations
7. Planets and other objectives in our solar system
8. Galaxies and the universe.

ADVANCED PLACEMENT BIOLOGY *12757*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11*, 12
PRE-REQUISITE: Physical Science, Biology and Chemistry earning a "B" or better (*can take concurrently with Physical Science, Biology, or Chemistry with teacher recommendation)

AP Biology will focus on four Big Ideas set by the College Board.
Big Idea 1: Evolution – The process of evolution drives the diversity and unity of life.
Big Idea 2: Cellular Processes – Energy and Communication, Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostatis.
Big Idea 3: Genetics and Information Transfer – Living systems store, retrieve, transmit and respond to information essential to life processes.
Big Idea 4: Interactions – Biological systems interact, and these systems and their interactions possess complex properties.

This course will develop a conceptual framework for modern biology and allow students to gain an appreciation for science through an inquiry and problem-solving process. The level of expectation is similar to what students will encounter in a first-year college course. Course grading comes from only laboratory exercises, quizzes and unit tests. Any homework done by the student is for better understanding, and to generate questions for in-class discussion. The course requires a vast amount of reading and preparation time outside of class.

Standards and curriculum are assessed by the College Board every year, and is agreed upon by colleges and universities. Students will have the opportunity to take the AP National Examination in Biology given by the College Board in May, with the potential of achieving college credit.

FORENSIC SCIENCE *12741*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: 2 credits in science

This semester course is designed for students with an interest in pursuing a career in law enforcement, criminalistics, and forensic science. Students will learn about the history of forensic science and the role it now plays in modern society. Students will also learn the methodology of collecting and interpreting data collected at a crime scene. Students will process a mock crime scene for the final in Forensic Science. Topics covered in this class include the following:

1. The History of Forensic Science
2. The Crime Scene
3. Drugs and Drug Crime
4. Fingerprinting
5. DNA Analysis
6. Physical Evidence Analysis

PHYSICS 171 *12744* **UW-OSHKOSH**

COURSE TYPE: Elective
CREDIT: Dual credit is available through UW-Oshkosh
1 credit from WSHS; 5 college credits from UW-Oshkosh
GRADE LEVEL: 11, 12
PRE-REQUISITE: Physical Science, Biology, Chemistry, Algebra II
Must meet all of the requirements as determined by UW-Oshkosh
You must meet at least **one** of the following requirements:

- Class rank in the top 25%
- GPA of 3.25 or above (on a 4.0 scale)
- ACT score of 24 or higher

COURSE FEES: **$50 per credit; This is a 5 credit course (Drop Fee: $50)**

APPLICATION: Applications to UW-Oshkosh will be completed in the spring for the following School Year

General physics is an algebra-based introductory physics course. The course covers both the content and nature of physics. Special topics include projectile motion, Newton's laws, gravitational force, energy, pressure, fluids, electricity, and waves. Students will leave the course with an improved knowledge of physics laws and principles, understanding of the scientific thinking process, and ability to solve physics problems individually and in groups.

The following topics are covered in our Physics 171 course:

1. Measurement
2. Linear Motion
3. Vectors & 2-D Motion
4. Forces
5. Work & Power & Energy
6. Momentum
7. Gravitation
8. Circular & Rotational Motion
9. Fluids
10. Electrostatics
11. DC Circuits
12. Magnetism & Electromagnetic Induction
13. Waves
14. Sound
15. Light & Optics
16. Modern & Nuclear Physics

MEDICAL TERMINOLOGY & INTRO TO HEALTH CAREERS *12764* **Western**

COURSE TYPE: Elective
CREDIT: Dual credit is available through Western Technical College
1 credit from WSHS; 3 college credits from Western Technical College
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science, Biology, *Anatomy and Physiology
(*recommended prior or concurrent)

This medical terminology course is intended for students pursuing a college career in the health sciences and works with our Health Careers Pathways Program at WSHS.

This course focuses on the component parts of medical terms: prefixes, suffixes, root words & memorization of those terms. 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.

MEDICAL ANATOMY AND PHYSIOLOGY (WSHS HCP PROGRAM)

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Physical Science and Biology

This human anatomy and physiology course is intended for students pursuing a college career in the health sciences and works with our Health Careers Pathways Program at WSHS.

Medical anatomy and physiology concepts emphasize major organ systems, focusing on anatomical organization, histology, biochemistry with a medical focus. Students will be using medical terminology to enhance their understanding of anatomy topics. Individual projects, presentations, homework, laboratory experiments and assessments comprise the final grade. This is an advanced science course that goes at a brisk pace. Students needs to be disciplined and diligent in their work.

CNA – CERTIFIED NURSE ASSISTANT TRAINING

COURSE TYPE: Elective with State of WI Certification
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12 (Recommended at least age 17)
PRE-REQUISITE: Physical Science, Biology, *Anatomy and Physiology, *Medical Terminology (*recommended)

WSHS has partnered with Quality CNA Training to offer nurse aide training for WSHS and are high school students.

Two class options will be offered at WSHS. An accelerated CNA class will meet from 7:00-9:15 am on all designated class days for 4 months. On some non-CNA class days, students will report to the CNA classroom at 7:50 to review skills and study for the CNA Certification Exam. An evening course will meet for just over 2 months from approximately 4-8 PM.

Students will experience 133 hours of classroom instruction and 32 hours of clinical experience along with American Heart Association First Aid and Basic Life Support Training. Students will take a state scheduled certification exam at the end of their training.

Students will need to purchase scrubs for class and clinicals and pay for the certification exam.

See Career Example:

U.S. HISTORY *13815*
COURSE TYPE: Required
CREDIT: 1 credit
GRADE LEVEL: 9
PRE-REQUISITE: None

US History 9 is a one-year required course devoted to the study of United States history from the late 1800's up to the early 1960's. This course provides students with an opportunity to examine some of the major events that have helped to shape our country today. US History 9 also provides a look into current events and examines how these events are making our own history today.

History reminds us of our continuity of the human experience. It would be a mistake to dismiss our past. The present is linked to our past. To study our history is a sense of obligation to our ancestors. History is not always pleasant or uplifting. However, we must view our history honestly to better appreciate our present and to better understand our potential future.

MODERN U.S. HISTORY *13825*
COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 10
PRE-REQUISITE: None

Modern U.S. History is a one-semester course devoted to the study of United States history from the Vietnam War Era to present, providing students with a full range of activities for an in-depth research of this period of history. Modern U.S. History also provides a look into current events and how they are making history today.

History reminds us of our continuity of the human experience. It would be a mistake to dismiss our past. The present is linked to our past. To study our history is a sense of obligation to our ancestors. History is not always pleasant or uplifting. However, we must view our history honestly to better appreciate our present and to better understand our potential.

WORLD CULTURES *13810*
COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 10
PRE-REQUISITE: None

World Cultures I is a one-semester course. The first part of the course will focus on a review of basic geographical skills. The second part of the course will examine the cultures, economies, politics, physical features and histories of locations such as Canada, Mexico, Central America, the Caribbean and South America. A unit on Native Americans will also be incorporated in order to provide students with the opportunity to become familiar with the history and Modern day status of tribes associated with our state of Wisconsin.

JUNIOR SOCIAL STUDIES *13828*
COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 11
PRE-REQUISITE: None

Junior Social Studies is a one-semester course. The introduction unit of the course will focus on the definition of what a culture is and the components that make up a culture. The remainder of the course will deal culturally, geographically, historically, politically and economically with Europe, Asia, Africa and the Middle East. Junior Social Studies analyzes different cultures throughout the world and compares those cultures to our American culture. This course will provide students with a full range of activities for an in-depth understanding of these regions and their people.

SOCIOLOGY *13831*
COURSE TYPE: Required Junior Couse Option (or Psychology)
CREDIT: 0.5 credit
GRADE LEVEL: 11
PRE-REQUISITE: None

Sociology meets Wisconsin Academics Standards for Social Studies in Behavioral Sciences. Sociology is the study of human interaction and development with special emphasis placed on culture, ethnic, racial, and minority groups. Students will explore how groups form and function and the effects they have on the world around them. Specific topics will include the institutions of marriage and families, gender-roles, social psychology, collective behavior, delinquency and criminal behavior. Sociology will conclude with a focus on social problems that exist in our society today and how they relate to the student's individual lives.

PSYCHOLOGY *13832*
COURSE TYPE: Required Junior Course Option (or Sociology)
CREDIT: 0.5 credit
GRADE LEVEL: 11
PRE-REQUISITE: None

Psychology meets Wisconsin State Academic Standards for Social Studies in the Behavioral Sciences. Students learn about a variety of general themes including nature/nurture, social concepts, and human development. Students analyze multiple studies, experiments, and theories that support several perspectives so as to develop a diverse, well-rounded understanding of the mind and human behavior. Students explore the findings of many psychologists and make real-world connections to their daily lives. Specific topics include twin studies, social learning, classical conditioning, operant conditioning, conformity, compliance, obedience, bystander effect, gender norms/roles, parenting styles, and death/dying.

AMERICAN GOVERNMENT *13830*

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 12
PRE-REQUISITE: None

American Government meets Wisconsin State Academic Standards for Social Studies in Political Science and Citizenship. Students learn about a variety of historically-relevant and current topics involving political parties, the Electoral College, voting/elections, the Constitution, amendments, and federal and state government.

ADVANCED PLACEMENT GOVERNMENT AND POLITICS *13835*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Social Studies department recommendation and/or administrative approval.

AP Government is an alternative to Senior Social Studies. AP Government is a year-long, college-level course that focuses on the principles of constitutional theory and constitutional history. It also covers institutions and processes of government, and the principles and practices of the political process. Throughout this course students will analyze the historical ideas and events that led to our constitutional form of government, and the current events that have kept the Constitution alive. Students will study the Constitution, the dynamics in government, and how society lives within the realm of our government structure.

Students enrolling in AP Government should be prepared for a college-paced course that requires extensive reading and writing throughout the school week. AP Government will also contain the Senior Exit Project (SEP) paper component of senior year. AP Government students will have some class time devoted to the SEP paper, but that time is very minimal compared to Senior Social Studies. AP Government students are expected to stay up-to-date with the SEP Edmodo page as the SEP component of this class is student driven. AP Government is designed to prepare students to take the AP exam near the end of the school year.

STREET LAW *13840*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None

Street Law is a one-semester course designed to provide students with an understanding of some of the basic elements of our legal system. Students will focus on the roles that laws play in our society and examine how and why they are created. Throughout the course students will be given the opportunity to examine the moral and ethical values of our society. These values will focus on questions regarding fairness, tolerance, justice, authority, and responsibility in our daily existence.

Street Law includes a variety of activities. Guest speakers usually include police officers and lawyers. Small group work is often implemented to allow students to engage in meaningful discussions about legal concepts.

ADVANCED PSYCHOLOGY *13842* **UW-OSHKOSH**

COURSE TYPE: Elective
CREDIT: Dual credit is available through UW-Oshkosh
1 credit from WSHS; 3 college credits from UW-Oshkosh
GRADE LEVEL: 11, 12
PRE-REQUISITE: US History 9, Modern US History, World Cultures
Must meet all of the requirements as determined by UW-Oshkosh
You must meet at least **one** of the following requirements:

- Class rank in the top 25%
- GPA of 3.25 or above (on a 4.0 scale)
- ACT score of 24 or higher

COURSE FEES: **$50 per credit; This is a 3 credit course (Drop Fee: $50)**

Psychology meets Wisconsin State Academic Standards for Social Studies in the Behavioral Sciences. This will be a dual credit or AP course in the field of psychology in which students will go through material at a quicker pace and will gain a deeper perspective of many topics. Students in this course will have the opportunity to earn either advanced placement credits or credits through a partnering college. Students will learn about a variety of general themes including nature/nurture, social concepts, and human development. Students will analyze multiple studies, experiments, and theories that support several perspectives so as to develop a diverse, well-rounded understanding of the mind and human behavior. Students will explore the findings of many psychologists and make real-world connections to their daily lives.

GENOCIDE AND HUMAN RIGHTS *13855*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: None

Genocide and Human Rights is a one-semester course focusing on historical worldwide incidents of genocide, (potentially including the Holocaust, Cambodia, Armenia, Rwanda, Darfur, Somalia) and how humans seek to justify and prevent these incidents. The course looks at fundamental human rights, different international agencies that promote and defend these rights, and efforts societies make to improve humanitarian issues on the global level.

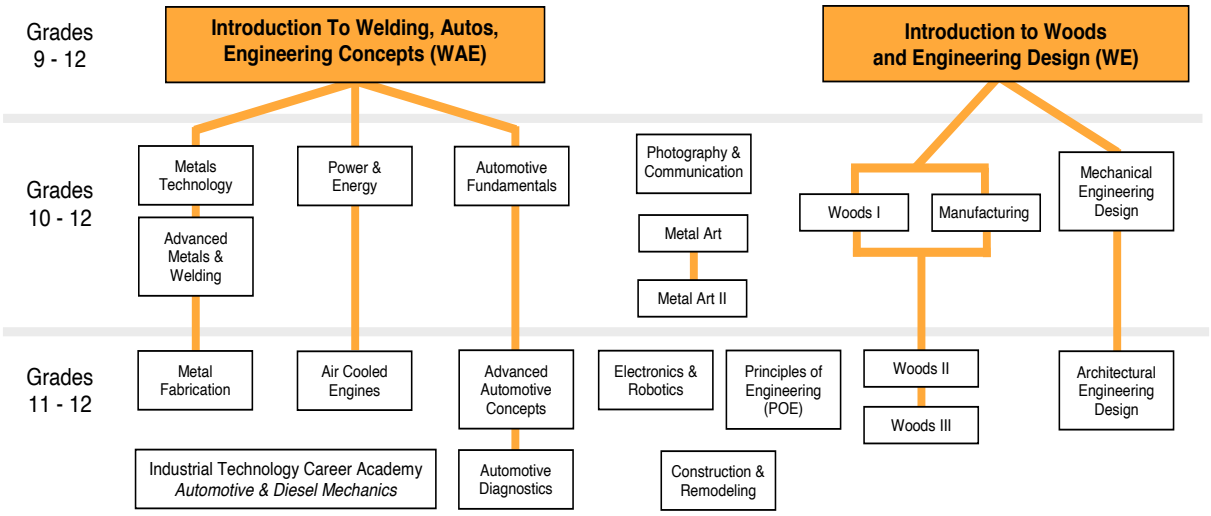
SENIOR SEMINAR *00060*

COURSE TYPE: Required
CREDIT: 0.5 credit
GRADE LEVEL: 12

Senior Seminar covers all parts of the Senior Exit Project (SEP): paper, project, portfolio, and presentation. Some class time is provided for completing the SEP paper, working on the SEP portfolio, and practicing the SEP presentation, while the project itself are completed outside of school hours. Senior Seminar also provides opportunities for students to document their College, Career and Life Readiness, as measured by the Redefining Ready rubric.

West Salem High School

Technology & Engineering Department



Youth Apprenticeships available in:

Automotive Diesel Welding Construction

TECHNOLOGY & ENGINEERING EDUCATION

See Career Example:

All students must purchase safety glasses and will be required to wear them any time they are in the laboratory. Fees will be limited to the cost of materials used in student projects. Payment of fees should not deter a student from registering for a class, as assistance is available for those who qualify.

INTRODUCTION TO WOODS AND ENGINEERING DESIGN *14900*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$25.00**

Introduction to Woods and Engineering Design will consist of a variety of projects in the drafting/computer aided design, woodworking, plastics, and metal fabrication areas. A lab fee of $25.00 will be charged to cover the cost of materials used. If the cost of materials used in projects exceeds this amount students will be charged accordingly.

WAE (INTRODUCTION TO TECHNOLOGY AND ENGINEERING) *14905*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$20.00**

Introduction to Technology and Engineering (WAE) includes automotive, manufacturing, transportation, communications and construction. The course involves the new changing technologies in each of the areas. A lab fee of $20.00 will be charged to cover materials used in student projects.

METALS TECHNOLOGY *14910*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$20.00**

This course is divided into four basic areas: bench metals, sheet metals, machining, and welding fabrication. In each area students will learn about the metals industry and how to perform basic operations using machines and hand tools through the construction of useful products. A class fee of $20.00 plus cost of project materials will be charged. This course provides the student with an opportunity to apply for transcripted credit (1.0) at Western Technical College in any of the following programs: Welding Tech, Diesel Tech, Auto Tech.

ADVANCED METALS & WELDING *14915*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Metals Technology
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$20.00**

This class is offered to those students that are interested in expanding their knowledge in the area of welding and machine tool operation. Students will learn to weld aluminum with (GTAW and GMAW) and stainless steel (GTA), and be required to complete a series of out of position welds in GMAW and SMAW. Students will be required to make a parallel jaw clamp using the metal lathe and milling machine.

METAL ART *14917*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
COURSE FEE: **$25.00**

This course is open to students that are interested in applying their artistic abilities to the area of welding and metal fabrication. Students will be taught basic welding techniques and then be required to apply them in designing and then fabricating a series of three-dimensional projects of their own choosing. Students will be encouraged to use sound artistic practices to include balance, harmony, unity, proportion, shape, scale, and texture in the development of their work. Students will be encouraged to submit their work to the various Skills USA welding sculpture competitions.

METAL ART II *14918*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Metal Art
COURSE FEE: **$25.00**

This course is designed to provide students that have completed Metal Art, to further their knowledge and understanding of metals, and welding fabrication, by designing and fabricating artwork of significant difficulty. Students will be required to make projects that exhibit sound artistic practices in the 2nd and 3rd dimensions. Students will be required to utilize all fabrication machines to include the English Wheel Plannishing hammer to develop a 3 dimensional sheet metal project. Additional requirements include 2 dimensional abstract, and 3 dimensional abstract pieces of significant difficulty.

WOODS I *14930*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Intro to Woods & Engineering Design or WAE
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$25.00**

Students will develop basic skills in the use of power tools used in woodworking and manufacturing. The students will develop techniques in joining, framing, door and drawer construction. A company will be formed and a product will be produced and marketed during the first nine weeks. During the second nine weeks the students will design and construct a product utilizing manufacturing techniques previously learned. A lab fee of $25.00 plus cost of materials is charged.

WOODS II *14920*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Woods I
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$25.00**

This course is designed to be an application and extension of previous woodworking classes and experiences. Focus will be on precision woodworking and accurate details. Required projects will include special stet-ups and techniques including door and drawer construction. Students will work on independent projects approved by the instructor. A cabinet will be constructed as a first project. A $25.00 fee will be collected the first week of class to cover materials used (not wood).

WOODS III *14925* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Woods II
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$25.00**

This class is designed to be an advanced application of furniture construction. Students will work on independent projects by contract with the instructor. All projects will have detailed blueprints and bill of materials before the project is started. Material cost is the student's responsibility. A $25.00 fee will be charged to cover other materials used in the class. This fee will be collected the first week of class.

MANUFACTURING *14935*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Intro to Woods & Engineering Design or WAE
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$25.00**

Students will develop basic skills in the use of power tools used in woodworking and manufacturing. The students will develop techniques in joining, framing, door and drawer construction. A company will be formed and a product will be produced and marketed during the first 9 weeks. During the first nine weeks the student will design and construct a product utilizing manufacturing techniques previously learned. A lab fee of $25 plus cost of materials is charged.

POWER & ENERGY *14940*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$20.00**

This course is designed to teach the theory and operation of two and four cycle engines including the disassembly and assembly of the small engine. The students will also study hydraulics, pneumatics, energy, electricity, basic auto maintenance and aerospace. Class fee is $20.00.

MECHANICAL ENGINEERING *14950*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 12 students

This is an introductory course to computer-aided drafting and design utilizing the AutoDesk software. This is a course designed to introduce students to the concepts, commands and techniques of parametric modeling. The student will construct "intelligent" solid models, and create scenes and 2D drawings from the 3D model.

ARCHITECTURAL ENGINEERING DESIGN *14955*
COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Mechanical Engineering Design preferred, however not required
RESTRICTIONS: Class size limited to 12 students

Industry standard AutoDesk software will be used to teach students to design their dream house. Engineering concepts, such as material science/strength, will be explored to enhance student understanding. Students will produce a complete set of working drawings (floor plan, plot plan sections, elevations, foundation plan and perspectives) for a residential structure.

PRINCIPLES OF ENGINEERING *14965*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 18 students
CLASS FEE: **$20.00**

This course is an integrated hands-on-laboratory based set of case studies, which will convey the principles, skills and techniques, and attitudes conducive of engineers. The course consists of the following six concepts of engineering: Ethics, Modeling, Systems, Design, Optimization, and Technology-Social Interaction. The course also includes exposure and use of the CAD system.

CONSTRUCTION & REMODELING *14975* Western

COURSE TYPE: Elective
CREDIT: 1 credit (18 week course / 2 hours per day block schedule)
GRADE LEVEL: 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 12 students
CLASS FEE: **$10.00**

This course is intended to develop the basic skills required for the student to perform minor or major construction/maintenance tasks to one's own home or for a career. The student will develop a work ethic and communication skills necessary to work with others in the community. Some of the various areas to be covered are wall construction, window/door replacement and repairs, concrete work, dry walling, painting, plumbing, electrical, and blueprint reading.

It is the intent of this course to obtain a project or projects off campus for students to work on as a volunteer worker and to apply knowledge gained. The size of the class must be limited to 12 students. Students will be accepted through an interview process with the instructor and other personnel designated by administration. The students must provide own transportation to the job site with proper waivers and forms filed. The students and parents must provide proof of insurance, both medical and transportation policies.

AUTOMOTIVE FUNDAMENTALS *14980* Western

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: None
RESTRICTIONS: Class size limited to 15 students
CLASS FEE: **$25.00**

This course is for students that are interested in learning more about their car. Students will receive lecture on vehicle systems, and are required to do approximately 40 lab activities that are designed to give the student hands-on practice on such things as changing oil, checking brakes, use of automotive diagnostic tools (scanners, autometers, and multi-meters). Students are allowed to work in groups of 2-3, and can do some lab activities on their own automobiles. The bulk of lab activities are completed on shop vehicles, and mockups. The Wisconsin Auto Truck Dealers Association (WATDA) officially approves this curriculum for this class. The class is a 1-hour a day per semester class that has 2 lab days and 3 lecture days per week. The knowledge gained in this course will allow students to become informed users of an automobile. Those students that are looking at becoming automotive technicians should take this course in their sophomore year.

ELECTRONICS AND ROBOTICS *14993*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Power and Energy or Automotive Fundamentals
CLASS FEE: **$30.00**

Students will learn the theory and practice regarding all aspects of electricity, electronics and robotics. Units covered include using a multi-meter, Ohms Law, batteries, AC and DC circuits, Series and Parallel circuits, and robotics. Students will construct a project that will be ordered from a catalog and construct a multi-meter. Students will learn how to program a robot and will be required to participate in Western Tech's Robotics competition. Class fee is $30.00 but does not include the electrical or electronic device that the student will construct.

ADULTING: SURVIVAL AFTER HIGH SCHOOL *14945*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 12
PRE-REQUISITE: None
CLASS FEE: $25

How do I learn how to live on my own? How do I change a flat tire, patch a pair of jeans, start a grill, cook hamburgers or repair a leaky faucet? This class will focus on helping you learn these and many other skills that are critical to living on your own! Whether you go to a 4 year college or a 2 year college or go to work after high school, these skills will help you live a more self-sufficient and cost saving life. This course is all about learning how to do things. Students will be expected to participate in all activities by physically doing all assigned tasks. Students will be encouraged to come up with ideas that they would like to learn more about!

ADVANCED AUTOMOTIVE CONCEPTS *14985*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Automotive Fundamentals
RESTRICTIONS: Class size limited to 15 students
CLASS FEE: **$25.00**

This course will be limited to juniors and seniors only that have completed Automotive Fundamentals. This class will focus on advanced concepts not covered in Automotive Fundamentals. The bulk of the lab activities will be on shop vehicles and student vehicles. This course is designed for the student that may be interested in becoming an automotive technician.

AUTOMOTIVE DIAGNOSTICS *14992*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Advanced Automotive
CLASS FEE: **$25.00**

Students will be allowed to take this course only if they have completed Advanced Automotive Concepts. Students will be working primarily in a lab environment troubleshooting electrical/electronic, PCM, emissions, and fuel injection problems in 1996 or newer vehicles.

AIR COOLED ENGINES *14990*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Power & Energy
RESTRICTIONS: Class size limited to 15 students
CLASS FEE: **$25.00**

The troubleshooting and rebuilding of air-cooled engines in the primary area covered in this class. Students will be required to completely overhaul 2 small engines (this includes valve-jobs, cylinder boring, and component replacement). Our Engine and Equipment Training Council (EETC) approved curriculum is the focus of this class. Students will also work on multi-cylinder engines, receive instruction on electrical system troubleshooting, and Outdoor Power Equipment (OPE) equipment problems. Students are responsible for providing oil, gasket sets, and any components when rebuilding their engines.

METAL FABRICATION *14995* **Western**

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Advanced Metals and Welding
RESTRICTIONS: Class size limited to 15 students
CLASS FEE: **$25.00**

This class is offered to those students that are interested in fabricating a metals project. Students are required to make a project of significant difficulty. Students will also be required to make a project using the metal lathe and milling machine. Students are required to pay for any material used in this class as the class fee is for welding rod and shielding gases.

YOUTH APPRENTICESHIP AUTOMOTIVE TECHNOLOGY *00045*

CLASS FEE: **$25.00**

This opportunity is provided only to seniors who are interested in a career as an automotive technician. These individuals must be enrolled in Automotive Fundamentals during 1st semester and Advanced Automotive Concepts during 2nd semester to participate in the apprentice program regardless if these courses were taken previously. Youth Apprentices are required to pass all of their classes and complete a minimum of 450 hours of work at a local dealer during the calendar year. There is an extensive application and interview process to get into this program. This process starts in February of the student's junior year. Automotive youth apprenticeship positions are limited based on the availability of work sites.

Students that complete this course can apply for advanced standing in the Western Technical College Automotive Tech program.

YOUTH APPRENTICESHIP WELDING *00045*

CLASS FEE: **$25.00**

This opportunity is provided only to seniors who are interested in a career in welding. These individuals must be enrolled in Advanced Metals and Metals Fabrication during the school year to participate in the apprentice program regardless if these courses were taken previously. Youth Apprentices are required to pass all of their classes and complete a minimum of 450 hours of work at a local welding business during the calendar year. There is an extensive application and interview process to get into this program. This process starts in February of the student's junior year. Welding youth apprenticeship positions are limited based on the availability of work sites.

WORLD LANGUAGES

See Career Example:

SPANISH I *07350*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: None

Students will develop reading, writing, speaking and listening skills in the target language through a variety of methods. Students will begin to explore the various countries where Spanish is spoken and learn about their cultures.

SPANISH II *07360*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 10, 11, 12
PRE-REQUISITE: Spanish I

This is a continuation of what the student has learned in Spanish I. Students continue to develop competency in the target language by focusing on the message being communicated. Students will learn more about tending to their welfare in the target culture, and interacting socially in an appropriate manner.

SPANISH III *07370*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Spanish II

Students will continue to develop fluency in the language by increasing their knowledge of vocabulary, grammar and culture. Students will focus on the use of Spanish in their own daily life.

SPANISH IV *07380*

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 12
PRE-REQUISITE: Spanish III

A survey of grammar reviews familiar structures and introduces new ones. Students will continue to develop fluency in the target language.

INDEPENDENT STUDY

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Must have permission from the associated instructor and principal
CLASS FEE: Coincides with area of study (e.g. Art: $20, Tech Ed: $25; other costs may be incurred throughout the semester)

This course is offered to juniors or seniors who wish to develop their own course of study, and are capable and sufficiently self-disciplined to carry out their research with informal instructor supervision. It can and may provide unlimited opportunities if governed by well planned, disciplined, inquisitive judgment. Students intending to elect this course must have permission from the associated instructor and principal. (Individualized Study Contract must be completed before the semester begins.) A student must be registered for 6 courses not including the Independent Study. Contracts are available in the Student Services office.

MEDICAL TERMINOLOGY & INTRO TO HEALTH CAREERS *12764* Western

COURSE TYPE: Elective
CREDIT: Dual credit is available through Western Technical College
1 credit from WSHS; 3 college credits from Western Technical College
GRADE LEVEL: 10*, 11, 12
PRE-REQUISITE: Physical Science, Biology, *Anatomy and Physiology
(*recommended prior or concurrent)

This medical terminology course is intended for students pursuing a college career in the health sciences and works with our Health Careers Pathways Program at WSHS.

This course focuses on the component parts of medical terms: prefixes, suffixes, root words & memorization of those terms. 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.

MEDICAL ANATOMY AND PHYSIOLOGY (WSHS HCP PROGRAM)

COURSE TYPE: Elective
CREDIT: 1 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Physical Science and Biology

This human anatomy and physiology course is intended for students pursuing a college career in the health sciences and works with our Health Careers Pathways Program at WSHS.

Medical anatomy and physiology concepts emphasize major organ systems, focusing on anatomical organization, histology, biochemistry with a medical focus. Students will be using medical terminology to enhance their understanding of anatomy topics. Individual projects, presentations, homework, laboratory experiments and assessments comprise the final grade. This is an advanced science course that goes at a brisk pace. Students needs to be disciplined and diligent in their work.

CNA – CERTIFIED NURSE ASSISTANT TRAINING

COURSE TYPE: Elective with State of WI Certification
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12 (Recommended at least age 17)
PRE-REQUISITE: Physical Science, Biology, *Anatomy and Physiology, *Medical Terminology (*recommended)

WSHS has partnered with Quality CNA Training to offer nurse aide training for WSHS and are high school students.

Two class options will be offered at WSHS. An accelerated CNA class will meet from 7:00-9:15 am on all designated class days for 4 months. On some non-CNA class days, students will report to the CNA classroom at 7:50 to review skills and study for the CNA Certification Exam. An evening course will meet for just over 2 months from 4:30-9 pm.

Students will experience 133 hours of classroom instruction and 32 hours of clinical experience along with American Heart Association First Aid and Basic Life Support Training. Students will take a state scheduled certification exam at the end of their training.

Students will need to purchase scrubs for class and clinicals and pay for the certification exam.

INTRODUCTION TO SPORTS MEDICINE *11649*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 11, 12
PRE-REQUISITE: Anatomy & Physiology

Designed for students who are serious about pursuing a career in any health field. Students will be exposed to exercise physiology as it pertains to athletic movement, as well as analysis and biomechanics of movement. There will be an introduction to entry level athletic training and exposure to occupations in the health and science field, including personal training as it pertains to chronic disease prevention.

INDUSTRIAL TECHNOLOGY CAREER ACADEMY *00040*

COURSE TYPE: Elective
CREDIT: 0.5 credit per semester (Night Class)
GRADE LEVEL: 11, 12
PRE-REQUISITE: Interview process will take place during the May/June time frame. Students from area schools will compete for 32 positions that will be available.

Auto ASC Certification - This course meets Tuesday evenings starting in July and continues through May. There are 3 terms, each term can provide the opportunity for students to earn 0.5 credits per term. The students will focus on ASE areas, light maintenance and repair, engine repair, brakes, steering and suspension.

Diesel Certification **-** This course meets Tuesday evenings starting in July and continues through May. There are 3 terms, each term can provide the opportunity for students to earn 0.5 credits per term. The students will focus on ASE areas, preventive maintenance and inspection, engine repair, brakes, steering and suspension.

* Career Academy students will be graded on a pass/fail as determined by the instructor. The grade will not have an impact on the student's GPA.

ACADEMIC ASSISTANCE PROGRAM (AAP) *01025*

COURSE TYPE: Elective
CREDIT: 0.5 credit per semester
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Recommendation of a **teacher**, **school counselor, principal and final approval through the RTI Team.**

The AAP program is designed to facilitate student success and provide opportunities for students to achieve their educational goals through the development and reinforcement of necessary academic skills.

Program Structure

Enrollment in AAP is limited in order to ensure that each student receives proper support. The program is designed to help students succeed by providing them with strategies and tools needed to succeed in the regular classroom. The class is designed to allow the academic assistance instructor to work individually and in small groups, a*nd will provide students with modifications for and reinforcement of their regular classroom instruction.*

Role of the Academic Assistance Instructor

The academic assistance instructor is the liaison to the rest of the professional staff and the student's advocate. The AAP instructor strives to foster acceptance of varied testing procedures, maintain a professional empathy with the student, uphold the level of the classroom teachers' expectations, and improve the organizational and coping skills of each student. The AAP instructor will work with parents and teachers in implementing the appropriate educational accommodations.

Role of the Student

The student is expected to put forth his or her best effort in all subjects and complete all assignments to the best of his/her ability. The student must understand that the academic assistance class is not just a study hall, but a venue to improve skills.

Role of the Parent

Parents are to work collaboratively with the instructor in order to help their child cope in the high school setting. Parents are asked to keep in contact with the AAP teacher and with their child's classroom teachers and counselor.

EARLY COLLEGE CREDIT/START COLLEGE NOW *00037*

COURSE TYPE: Elective
CREDIT: 0.25 of each earned college credit (ex. 3 college credits = .75 WSHS Credits)
GRADE LEVEL: 11, 12
PRE-REQUISITE: Both school and college requirements, application required

The Early College Credit & Start College Now Programs were established to allow students who have exhausted all West Salem High School courses in the corresponding content area to continue their studies at an institute of higher education. ("Institute of higher education" means an institution within the UW System, a tribally controlled college, or a private, nonprofit institution located in WI.) This program is by application only and accepted applicants will have the approved course(s) paid for by the School District of West Salem. Applications are due March 1 for the first semester courses and by October 1 for the second semester courses. Please see your school counselor for more information.

PART-TIME OPEN ENROLLMENT (formerly Course Options)

COURSE TYPE: Elective
CREDIT: 0.5 credit per semester
GRADE LEVEL: 9, 10, 11, 12
PRE-REQUISITE: Both school and college requirements, application required

Part-time open enrollment law allows a pupil enrolled in a public school district to take up to two courses at any time from an educational institution. Wisconsin Educational institutions are defined under the part-time open enrollment statute as:

- A public school in a nonresident school district;
- University of Wisconsin System;
- Technical college;
- Nonprofit institutions of higher education;
- Tribal college;
- Charter school

SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM **(S.O.E.P./WORK EXPERIENCE)**

Maximum of one hour/one credit per school year
Available to juniors and seniors
Application required

Supervised Occupational Experience Program provides students with an opportunity to extend their educational program to include an educationally based work experience. The S.O.E.P. goes beyond employment - students are to be involved in a variety of experiences and responsibilities available at the training/work site. S.O.E.P.'s are arranged with the approval of S.O.E.P. supervisor (principal or assistant principal) and work site supervisor.

Requirements for S.O.E.P.:

1. Students register for six (6) credits excluding S.O.E.P.
2. Apply for S.O.E.P. with high school principal.
3. Complete application signed by student, parent or guardian, S.O.E.P. supervisor, and training/work site supervisor.
4. Complete weekly training/work site reports.
5. Secure a work permit.
6. Transportation to and from training/work site is the responsibility of the parent or guardian.
7. Notify school supervisor and training/work supervisor of absence.
8. Daily absence from school will require absence from training/work site.
9. Meet with S.O.E.P. supervisor on a scheduled basis.
10. Provide training/work site with promptness, confidentiality, cooperation, honesty, courtesy, proper dress for the work site, good grooming, a willingness to learn and a positive attitude.
11. Students involved in the S.O.E.P. program are *not allowed* to take independent study.

TEACHING ASSISTANT *00050*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 12
PRE-REQUISITE: Teacher Request

The Teaching Assistant is to serve as a general aide to a classroom teacher. The Teaching Assistant [TA] will report directly to the classroom teacher who the student is assigned to and will take direction from that teacher. Students must demonstrate excellent attendance, positive attitude, and at least a basic knowledge of the subject being taught during the class period the student is assigned. A student may also be a TA for a teacher if s/he is an officer in a student organization that is associated with the general curricular area of the class. The position of teaching assistant is not necessarily one that students sign up for and are assigned, but is offered as an opportunity to select students as determined by instructor request.

Teaching Assistants will be graded on a pass/fail basis as determined by the Teaching Assistant Evaluation instrument. The grade will not have an impact on a student's GPA.

A student can serve as a TA for one class period per semester during the student's senior year.
Criteria:

1. The student must be at senior status at the beginning of the school year.
2. The student must be registered for six classes for the term/semester s/he is to be a TA.
3. The student must have previously earned a grade of "C" or better in the class for which they are applying to be a TA.
4. The student must be a "student in good standing" at the time of application; meaning all grades earned must be a "C" or higher and the student was not suspended out of school during the previous semester.
5. The student must follow all school rules and expectations as presented in the handbook.
6. The student will not be allowed to leave school property to run errands during school time.
7. The student will maintain his/her status as a "student in good standing", both academically and behaviorally during the term/semester s/he will be a TA.

MEDIA ASSISTANT *00052*

COURSE TYPE: Elective
CREDIT: 0.5 credit
GRADE LEVEL: 10-12
PRE-REQUISITE: LMC Supervisor Request

The purpose of a Media Assistant is to serve as a general aide to the LMC Supervisor. The Media Assistant (MA) will report directly to the LMC Supervisor who will then assign tasks for the hour. Students must demonstrate excellence attendance, positive attitude and a willingness to help.

The LMC Supervisor will outline basic expectations and duties the student will be performing in the capacity of Media Assistant. The student will be graded pass/fail according the expectations set by the LMC Supervisor.

Media Assistants will be graded on a pass/fail basis as determined by the Media Assistant Evaluation instrument. The grade will not have an impact on a student's GPA.

DROP/ADD PROCEDURES

Creating the master schedule for West Salem High School and individual schedules for students is based on student choices. One of the responsibilities of making a choice is living with potential consequences. It is expected that students choose courses because they have a strong interest in them. Thus, changing course selections after they are made for the upcoming school year is permitted ONLY according to the following policies:

1. Scheduling error – for example: a class is listed twice; more than one commons/study hall; missing a pre-requisite.
2. Adding a class: a student may request to add a class to take the place of a commons/study hall period **if space is available and the requested change does not overload the class.**
3. Dropping a class: a student may request to drop a class, however, administration may deny the request **if it results in the class size dropping below the minimum required number of students**.
4. Failed class(es) or teacher/counselor recommended change.
5. Change required for Early College Credit, Youth Apprenticeship or Independent Study.
6. All other changes are subject to approval by the student services team and high school administration.

Procedure for requesting to change a schedule and actually dropping/adding a class is as follows:

1. All schedule changes must be completed by the fifth day of the semester.
2. Students pick up, complete (with signatures) and return a "REQUEST TO CHANGE" form from the Student Services Office.
3. Counselor(s) reviews "REQUEST TO CHANGE" form to determine if request can be completed.
4. Counselor will contact the student, and if the request can be completed (i.e. space available in new class or dropped class won't go below the minimum), student receives "DROP/ADD" form from counselor to get signatures and approval/denial from staff, parent and principal.
5. Student returns "DROP/ADD" form to Student Services Office. This form must be returned in order for the change to be made to the student's schedule. If this form is not returned before the end of the fifth day of the semester the change is not made and the student will be marked "unexcused" from the class(es) being dropped and will be assigned detentions.

Dropping a class after the fifth day of the semester will result in the student receiving an "F" for the class. This would also result in the student being moved to quiet study hall for a period of time as determined by administration.

Dropping a college credit course after the first day of class results in a drop fee payment of $50.

The Student Services Office reserves the right to change student schedules. For example: balancing class sizes, changes to master schedule, etc.

AP EXAM (COLLEGE BOARD)

Students taking AP classes and meeting the course requirements are eligible to take the College Board AP exam in May. Cost of the exam is $94. The student is responsible for paying the exam fee. The AP exam must be administered on specific dates/times in May as specified by the College Board. See your counselor for more information.

SUMMER SCHOOL MAKE-UP

CREDIT: ½ credit

Students who fail a required course will be provided an opportunity during the summer school session to repeat a one-semester required class.

WEST SALEM SCHOOL DISTRICT

NON-DISCRIMINATION STATEMENT AND COMPLAINT PROCEDURE

The West Salem School District prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal or because all or part of an individual's income is derived from any public assistance program. Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the Pupil Services Director at (608)786-0700. To file a complaint of discrimination write to: Pupil Services Director at 405 East Hamlin Street, West Salem, WI 54669 or call (608)786-0700. The West Salem School District is an equal opportunity provider and employer.

The district encourages informal resolution of complaints under this policy. If any person believes that the West Salem School District or any part of the school organization has failed to follow the law and rules of s.118.13, Wis. Stats., or in some way discriminates against pupils on the bases listed above, he/she may bring or send a complaint to the administration office at *405 E. Hamlin Street, West Salem, Wisconsin.*

Step 1. A written statement of the complaint shall be prepared by the complainant and signed. This complaint shall be presented to the Director of Pupil Services. The Pupil Services Office will send written acknowledgment of receipt of the complaint within 45 days.

Step 2. A written determination of the complaint shall be made by the board within 90 days of the receipt of the complaint unless the parties agree to an extension of time; appeals under 20 USC s. 1415 and ch. 115, Wis. Stats., relating to the identification, evaluation, educational placement, or the provision of a free appropriate public education of a child with an exceptional educational need shall be resolved through the procedures authorized by ch. 115, subch. V., Wis. Stats. Complaints under 20 USC s. 1231e-3 and 34 CFR ss. that the state or a subgrantee is violating a federal statute or regulation that applies to a program shall be referred directly to the state superintendent.

Step 3. If a complainant wishes to appeal a negative determination by the board, he/she has the right to appeal the decision to the state superintendent within 30 days of the board's decision. In addition, the complainant may appeal directly to the state superintendent if the board has not provided written acknowledgment within 45 days of the receipt of the complaint or made a determination within 90 days of the receipt of the written complaint. Appeals should be addressed to: *State Superintendent, Wisconsin Department of Public Instruction, 125 South Webster Street, P.O. Box 7841, Madison, Wisconsin 53707-7841.*

Step 4. Discrimination complaints on some of the above bases may also be filed with the federal government at the *Office for Civil Rights, U.S. Department of Education, 300 South Wacker Drive, 8th Floor, Chicago, Illinois 60606.*