

# Webster Area High School

## Course Descriptions

Note: A term is a period of nine weeks; \* =Choice of class for requirement

### BUSINESS/COMPUTER

2 credits of Computer

**Course Title** Accounting I (12104)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** juniors - seniors

This first-year accounting course will provide a thorough background in the basic accounting procedures used to operate a business. Topics covered include accounting careers, accounting cycle, accounting equation, journalizing & posting, financial statements, cash and management, tax forms, and payroll.

**Course Title** Accounting II (12108)  
**Duration** Two terms  
**Level** Weighted  
**Credit** 1  
**Prerequisites** C or better in Accounting I  
**Intended for** juniors - seniors

This continuation of Accounting I emphasizes forms of business ownership (sole proprietorships, partnerships and corporations) and the legal aspects of each. Topics covered include departmentalized accounting, accounting control system procedures, accounting for uncollectible accounts, accounting for plant assets/depreciation, notes payable/receivable, corporate accounting.

**Course Title** Business Law (12054)  
**Duration** One term  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** juniors - seniors

Students in this class will be studying the rules and laws that apply to business situations and transactions. Topics covered include court systems, sources of law, criminal law, tort law, contract law, consumer law, and employment law.

**Course Title** Computer Applications (10004) Required  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Middle school computer courses  
**Intended for** freshmen

This class is designed for freshmen students to give them a complete background in computers and computer software. Topics covered include word processing software, spreadsheet software, presentation software, and database software.

**Course Title** Computer Graphics (10202)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Computer Applications  
**Intended for** sophomores - seniors

This class is about the production of visual imagery and application of graphic techniques to various fields. Topics covered include modeling, simulation, animation and image retouching.

**Course Title** Graphic Design (05162)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Computer Applications, Computer Graphics (Must have passed computer graphics)  
**Intended for** sophomores – seniors

Graphic design course emphasizes design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computers influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

**Course Title** Introduction to Business (12051)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** freshmen – seniors

This course will introduce you to the world of business and help prepare you for the economic roles of consumer, worker, and citizen. This course will cover the role of business, economic systems, forms of business, management and marketing principles, financial planning, and investment options.

**Course Title** Multi-Media Design (10203)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Computer Applications  
**Intended for** sophomores – seniors

Topics covered: create original production pieces, meeting goals, timeline, and elements of style and design; write original copy; effectively incorporate image, audio, animation and text media into multimedia presentation; prepare product for publishing/distribution; implement basic interactivity in a multimedia program; organize the files that are part of multimedia program logically and efficiently; use software to develop quality images and edit presentations.

**Course Title** Office/ Business Technology (12003)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** sophomores – seniors  
 Topics covered: careers in office and business; communication in an office setting; skills in office communication; technology in office management and administration.

**Course Title** Personal Finance (22210) **Required**  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** juniors - seniors  
 This course is designed to provide students with advanced skills to handle financial decisions that will affect them now and throughout life. In this project-based course, students will analyze personal needs and wants, set short and long term goals, analyze how career choices and education affect economic conditions, explore taxes and employee benefits, evaluate money management strategies, learn the implications of debt and credit, and develop saving and investing knowledge.

**Course Title** Web Publishing and Design (10201)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Computer Applications C or better  
**Intended for** sophomores - seniors  
 Classes will set-up and maintain personal web pages. Topics covered include refining knowledge of site planning, page layout, graphic design, and the use of markup languages such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model to develop and maintain a webpage.

### **CAREER AND TECHNICAL EDUCATION**

1 unit of the following-any combinations for class 2014 and beyond:

- a. Approved Career & Technical Education
- b. Capstone Experience or Service Learning
- c. World Language

**Course Title** Human Development I: (19052)  
**Duration** Prenatal to Toddlers  
**Level** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen - seniors  
 Topics covered are: human development theories; influences on human growth and development; prenatal development, pregnancy and child-birth; physical, intellectual, emotional, and social development of infants and toddlers.

**Course Title** Human Development II: (19051)  
**Duration** Preschool to School Age  
**Level** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Human Development I  
**Intended for** freshmen – seniors  
 Topics covered are: preschool and school-age theories in practice; preschool and school-age theories in practice; physical, intellectual, emotional, and social development of preschool through school-age children; create of childcare settings; practices, regulations and opportunities in the child care industry; special topics related to childhood concerns, including childhood diseases, special needs, temperament and abuse and neglect, etc.; first aid/emergency training.

**Course Title** Nutrition and Wellness (22202)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen - seniors  
 Topics covered are: nutrition and wellness of individuals and families; food safety and sanitation; nutrition from production to consumption.

**Course Title** Dietetics and Nutrition (16054)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Nutrition and Wellness  
**Intended for** freshmen - seniors  
 Topics covered are: career paths and careers in dietetics and nutrition; societal trends impacting dietetics and nutrition careers; current nutrition concerns and trends; menu planning for others to meet individual needs; food safety and sanitation.

**Course Title** Human Development: (19056)  
**Duration** Adolescence to Adult  
**Level** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** junior - senior  
 This course offers student an in-depth study of people and the many relationships and issues they will encounter in a life-time, assisting them in becoming effective, productive, and healthy individuals, family members, and workers.

**Course Title** Culinary Arts I (16058)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Nutrition and Wellness & Dietetics and Nutrition (a "C" average in prerequisites preferred)  
**Intended for** sophomores - seniors  
 Topics covered are: career paths within the foodservice industry; successful customer relations; prepare and serve safe food; preventing accidents and injuries; basic culinary skills and use of food service equipment; mathematical skills essential for job performance in the foodservice industry; food selection and preparation techniques.

**Course Title** Culinary Arts II (16059)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Nutrition and Wellness & Dietetics and Nutrition & Culinary Art I

**Intended for** sophomores - seniors  
Topics covered are: career paths within the foodservice industry; societal influences on food service; food selection and preparation techniques; art of service in the food service industry; business practices in hospitality industries; communication with customers.

**Course Title** Teaching and Training as a Profession (19152)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Human Development I and Human Development II  
**Intended for** juniors – seniors

Topics covered are theories of development; curriculum instructional models; learning environments; importance of parental and community involvement; standards and goals; learning activities; reflection techniques. This course is intended for students who want to work with children in the future.

**Course Title** Interior Design (22211)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Any previous Art class is preferred  
**Intended for** freshmen - seniors

Career Opportunities; principals and elements of design; space planning; selection of interior furnishings and products; design and development of architecture and furniture.

**Course Title** Senior Experience (80019)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** None  
**Intended for** seniors (juniors with instructors permission)

The senior experience requires students to complete a research project, job shadow, assemble a portfolio, and complete an oral presentation.

**Course Title** AgriScience (18310)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** freshmen – seniors

Topics covered are: agricultural literacy and history; employability skills; agricultural career opportunities; plant science; soil science; animal science – large and small animals; animal management.

**Course Title** Advanced Animal Science (18107)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Ag I is recommended but not required  
**Intended for** freshmen - seniors

Animal Science topics covered are: animal classification; anatomy and physiology; animal selection; preventing and treating disease; biosecurity; nutrition; feed rations; breeding readiness; reproduction; animal handling; facilities and equipment; protecting the environment.

**Course Title** Fundamental Ag Mechanics (18401)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Ag I & II are recommended but not required  
**Intended for** sophomores - seniors

Agricultural Engineering is an approved lab science course designed for students who wish to gain knowledge in safety, maintenance of mechanical equipment and agricultural technology, servicing and testing mechanical systems, internal combustion engines, hydraulics, project planning, metal fabrication, and electricity.

**Course Title** Agribusiness Entrepreneurship (18202)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Ag I – III is recommended but not required  
**Intended for** juniors - seniors

Ag Business Management is designed for students who wish to gain knowledge in application of agricultural business management and operation, economic principles, business structures, decision making, budgeting, record keeping, finance, risk management, marketing, technology in business, and careers in agribusiness management.

**Course Title** AG Power Technology (18402)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** sophomores – seniors

AG Power Technology is an approved lab science course elective designed for students who wish to gain knowledge about basic engine principles, power trains, hydraulics, fuels, electrical systems, detailed maintenance, troubleshooting and repair of agricultural equipment systems, operations, maintenance and repair of small gasoline, diesel engines and electric motors, principles of operation of gasoline and diesel engines, tune-up and maintenance procedures, disassembly, overhaul and assembly, and operation of two-cycle and four-cycle engines.

**Course Title** Fundamental AG Structures Technology (18403)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** C or higher in another AG class  
**Intended for** sophomores - seniors

Ag Structures Technology is an approved lab science course elective for students who wish to learn about safety, plan creation, cost estimation, Ag structure assembly, electricity, land measurements and surveying.

**Course Title** Health Science Careers I (14001)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** juniors-seniors (sophomores with approval)

Health careers is a course intended for students who are interested in pursuing a health career. Topics covered include communications, legal responsibilities, ethics, safety practices and career exploration.

**Course Title** Health Science Careers II (14002)  
**Duration** Two Terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Health Science Careers I  
**Intended for** juniors-seniors (sophomores with approval)

Topics covered included the health care delivery system, measuring vital signs, first aid skills, and career exploration.

**Course Title** Cabinetry (17007)  
**Duration** Two Terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** sophomores-seniors

Topics covered are: safety; equipment; fasteners design assembly; blueprints; wood joints and applications

**Course Title** Intro to Building Trades (17002)  
**Duration** Two Terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** sophomores-seniors

Topics covered are: industry safety procedures; hand, power, and pneumatic tools; blueprint reading and survey techniques; construction project; plumbing applications; electrical wiring applications; concrete construction applications; drafting design concepts

**Course Title** Introduction to Arts, Audio-Video Technology & Communications (11000)  
**Duration** Two Terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** freshmen-seniors

Careers; Effect of media and technology; Tools-identification and introduction to safety.

## **FINE ARTS**

1 credit of fine art

**Course Title** Band (05101)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5 semester or 1 (all year)  
**Prerequisites** Middle School band recommended  
**Intended for** freshmen – seniors

In this course, students will improve proficiency in all aspects of reading and performing instrumental music.

**Course Title** Chorus (05110)  
**Duration** One Term  
**Level** Regular credit  
**Credit** .5 semester or 1 (all year)  
**Prerequisites** Middle school choir recommended  
**Intended for** freshmen - seniors

Students will gain knowledge of proper care for the voice, develop a working knowledge of musical terms and symbols, enhance music reading skills, demonstrate confidence and poise during public performance, and develop awareness for the arts as a vital part of lifelong learning. Several concert and contest performances are required during the school year. Weekly private lessons are available and provide students will more vocal experience and greater self-confidence. Madrigal/jazz choir begins in November. Members are chosen during the all-state chorus audition. These students participate in madrigal caroling, singing valentines, regional contest and the annual Cabaret show.

**Course Title** Creative Art Drawing (05156)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen - seniors

Focus on drawing.

**Course Title** Creative Art Drawing/Painting (05155)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Either Creative Art Drawing or Creative Art Painting  
**Intended for** freshmen - seniors

Course focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several medias.

**Course Title** Creative Art Painting (05157)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen - seniors

Focus on painting.

**Course Title** Creative Art-Comprehensive (05154)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Drawing, painting, drawing/painting, sculpture  
**Intended for** juniors- seniors/ instructor permission

Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art.

**Course Title** Creative Art Sculpture (05158)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Creative Art Painting/ Creative Art Drawing  
**Intended for** freshmen - seniors

Focus on creating three-dimensional works.

**Course Title** Drama Acting/Performance (05055)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen – seniors

Drama-Acting/Performance courses are intended to promote students' experience and skill development in one or more aspects of theatrical production, but they concentrate on acting and performance skills. Initial courses are usually introductory in nature, while the more advanced courses focus on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions.

**Course Title** Oral Interpretation (01154)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** freshmen – seniors First quarter only-performances

Forensic Speech-Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body.

**Course Title** Computer Graphics (10202)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Computer Applications  
**Intended for** sophomores - seniors

This class is about the production of visual imagery and application of graphic techniques to various fields. Topics covered include modeling, simulation, animation and image retouching.

**Course Title** Graphic Design (05162)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** Computer Applications, Computer Graphics (Must have passed computer graphics)  
**Intended for** sophomores – seniors

Graphic design course emphasizes design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computers influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

## HEALTH/WELLNESS

1 Credit of PE

<b>Course Title</b>	<b>PE/Health I</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>None</b>	
<b>Intended for</b>	<b>freshmen - seniors</b>	

Health topics include: Your Health & Wellness, Your Mental & Emotional Health, Building Healthy Relationships, Adolescence – A Time of Change, Infectious Diseases and Sexually Transmitted Diseases. Physical activities may vary by class size; possible activities include: Speedball, Eclipse Ball, and Bowling.

<b>Course Title</b>	<b>PE/Health II</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>PE/Health I</b>	
<b>Intended for</b>	<b>freshmen - seniors</b>	

Health topics include: Making Health Choices, Managing Stress, Peer Relationships, Resolving Conflicts and Preventing Violence, Your Body's Reproductive System, The Life Cycle Continues and HIV and AIDS. Physical activities may vary by class size; possible activities include Archery, Badminton, and Bowling.

<b>Course Title</b>	<b>Fitness for Life</b>	<b>(08016)</b>	
<b>Duration</b>	<b>Two terms</b>		
<b>Level</b>	<b>Regular Credit</b>		
<b>Credit</b>	<b>1</b>		
<b>Prerequisites</b>	<b>None</b>		
<b>Intended for</b>	<b>juniors-seniors</b>		

This course emphasizes acquiring knowledge and skills of lifetime physical fitness and participating in habit-forming lifetime fitness activities. Content may include nutrition, stress management, consumer issues, etc. Students are encouraged to develop and implement a personal fitness plan.

## **LANGUAGE ARTS & COMMUNICATIONS**

4 units of Language Arts- must include:

- a. English/Composition I- 1 unit
- b. English/Literature II-.5 unit
- c. Speech I- .5 unit
- d. English/Composition III-.5 unit
- e. American Literature-.5 unit
- f. English/Language Arts IV-1 unit

<b>Course Title</b>	<b>English/Language Arts I</b>	<b>(01101)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>1</b>		
<b>Prerequisites</b>	<b>English 8</b>		
<b>Intended for</b>	<b>freshmen</b>		

English/Composition courses build upon previous writing skills. These courses seek to develop the writing processes and practices necessary for producing successful high school compositions. Students typically learn to write persuasive, critical, and creative multi paragraph essays and compositions.

<b>Course Title</b>	<b>English/Literature II</b>	<b>(01051)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>.5</b>		
<b>Prerequisites</b>	<b>English/Language Arts I</b>		
<b>Intended for</b>	<b>sophomores</b>		

English/Literature typically introduces them to two or more genres of literature. Exploration of each genre's literary elements; determination of theme and intent; and examination of vocabulary and semantics are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension.

<b>Course Title</b>	<b>Speech I</b>	<b>(01151)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>.5</b>		
<b>Prerequisites</b>	<b>English/Language Arts I</b>		
<b>Intended for</b>	<b>sophomores</b>		

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations. Course topics may include research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self confidence.

<b>Course Title</b>	<b>English/Composition III</b>	<b>(01102)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>.5</b>		
<b>Prerequisites</b>	<b>English/Language Arts I, English/Literature II, Speech I</b>		
<b>Intended for</b>	<b>juniors</b>		

This course consists of American literature with vocabulary, composition, grammar, and speech and ACT preparation. For American literature, students will study drama, short stories, poetry, novels, and non-fiction. The vocabulary studies will concern words found in the literature. Students will be writing and speaking in response to literature, personal experience, and personal ideas. Students will also work on problem-solving skills in groups.

<b>Course Title</b>	<b>American Literature</b>	<b>(01054)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>.5</b>		
<b>Prerequisites</b>	<b>English/Language Arts I, English/Literature II, Speech I</b>		
<b>Intended for</b>	<b>juniors</b>		

Courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how they understand how the literature reflects the society of the time.

<b>Course Title</b>	<b>English/Language Arts IV</b>	<b>(01104)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>		
<b>Level</b>	<b>Regular credit</b>		
<b>Credit</b>	<b>1</b>		
<b>Prerequisites</b>	<b>English/Language Arts I, English/Literature II, Speech I, American Literature, English/Composition III</b>		
<b>Intended for</b>	<b>seniors</b>		

Courses emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduce and explore more advanced literary techniques through two or more literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical-thinking and analytic skills.

<b>Course Title</b>	<b>AP English Literature and Composition</b>	<b>(01006)</b>	
<b>Duration</b>	<b>Two terms</b>		
<b>Level</b>	<b>Weighted credit</b>		
<b>Credit</b>	<b>1.25</b>		
<b>Prerequisites</b>	<b>3.0 GPA recommended</b>		
<b>Intended for</b>	<b>juniors-seniors</b>		

Students study the language, character, action, and theme in works of recognized literary merit, enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own.

**Course Title** AP English Language and Compositions (01005)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** 3.0 GPA recommended  
**Intended for** juniors-seniors

These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

**Course Title** Journalism (Independent) (11101)  
**Duration** One term  
**Level** Regular credit  
**Credit** .25  
**Prerequisites** (approval from advisor required)  
**Intended for** freshmen - seniors

This course is designed to provide student the opportunity to develop journalist skills while producing the school yearbook. Students must be dependable, trustworthy, and self motivated.

## **MATH**

3 units of Mathematics- must include:

- a. Algebra I- 1 unit
- b. \*Algebra II- 1 unit
- c. \*Geometry- 1 unit

\*With school and parent/guardian approval, a student may be excused from this course in favor of a more appropriate course. A student may be excused from Algebra II or Geometry, but not both. A student is still required to take three units of math.

**Course Title** General Math (02002)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** 8<sup>th</sup> grade math  
**Intended for** freshmen – seniors

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

**Course Title** Pre- Algebra (02051)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** 8<sup>th</sup> Grade Math  
**Intended for** freshmen - seniors

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers, ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

**Course Title** Consumer Math (02157)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** 8<sup>th</sup> grade math  
**Intended for** freshmen – seniors

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

**Course Title** Algebra I (02052) **Required**  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** 7<sup>th</sup> grade math; 8<sup>th</sup> grade math recommended  
**Intended for** freshmen – seniors; eighth grade students only with special approval

Algebra I courses included the study of properties and operations of the real number system; evaluation rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simples quadratic equations.

**Course Title** Geometry (02072) **Required**  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Algebra I  
**Intended for** freshmen - seniors

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plan and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates. Theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportions; and rules of angle measurement in triangles.

**Course Title** Algebra II (02056) **Required**  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** Algebra I, Geometry with B- or higher  
**Intended for** sophomores - seniors

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions, factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. This course is prep work for students who will either intend to continue math classes at WASD and will be attending a college or university after high school.

**Course Title** Accelerated Algebra II (02058) **Required**  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Algebra I, Geometry with B- or higher  
**Intended for** sophomores - seniors

Accelerated Algebra II courses cover the topics of the traditional Algebra II course in greater depth. These topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

**Course Title** Pre-Calculus (02110)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Algebra I, Geometry, Algebra II  
**Intended for** juniors - seniors

This class will prepare students for science, engineering, and college mathematics courses. Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

**Course Title** Trigonometry (02103)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Algebra I, Geometry, Algebra II, Pre-Calculus  
**Intended for** juniors-seniors

Trigonometry courses prepare students for eventual work in calculus and typically include the following topics; trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

**Course Title** AP Calculus AB (02124)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** Algebra I, Geometry, Algebra II, 3.0 GPA recommended  
**Intended for** seniors

These courses introduce calculus and include the following topics; elementary functions; properties of functions and their graphs; limits and continuity; differential calculus; and integral calculus.

**Course Title** AP Statistics (02203)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** Algebra I, Geometry, Algebra II, 3.0 GPA recommended  
**Intended for** seniors

AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes; exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

## **SECOND LANGUAGES**

(No SD graduation requirement; but some out of state institutions require two years)  
 1 unit of the following-any combinations for class 2014 and beyond:

- a. Approved Career & Technical Education
- b. Capstone Experience or Service Learning
- c. World Language

**Course Title** Spanish I (06101)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** (a "B" average in English is encouraged)  
**Intended for** freshmen - seniors

Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

**Course Title** Spanish II (06102)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Spanish I (a "B" average is encouraged)  
**Intended for** freshmen - seniors

Spanish II courses build upon skills developed in Spanish I, extending students' abilities to understand and express themselves in Spanish and increasing their vocabulary. Students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken.



**Course Title** Spanish III (06103)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Spanish I, Spanish II (a "B" average is encouraged)  
**Intended for** sophomores – seniors

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

**Course Title** German I (06201)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** (a "B" average in English is encouraged)  
**Intended for** freshmen - seniors

German I introduces students to German language and culture, emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German speaking people.

**Course Title** German II (06202)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** German I (a "B" average is encouraged)  
**Intended for** freshmen – seniors

German II builds skills developed in German I, extending students' ability to understand and express themselves in German and increasing their vocabulary. Students learn to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture.

**Course Title** French I (06121)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** (a "B" average in English is encouraged)  
**Intended for** freshmen – seniors

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that student can read, write, speak, and understand the language at a basic level within predictable areas of needs, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people

**Course Title** French II (06121)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** French I  
**Intended for** freshmen – seniors

French II courses build upon skills developed in French I, extending students' abilities to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepening their understanding of the culture.

## SCIENCES

3 units of Lab Science-must include:

- a. Biology- 1 unit
- b. Physical Science- 1 unit
- c. \*Chemistry of Physics- 1 unit

<b>Course Title</b>	<b>Physical Science (03159)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Regular Credit</b>	
<b>Credit</b>	<b>1</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>freshmen - seniors</b>	

Physical Science courses involve study of the structures and states of matter. Includes topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

<b>Course Title</b>	<b>Biology (03051)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>1</b>	
<b>Prerequisites</b>	<b>Physical Science</b>	
<b>Intended for</b>	<b>sophomores</b>	

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These topics include cell structure and function, general plan and animal physiology, genetics, and taxonomy.

<b>Course Title</b>	<b>Biology Advanced Studies (03052)</b>	
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>1</b>	
<b>Credit</b>	<b>Weighted credit</b>	
<b>Prerequisites</b>	<b>Biology I</b>	
<b>Intended for</b>	<b>juniors and seniors</b>	

Biology II covers biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.

**Course Title** Environmental Science (03003)  
**Duration** Two terms  
**Level** Regular credit  
**Credit** 1  
**Prerequisites** none  
**Intended for** sophomores – seniors

Environmental Science courses examine the mutual relationship between organisms and their environment. In studying the interrelationship among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

**Course Title** Chemistry (03101) **\*Required**  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Algebra I, Physical Science  
**Intended for** juniors and seniors

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids and gases; acid/base and oxidation/reductions reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

**Course Title** Chemistry Advanced Studies (03102)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Applied Chemistry or Chemistry I  
**Intended for** juniors – seniors

Advanced Studies courses cover chemical properties and interactions in more detail. Topics include: organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

**Course Title** Physics (03151) **\*Required**  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Physical Science, Algebra II  
**Intended for** juniors and/or seniors

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationship between matter and energy. The study of physics includes examination of sound, light, and magnetic phenomena.

**Course Title** Physics Advanced Studies (03152)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1  
**Prerequisites** Physics I, Physical Science, Algebra II  
**Intended for** juniors and/or seniors

Physics II provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

**Course Title** Earth and Space Science (03008)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** sophomores-seniors

Earth and Space Science course introduce students to the study of the earth from local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics would often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as complex and changing planet.

**Course Title** Astronomy (03004)  
**Duration** One term  
**Level** Regular credit  
**Credit** .5  
**Prerequisites** none  
**Intended for** sophomores-seniors

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space and time.

**Course Title** AP Biology (03056)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** 3.0 GPA recommended  
**Intended for** junior-seniors

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations. AP Biology courses include college-level laboratory experiments.

**Course Title** AP Physics B (03151)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** 3.0 GPA recommended  
**Intended for** junior-seniors

Provide a systematic introduction to the main principles of physics and emphasize problems solving without calculus. Course content includes: mechanics, electricity and magnetism, modern physics, waves and optics, and kinetic theory and thermodynamics.

**Course Title** AP Chemistry (03106)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** 3.0 GPA recommended  
**Intended for** junior-seniors

Topics covered may include atomic theory and structure, chemical bonding; nuclear chemistry; states of matter; and reactions.

## SOCIAL SCIENCES

3 units of Social Sciences- must include:

- a. U.S. History- 1 unit
- b. U.S. Government- 1 unit
- c. Modern World History- .5 unit
- d. World Geography- .5 unit

<b>Course Title</b>	<b>Modern World History (04053)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>sophomores</b>	

Modern World History provide an overview of history of human society in the past few centuries- from the Renaissance period, or later, to the contemporary period-exploring political, economic, social, religious, military, scientific, and cultural development.

<b>Course Title</b>	<b>World Geography (04001)</b>	<b>Required</b>
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>freshmen</b>	

World Geography courses provide students with the overview of world geography. Topics include: physical environment, the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods and ideas.

<b>Course Title</b>	<b>U.S. History Comprehensive (04101)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>1</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b> juniors</b>	

This course is a thematic and chronological overview of events and personalities in American History from 1620 to the present. Events and personalities are studied using political, social, and economic perspectives. By studying history, students will develop an understanding of cause and effect relationships. Students will also realize that the experiences of the past enable us to understand the present and allow us to envision the possibilities of the future.

<b>Course Title</b>	<b>International Relations (04155)</b>	
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>1</b>	
<b>Prerequisites</b>	<b>(a "C" average in Geography is preferred)</b>	
<b>Intended for</b>	<b>juniors – seniors (sophomores with instructor permission)</b>	

International Relations courses provide students with an introduction to the relationships that exist among nations, including an examination of the modern state; the foreign policies of nations; the dynamics of nationalism, ideology, and the culture; and the role of international organizations.

<b>Course Title</b>	<b>U.S. Government Comprehensive (04151)</b>	<b>Required</b>
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>1</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>seniors</b>	

US Government provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course may examine the structure and function of state and local governments and may cover certain economic and legal topics.

<b>Course Title</b>	<b>Sociology (04258)</b>	
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>juniors – seniors; sophomores w/ instructor's permission</b>	

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, topics include: social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

<b>Course Title</b>	<b>Psychology (04254)</b>	
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Regular credit</b>	
<b>Credit</b>	<b>.5</b>	
<b>Prerequisites</b>	<b>none</b>	
<b>Intended for</b>	<b>juniors – seniors; sophomores w/ instructor's permission</b>	

Psychology courses introduce students to the study of individual human behavior. Course content includes: and overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal physiology.

<b>Course Title</b>	<b>AP Government Comprehensive (04159)</b>	
<b>Duration</b>	<b>Two terms</b>	
<b>Level</b>	<b>Weighted credit</b>	
<b>Credit</b>	<b>1.25</b>	
<b>Prerequisites</b>	<b>3.0 GPA recommended</b>	
<b>Intended for</b>	<b>juniors – seniors</b>	

AP Government course prepare students for the AP exam in both US Government and Politics and comparative government and politics. Course content includes the topics covered in those two separate courses as described above.

<b>Course Title</b>	<b>AP Psychology (04254)</b>	
<b>Duration</b>	<b>One term</b>	
<b>Level</b>	<b>Weighted credit</b>	
<b>Credit</b>	<b>1.25</b>	
<b>Prerequisites</b>	<b>3.0 GPA recommended</b>	
<b>Intended for</b>	<b>juniors – seniors</b>	

AP Psychology courses introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science practice.

**Course Title** AP US History (04104)  
**Duration** Two terms  
**Level** Weighted credit  
**Credit** 1.25  
**Prerequisites** 3.0 GPA recommended  
**Intended for** juniors – seniors

AP US History provides students with the analytical skills and factual knowledge necessary to address critically problems and materials in US History. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

## SERVICE LEARNING

**Course Title** Student Aiding Position (22055)  
**Duration** Options: Two terms, full block (85 minutes)  
 One term, full block (90 minutes)  
 One term, half block (45 minutes)  
**Level** Regular credit  
**Credit** In relation to the options: .5  
 .25  
 .125

**Prerequisites** none  
**Intended for** freshmen - seniors

A student assists the supervising staff person with the daily routine following the criteria set by the assigned department and principal. Various assignments include office, nurse, teacher, library, and computer. Assignments will vary according to the needs of the various departments. Up to 1 elective credit toward graduation will be permitted in the service learning area. Some assignments are accepted without credit; however, those students opting for a credit placement will have priority.

## DUAL COLLEGE CLASSES

**College Credit Courses:** tuition and text books are the responsibility of the student. Students must have the approval of the Supt/HS Principal to be enrolled. College credit courses are 1, 2, 3 credits per semester. 3.0 GPA recommended

**Dual Credits** (A student taking a college credit course receives a weighted 1.25 WHS transcribed credit whether the college credit course transcribes as a 1, 2, or 3 college credit course from the delivering institution) {Students passing ANY CLEP test receive 1.25 total credit and a weighted "B" if the CLEP score is 50-59 & a weighted "A" if the score if 60 or higher; passing is 50}

**Examples of college credit options taken in the past:**

- Composition I
- Composition II
- College Algebra
- Medical Terminology

- Introduction to Sociology
- History of Western Civilization
- General Psychology
- Introduction to Criminal Justice

Quick Reference of AP classes paid for by the State of South Dakota (textbooks bought at school expense), other AP classes available but at student's expense.

- AP Calculus AB
- AP English Literature & Composition
- AP English Language & Composition
- AP Biology
- AP Physics B
- AP Statistics
- AP Chemistry

## **Business Work-based Experience**

**Course Title** Business Work-Based Experience (12998)  
**Duration** One term \*  
**Level** Regular Credit  
**Credit** .25/term  
**Prerequisites** Good standing with the administration/attendance  
**Intended for** juniors – seniors

**A total of one (1) credit may be used toward WHS graduation credits. Formerly called Sales & Marketing, Workplace Experience courses provide students with work experience in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.**