

Webster Area High School

Course Descriptions

LANGUAGE ARTS & COMMUNICATIONS

4 units of Language Arts- must include:

- English/Composition I- 1 unit
- English/Literature II-.5 unit/ Speech I- .5 unit
- English/Composition III-.5 unit/ American Literature-.5 unit
- English/Language Arts IV-1 unit

Course Title	English/Language Arts I (01001) Required
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	English 8
Intended for	freshmen

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.

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

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.

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

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.

Course Title	English/Composition III (01102) Required
Duration	Quarter

Level	Regular credit
Credit	.5
Prerequisites	English/Language Arts I, English/Literature II,
Speech I	
Intended for	junior
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.	

Course Title	American Literature (01054) Required
Duration	Quarter
Level	Regular credit
Credit	.5
Prerequisites	English/Language Arts I, English/Literature II,
Speech I	
Intended for	junior
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 the literature reflects the society of the time.	

Course Title	English/Language Arts IV (01004) Required
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	English/Language Arts I, English/Literature II,
Speech I, American Literature, English/Composition III	
Intended for	senior
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.	

Course Title	Journalism (Independent) (11101)
Duration	Quarter—can take multiple quarters/repeatable
Level	Regular credit
Credit	.25/quarter
Prerequisites	(approval from advisor required)
Intended for	freshmen – senior
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.	

Webster Area High School

Course Descriptions

MATH

3 units of Mathematics- must include:

- a. Algebra I- 1 unit
- b. 2 units of Math

Course Title	Pre- Algebra	(02051)
Duration	Semester	
Level	Regular credit	
Credit	1	
Prerequisites	8th Grade Math recommended	
Intended for	freshmen	

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	Algebra I	(02052)	Required
Duration	Semester		
Level	Regular credit		
Credit	1		
Prerequisites	8th grade math recommended C or Higher		
Intended for	freshmen		

Algebra I course 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)
Duration	Two terms	
Level	Regular credit	
Credit	1	
Prerequisites	Algebra I	
Intended for	sophomore	

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)
Duration	Semester	
Level	Regular credit	
Credit	1	
Prerequisites	Algebra I, Geometry with B- or higher	
Intended for	sophomores - senior	

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)
Duration	Semester	
Level	Weighted credit	
Credit	1	
Prerequisites	Algebra I, Geometry with B- or higher	
Intended for	sophomores - senior	

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	Semester	
Level	Weighted credit	
Credit	1	
Prerequisites	Algebra I, Geometry, Algebra II	
Intended for	junior - senior	

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.

Webster Area High School

Course Descriptions

SCIENCES

3 units of Lab Science-must include:

- Biology- 1 unit
- 2 units of Lab Sciences

Course Title	Physical Science (03159)
Duration	Semester
Level	Regular Credit
Credit	1
Prerequisites	none
Intended for	freshmen - senior

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

Course Title	Biology (03051) Required
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	Physical Science
Intended for	sophomore

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.

Course Title	Biology Advanced Studies (03052)
Duration	Semester
Level	1
Credit	Weighted credit
Prerequisites	Biology I
Intended for	junior and senior

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	Semester
Level	Regular Credit
Credit	1
Prerequisites	none
Intended for	freshmen – senior

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)
Duration	Semester
Level	Weighted credit
Credit	1
Prerequisites	Algebra I, Physical Science
Intended for	junior and senior

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	Earth and Space Science (03001) Online
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen-seniors

Earth and Space Science course introduces students to the study of the earth from local and global perspectives. 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	PLTW Biomedical Science (03066)
(CTE-Health Science Endorsement)	
Duration	Semester
Level	Weighted Credit
Credit	1
Prerequisites	Biology
Intended for	junior-senior (sophomores with approval)

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

Webster Area High School

Course Descriptions

Course Title PLTW Human Body Systems (03067)
(CTE-Health Science Endorsement)

Duration Semester

Level Weighted Credit

Credit 1

Prerequisites Biology

Intended for junior-senior (sophomores with approval)

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration.

SOCIAL SCIENCES

3 units of Social Sciences- must include:

- U.S. History- 1 unit
- U.S. Government- 1 unit
- Modern World History- .5 unit
- World Geography- .5 unit

Course Title World Geography (04001) Required

Duration Quarter

Level Regular credit

Credit .5

Prerequisites none

Intended for freshmen

World Geography courses provide students with an 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.

Course Title Modern World History (04053) Required

Duration Quarter

Level Regular credit

Credit .5

Prerequisites none

Intended for sophomore

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.

Course Title U.S. History Comprehensive (04101) Required

Duration Semester

Level Regular credit

Credit 1

Prerequisites none

Intended for junior

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.

Course Title U.S. Government (04151) Required

Duration Semester

Level Regular credit

Credit 1

Prerequisites none

Intended for seniors

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.

Personal Finance

.5 Credit

Course Title Personal Finance (19262) CTE-Bus. Endorsement

Duration Quarter

Level Regular credit

Credit .5

Prerequisites None

Intended for Senior

Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.

Webster Area High School

Course Descriptions

HEALTH/ WELLNESS

1 Credit of PE/Health

Course Title	PE/Health I	Required	(08001)
Duration	Quarter		
Level	Regular credit		
Credit	.5		
Prerequisites	None		
Intended for	freshmen		

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.

Course Title	PE/Health II	Required	(08051)
Duration	Quarter		
Level	Regular credit		
Credit	.5		
Prerequisites	PE/Health I		
Intended for	sophomore		

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.

FINE ARTS

1 credit of Fine Arts

Course Title	Band (05101)
Duration	Repeatable
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 - senior**

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 with 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 - senior

Focus on drawing.

Course Title	Creative Art Painting (05157)
Duration	Quarter
Level	Regular credit
Credit	.5
Prerequisites	none
Intended for	freshmen - senior

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- senior/ 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	sophomore- senior

Focus on creating three-dimensional works.

Webster Area High School

Course Descriptions

Course Title	Graphic Design (05162)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen-senior

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.

CAREER AND TECHNICAL EDUCATION

1 unit of the following-any combinations for class 2018 and beyond:

- Approved Career & Technical Education
- Capstone Experience or Service Learning
- 2 Classes in any CTE and Silver or higher on NCRC=Adv. Career Endorsement

Course Title	Youth Internships (80018) Required
Duration	Quarter
Level	Regular credit
Credit	.5
Prerequisites	None
Intended for	seniors

Youth Internships requires students to complete a research project, job shadow, assemble a portfolio, and complete an oral presentation.

Human Services Endorsement

Course Title	Human Development I: (19052)
Duration	Prenatal to Toddlers
Level	Quarter
Credit	Regular credit
Prerequisites	.5
Prerequisites	none
Intended for	freshmen - senior

Topics covered are human development theories; influences on human growth and development; prenatal development, pregnancy and childbirth; physical, intellectual, emotional, and social development of infants and toddlers.

Course Title	Human Development II: (19051)
Duration	Preschool to School Age
Level	Quarter
Credit	Regular credit
Prerequisites	.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 childcare industry; special topics related to childhood concerns, including childhood diseases, special needs, temperament and abuse and neglect, etc.; first aid/emergency training.

Course Title	Interior Design (22211)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	Any previous Art class is preferred
Intended for	freshmen - senior

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

Hospitality and Tourism Endorsement

Course Title	Nutrition and Wellness (22202)
Duration	Semester
Level	Regular credit
Credit	1
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	Culinary Arts I (16058)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	Nutrition and Wellness
Prerequisites	(a "C" average in perquisites preferred)
Intended for	sophomore - senior

Topics covered are career paths within the foodservice industry; successful customer relations; prepare and serve safe food; preventing accidents and injuries; basic

Webster Area High School

Course Descriptions

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 Semester
Level Regular credit
Credit 1
Prerequisites Nutrition and Wellness & Culinary Art I (a "C" average in perquisites preferred)
Intended for junior - senior

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.

Agriculture and Natural Resources Endorsement

*Offered on a rotating basis

Course Title Intro to Ag and Natural Resources (18001)
Duration Semester
Level Regular credit
Credit 1
Prerequisites none
Intended for freshmen - senior

Introduction to Agriculture and Natural Resources courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and career opportunities and those in related fields. These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. These courses often focus on developing communication skills, scientific research, types of business ownership, business principles, and leadership skills.

Course Title Fundamental Animal Science (18101)
Duration Semester
Level Regular credit
Credit 1
Prerequisites none
Intended for freshmen - senior

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 Advanced Animal Science (18107)

Duration Semester
Level Regular credit
Credit 1
Prerequisites Fundamental Animal Science
Intended for sophomore - senior

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 Plant Science (18051)
Duration Semester
Level Regular credit
Credit 1
Prerequisites none
Intended for freshman - senior

Fundamental Plant Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. These courses may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

Course Title Fundamental AG Structures Tech (18403)
Duration Semester
Level Regular credit
Credit 1
Prerequisites C or higher in another AG class
Intended for sophomore - senior

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 Fundamental Ag Mechanics (18401)
Duration Semester
Level Regular credit
Credit 1
Prerequisites none
Intended for freshmen-senior

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.

Webster Area High School

Course Descriptions

Course Title	Agribusiness Management (18202)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	Ag I
Intended for	junior - senior

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	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	sophomore – senior

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	Wildlife and Fisheries (18501)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen – senior

Wildlife and Fisheries courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non domesticated animals to thrive. These courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations. Students may also learn how to manage wildlife and lands for recreational purposes.

Architecture and Construction Endorsement

Course Title	Finish Carpentry (17007)
Duration	Semester
Level	Regular credit

Credit	1
Prerequisites	none
Intended for	freshmen-senior

Students will gain insight into the career within construction by developing practical skills such as safety on the jobsite, construction math, use of hand/power/pneumatic tools, basic residential blueprint reading, basic land surveying techniques, building construction, plumbing, electrical, concrete, employability skills and career exploration required to succeed in the construction industry.

Course Title	Construction Trades (17002)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen-senior

Students will gain insight into the career within construction by developing practical skills such as safety on the jobsite, construction math, use of hand/power/pneumatic tools, basic residential blueprint reading, basic land surveying techniques, building construction, plumbing, electrical, concrete, employability skills and career exploration required to succeed in the construction industry.

Course Title	Introduction to Arch/Construction (17006)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen-senior

This course will prepare students to delve into the architecture and construction industry. It covers all three construction career pathways offered, including architecture/drafting along with cabinetry and building construction. Students will explore many different topics where they will be able to complete hands-on activities to enhance the learning process.

Manufacturing Endorsement

Course Title	Welding I (13207)
Duration	Semester
Level	Regular credit
Credit	1
Prerequisites	none
Intended for	freshmen-senior

Welding courses enable students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to

Webster Area High School

Course Descriptions

identify, select, and rate appropriate techniques. These courses may prepare students to pass relevant industry certifications.

Course Title **Advanced Welding** **(13208)**
Duration **Semester**
Level **Regular credit**
Credit **1**
Prerequisites **Welding I**
Intended for **sophomore-senior**

In these courses students gain knowledge and skills in particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.

Arts, Audio, and Visual Endorsement

Course Title **Introduction to Art & A/V** **(11000)**
Duration **Quarter**
Level **Regular credit**
Credit **.5**
Prerequisites **none**
Intended for **freshmen-seniors**

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

Course Title **Multi-media** **(10203)**
Duration **Semester**
Level **Regular credit**
Credit **1**
Prerequisites **none**
Intended for **freshmen-senior**

Multimedia Design gives students experience and knowledge in all forms of mixed media and content. Multimedia presentations combine text, graphics, animation, images and sound from a wide range of media, such as films, newspapers, magazines, online information, television, videos, streaming and electronic media generated images. Students will learn how to select the appropriate medium for each element of the presentation and gauge the needs of clients and the intended audience.

Course Title **Digital Production** **(11153)**
Duration **Semester**
Level **Regular credit**
Credit **1**
Prerequisites **none**
Intended for **freshmen-senior**

Digital Production for Entertainment prepares students to extend their knowledge of computer programing and design. Students will be given opportunities to design,

implement, and present meaningful entertainment through a variety of media generated images. Students will learn how to select the appropriate medium for each element of the presentation and gauge the needs of clients and the intended audience.

Course Title **Digital Animation** **(10207)**
Duration **Semester**
Level **Regular credit**
Credit **.5**
Prerequisites **none**
Intended for **freshmen-senior**

Digital Animation explores Legal and Ethical Issues, Career Opportunities, Use of Animations, Animation Software Tools, Basic Animation Techniques, Interactivity in Animation, and how to Publish Animated Movies.

Course Title **Photography I** **(11054)**
Duration **Semester**
Level **Regular credit**
Credit **1**
Prerequisites **none**
Intended for **freshmen-senior**

Photography I course provides students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting, and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations.

Course Title **Photography II** **(11052)**
Duration **Quarter**
Level **Regular credit**
Credit **.5**
Prerequisites **none**
Intended for **freshmen-senior**

Photography II courses provide instruction in the use of cameras and laboratory film-processing techniques. Topics covered in the course include composition and color dynamics; contact printing; enlarging; developing audio and visual images; use of camera meters, air brushes, and other photographic equipment; portrait, commercial, and industrial photography; processing microfilm; and preparing copy for printing or for graphic arts processing.

Course Title **Broadcasting**
Duration **Yearlong independent course**
Level **Regular credit**
Credit **1**
Prerequisites **none**

Webster Area High School

Course Descriptions

Intended for **freshmen-seniors**

Broadcasting Technology courses provide students with the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact.

SERVICE LEARNING

Course Title	Student Aiding Position (22055)
Duration	
Options:	45 or 90 minutes for quarter or semester
Level	Regular credit
Credit	In relation to the options: .5, .25, .125
Prerequisites	none
Intended for	freshmen - senior

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.

Business Work-based Experience

Course Title	Business Work-Based Experience (12998)
Duration	Quarter
Level	Regular credit
Credit	none
Prerequisites	Good standing with the
administration/attendance	
Intended for	junior – senior

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.

NSU E-Learning Classes

Business-NSU

Course Title	Accounting I (12104) Blended
Duration	Year long
Level	Regular Credit
Credit	1
Prerequisites	none
Intended for	sophomore - senior

Accounting I introduces concepts and principles based on a double entry system of maintaining electronic and manual financial records for sole proprietorship, partnership, and corporation. Course content includes the recording and completion of the accounting cycle, payroll, taxes, adjustments, and financial statements.

Course Title	Business Law (12054) Online
Duration	Spring term
Level	Regular credit
Credit	.5
Prerequisites	none
Intended for	juniors - senior

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	Introduction to Business (12051) Online
Duration	Fall term
Level	Regular credit
Credit	.5
Prerequisites	none
Intended for	freshmen – senior

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.

Social Studies-NSU

Course Title	Introduction to Law and Public Safety (15001)
Duration	One term (Fall/Spring) Online
Level	Regular credit
Credit	.5
Prerequisites	none
Intended for	freshmen – senior

Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include, but are not limited to, public safety, police, fire,

Webster Area High School

Course Descriptions

emergency services, law, forensics, corrections, fire/EMS and homeland security issues. Course activities depend upon the career clusters that students explore.

Course Title **Sociology** **(04258) Online**
Duration **Fall term**
Level **Regular credit**
Credit **.5**
Prerequisites **none**
Intended for **juniors – senior**

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.

Course Title **Psychology** **(04254) Online**
Duration **Spring term**
Level **Regular credit**
Credit **.5**
Prerequisites **none**
Intended for **juniors-senior**

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

World Language-NSU

(Not a SD graduation requirement; but some out of state institutions require two years)

- 1 unit of the following-any combinations for class 2018 and beyond. Advanced Honors Diploma requires 2 units.
- a. Approved Career & Technical Education
 - b. Capstone Experience or Service Learning
 - c. World Language

Course Title **Spanish I** **(24052) Online or DDN**
Duration **Year long**
Level **Regular credit**
Credit **1**
Prerequisites **(a "B" average in English is encouraged)**
Intended for **freshmen - senior**

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** **(24053) Online**
Duration **Year long**
Level **Weighted credit**
Credit **1**
Prerequisites **Spanish I-C or higher**
Intended for **sophomore - senior**

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** **(24054) Online**
Duration **Year long**
Level **Weighted credit**
Credit **1**
Prerequisites **Spanish I, Spanish II – C or higher**
Intended for **junior – senior**

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.

Math and Science-NSU

Course Title **Consumer Math** **(02157) Blended**
Duration **Year long**
Level **Regular credit**
Credit **1**
Prerequisites **Algebra I**
Intended for **sophomore – senior**

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 **AP Calculus AB** **(02124) Online**
Duration **Year long**
Level **Weighted credit**
Credit **1.25**

Webster Area High School

Course Descriptions

Prerequisites Before studying calculus, all students should complete three or four years of secondary mathematics designed for college-bound students, courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions.

Intended for **junior-senior**

AP Calculus AB follows the College Board's suggested curriculum designed to parallel a first-semester college calculus course. The course topics include concepts and skills of limits, derivatives, definite integrals and the Fundamental Theorem of Calculus. Students are introduced to new ways of thinking about math, including graphical, numerical and analytical approaches; modeling; problem solving; and analysis emphasizing real-life data.

Course Title **AP Statistics (02203) Online**

Duration **Year long**
Level **Weighted credit**
Credit **1.25**

Prerequisites Algebra II (Before studying statistics, all students should complete three or four years of secondary mathematics designed for college-bound students, courses in which they study algebra, geometry.)

Intended for **junior-senior**

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, 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.

Course Title **Physics (03165) Online**

Duration **Year long**
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 **AP Physics B (03151) Online**

Duration **Year long**
Level **Weighted credit**
Credit **1.25**

Prerequisites **Alg. I and Alg. II**
Intended for **junior-senior**

This is a college-prep physics course with a problem-solving component. It introduces students to the principles and methods of physics and shows them how these principles are applied in order to explain the phenomena of the physical world. The inquiry-based laboratory experiences and demonstrations will give the students insight into how experimentation leads to the discovery of new scientific principles. Cooperative attitudes will be nurtured through the use of group activities.

Course Title **AP Chemistry (03106) Online**

Duration **Year long**
Level **Weighted credit**
Credit **1.25**
Prerequisites **Chemistry**
Intended for **junior-senior**

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding of intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Chemistry courses include college-level laboratory investigations.

Course Title **AP Biology (03056)**

Duration **Year long**
Level **Weighted credit**
Credit **1.25**
Prerequisites **Chemistry strongly recommended**
Intended for **junior-senior**

AP Biology is a rigorous and challenging course, which is the equivalent of an introductory college biology course. AP Biology incorporates inquiry-based hands-on and virtual labs to promote critical thinking skills and reinforce the concepts and processes being learned. Students will learn experimental design that will help with developing, performing, and analyzing biology laboratories experiences. In addition, skills learned in this class will help students prepare for the Science Reasoning portion of the ACT exam.

Other NSU E-Learning classes are available upon request.