

BUFFALO

HIGH SCHOOL

2024-2025

Course Description Book



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Dear Parents and Guardians,

Registration time offers a good opportunity to discuss a student's past accomplishments and future goals. In order for a student to select those courses that are in his/her best interest, it is important for parents to be actively involved. Too many graduates express that they wish they had taken specific courses designed to meet their individual needs, rather than some course selected without proper consideration for their future plans.

It is the desire of the administration and staff at Buffalo High School, that students be prepared as adequately as possible for ANY option. Because you are vitally interested in your child's education, we are asking for your input as your student creates his/her schedule for the upcoming school year.

Each student will choose a minimum of eight courses and then list two alternate courses in order of preference. We will make every effort to schedule students into the elective classes chosen. A wide range of elective courses are offered at Buffalo High School; however, because the majority of these classes are offered only once per school day, we may be forced to make changes during the scheduling process; hence, the alternate choices.

Following you will find the current graduation requirements at Buffalo High School, the recommended college entrance requirements at most major colleges, the Hathaway Scholarship requirements, and the NCAA Freshmen Eligibility requirements for Division I and Division II college athletic participation. If you have any questions or concerns, please feel free to call the School's Counselor at (307) 684-2260 anytime during the school day.

BHS GRADUATION REQUIREMENTS

To graduate from Buffalo High School, a student must meet the following requirements:

- Earn a minimum of 28 credits in grades 9 – 12
- Be proficient in the principles of the Wyoming Constitution as demonstrated by passing the American Government Class or an equivalent transfer course
- Meet the following credit requirements:

English	4 credits
Social Studies (World History, US History, American Government)	3 credits
Science (1 Biological Science)	3 credits
Mathematics	3 credits
Physical Education (2 years required)	2 credits
Elective Classes	9 credits

For students seeking attendance at a major university, we highly recommend two or more years of Foreign Language in addition to the expected core requirements.

Minimum requirements for graduation = 28 credits.

A credit is equivalent to the **successful** completion (grade of D or better) of two semesters of work in that subject. There is **ONE** diploma granted through Buffalo High School. Transcripts will indicate level of achievement.

UNIVERSITY OF WYOMING ADMISSION STANDARDS

A cumulative, unweighted high school GPA of 3.0 (on a 4.0 scale)

A minimum composite ACT score of 21 or SAT* score of 1060

Completion of the following while attending high school:

4 years English

4 years Math* (must include Algebra I, Algebra II, and a Geometry)

4 years Science (must include a physical science [physics, chemistry, or a college prep physical science course] Remaining sciences may be a combination of biological, live, physical, or earth/space science courses)

3 years Social Science

2 years Foreign Language*

2 years Additional Coursework (Can include fine and performing arts, social and behavioral studies, humanities, additional foreign language, or career-technical courses)

**Some math and foreign language requirements may be met in grades 7 & 8.*

Admission with Support*

Submitted official ACT or SAT test scores

A cumulative, unweighted high school GPA of:

2.5 - 2.99 or

2.25 - 2.49 **and** a minimum composite ACT score of 20 or SAT* score of 1020

Completion of the above course list with no more than two deficiencies. Both deficiencies cannot occur in the same curriculum category.

**To foster academic success, students admitted with support participate in UW's nationally recognized Bridge program or other academic transition programs.*

NCAA ACADEMIC STANDARDS

Complete 16 core courses;

4 years of English

3 years of math (Algebra 1 or higher)

2 years of natural/physical science (including one year of lab science if your high school offers it)

1 additional year of English, math or natural/physical science

2 years of social science

4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy

Complete 10 core courses, including seven in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.

Earn at least a 2.3 GPA in your core courses.

Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

HATHAWAY SCHOLARSHIP REQUIREMENTS

Honors GPA 3.5 ACT 25 \$1,680 Max Award Amount Per Semester	Performance GPA 3.0 ACT 21 \$1,260 Max Award Amount Per Semester	Opportunity GPA 2.5 ACT 19 \$840 Max Award Amount Per Semester	Provisional GPA 2.5 ACT 17 or WorkKeys 12 \$840 Max Award Amount Per Semester
May be used at a WY community college or at UW	May be used at a WY community college or at UW	May be used at a WY community college or at UW	4 full-time semesters. Students with a certificate can extend for an additional 4 full-time semesters at a community college.*
Language Arts 4 Years (Grades 9-12 Only)	Language Arts 4 Years (Grades 9-12 Only)	Language Arts 4 Years (Grades 9-12 Only)	Language Arts Current HS graduation requirements
Math 4 Years Algebra I, Algebra II, Geometry, and one “additional math” course taken in grades 9-12	Math 4 Years Algebra I, Algebra II, Geometry, and one “additional math” course taken in grades 9-12	Math 4 Years Algebra I, Algebra II, Geometry, and one “additional math” course taken in grades 9-12	Math Current HS graduation requirements; at least 2 of these courses: Algebra I, Algebra II, Geometry
Social Studies 3 Years (Grades 9-12 Only)	Social Studies 3 Years (Grades 9-12 Only)	Social Studies 3 Years (Grades 9-12 Only)	Social Studies Current HS graduation requirements
Science 4 years (Grades 9-12 Only) One year may include an “additional science” course	Science 4 years (Grades 9-12 Only) One year may include an “additional science” course	Science 4 years (Grades 9-12 Only) One year may include an “additional science” course	Science Current HS graduation requirements
FPA or CTE or FL 4 years of either fine and performing	FPA or CTE or FL 4 years of either fine and performing	FPA or CTE or FL 2 years of either fine and performing	FPA or CTE or FL 2 years of either fine and performing

arts, career and technical education, or foreign language <u>2</u> years <u>must be sequenced</u>	arts, career and technical education, or foreign language <u>2</u> years <u>must be sequenced</u>	arts, career and technical education, or foreign language (Sequenced)	arts, career and technical education, or foreign language (Sequenced)
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CORE COURSE OFFERINGS 2024-2025

Classes are listed at the level a student is first eligible to take the course; students who have advanced beyond the level listed are also eligible to take the course provided they meet all other requirements.

CORES	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	English 9	English 10	English 11 AP English** Electives: Film Studies Mythology/Fantasy Narrative Writing Outdoor Literature Western Literature Yearbook	AP English** College Comp** Film Studies Mythology/Fantasy Narrative Writing Outdoor Literature Western Literature Yearbook
MATH (at your level)	Algebra 1 Algebra 2	Geometry in Construction Geo/Trig Algebra 2	Intermediate Algebra Algebra 2 Pre-Calculus**	Pre-Calculus** Calculus** Senior Math
SCIENCE	General Science Biology	Biology Life Science Chemistry	Chemistry Investigative Science AP Environmental Science Human Biology** Advanced Chemistry	Chemistry Advanced Chemistry Biology 1010** Human Biology** Physics AP Environmental Science
SOCIAL STUDIES	World History	US History	American Government**	Psychology
PHYSICAL EDUCATION	PE/Health 9	PE/Health 10	Strength & Conditioning Women's Strength & Conditioning	Strength & Conditioning Women's Strength & Conditioning

*.5 Credit for full year **Eligible for college credit #Teacher approval required
Courses in **boldface** print are semester courses

ELECTIVE COURSE OFFERINGS 2024-2025

ELECTIVES	GRADE 9	GRADE 10	GRADE 11	Grade 12
CAREER AND TECHNICAL EDUCATION	<u>ACCOUNTING & FINANCE</u> Business 101	<u>ACCOUNTING & FINANCE</u> Business 101 Intro to Accounting	<u>ACCOUNTING & FINANCE</u> Business 101 Intro to Accounting	<u>ACCOUNTING & FINANCE</u> Business 101 Intro to Accounting L.I.F.E.**
	<u>COMPUTER SCIENCE</u> Gaming Concepts Intro to Computer Science Emerging Technologies	<u>COMPUTER SCIENCE</u> Gaming Concepts Game Design Intro to Computer Science Creative Computing Emerging Technologies Robotics 1	<u>COMPUTER SCIENCE</u> Creative Computing Emerging Technologies Gaming Concepts Game Design I/II Intro to Computer Science Robotics 1/2	<u>COMPUTER SCIENCE</u> Creative Computing Emerging Technologies Gaming Concepts Game Design I/II Intro to Computer Science Robotics 1/2
	<u>MANAGEMENT & MARKETING</u> Career Navigation Business 101 Entrepreneurship Marketing 101	<u>MANAGEMENT & MARKETING</u> Career Navigation Business 101 Entrepreneurship Adv. Entrepreneur Marketing 101	<u>MANAGEMENT & MARKETING</u> Career Navigation Entrepreneurship Adv. Entrepreneur Maker's Market Marketing 101 Working Smart M/I	<u>MANAGEMENT & MARKETING</u> Entrepreneurship Adv. Entrepreneur Maker's Market Marketing 101 Working Smart M/I
	<u>SOFTWARE APPS</u> Digital Design & Production Business Apps	<u>SOFTWARE APPS</u> Digital Design & Production Business Apps	<u>SOFTWARE APPS</u> Digital Design & Production Business Apps	<u>SOFTWARE APPS</u> Digital Design & Production Business Apps Professional Design
	<u>AGRICULTURE</u> Agriscience Farm Shop 1	<u>AGRICULTURE</u> Agriscience Horticulture/ Plant Science Vet or Animal Science** Farm Shop 1/2 Welding 1	<u>AGRICULTURE</u> Agriscience Horticulture/ Plant Science Farm Management	<u>AGRICULTURE</u> Agriscience Horticulture/ Plant Science Farm Management

	<p><u>WOODWORKING</u> Woodworking 1</p>	<p><u>WOODWORKING</u> Woodworking 1/2</p>	<p>Vet or Animal Science** Ag Fabrication/Const. Ag Metal Fabrication Entrepreneur Ag Leadership Welding 1/2 Ag Power Mechanics</p> <p><u>WOODWORKIN</u> <u>G</u> Woodworking 1/2 Cabinet Making 1</p>	<p>Vet or Animal Science** Ag Fabrication/Const. Ag Metal Fabrication Entrepreneur Ag Leadership Welding 1/2 Ag Power Mechanics</p> <p><u>WOODWORKIN</u> <u>G</u> Woodworking 1/2 Cabinet Making 1/2</p>
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FINE ARTS	<u>ART</u> Art Survey <u>Chorale Music</u> Beginning Choir Mountain Harmonies Intermediate Choir Mosaics <u>Instrument Music</u> Band - Winds #Jazz Ensemble #Percussion Ensemble Music Appreciation	<u>ART</u> Art Survey Drawing/Painting1 Printmaking** Ceramics 1 <u>Chorale Music</u> Beginning Choir Mountain Harmonies Intermediate Choir Mosaics Advanced Choir #Balladiers <u>Instrument Music</u> Band - Winds #Jazz Ensemble #Percussion Ensemble Music Appreciation Independent Music	<u>ART</u> Art Survey Drawing/Painting 1/2 Printmaking 1/2** Ceramics 1/2 <u>Chorale Music</u> Beginning Choir Mountain Harmonies Intermediate Choir Mosaics Advanced Choir #Balladiers <u>Instrument Music</u> Band - Winds #Jazz Ensemble #Percussion Ensemble Music Appreciation Independent Music	<u>ART</u> Art Survey Drawing/Painting 1/2/3 Printmaking 2 Ceramics 1/2/3 <u>Chorale Music</u> Beginning Choir Mountain Harmonies Intermediate Choir Mosaics Advanced Choir #Balladiers <u>Instrument Music</u> Band - Winds #Jazz Ensemble #Percussion Ensemble Music Appreciation Independent Music
FOREIGN LANGUAGE	Spanish 1	Spanish 1 Spanish 2	Spanish 1 Spanish 2 Spanish 3 World Cultures	Spanish 1 Spanish 2 Spanish 3/4 World Cultures
SPECIAL EDUCATION	Adapted PE English Learning Strategies Life Skills Math Science Social Studies	Adapted PE English Learning Strategies Life Skills Math Science Social Studies	Adapted PE English Learning Strategies Life Skills Math Science Social Studies World of Work	Adapted PE English Learning Strategies Life Skills Math Science Social Studies World of Work
SOCIAL STUDIES		Wyoming History Pop Culture	Wyoming History Pop Culture	Wyoming History Pop Culture Psychology
MISC			BHS Teacher Aide* Culinary Arts	BHS Teacher Aide* Culinary Arts

*½ credit for full year **Eligible for college credit #Teacher approval required

CONCURRENT ENROLLMENT

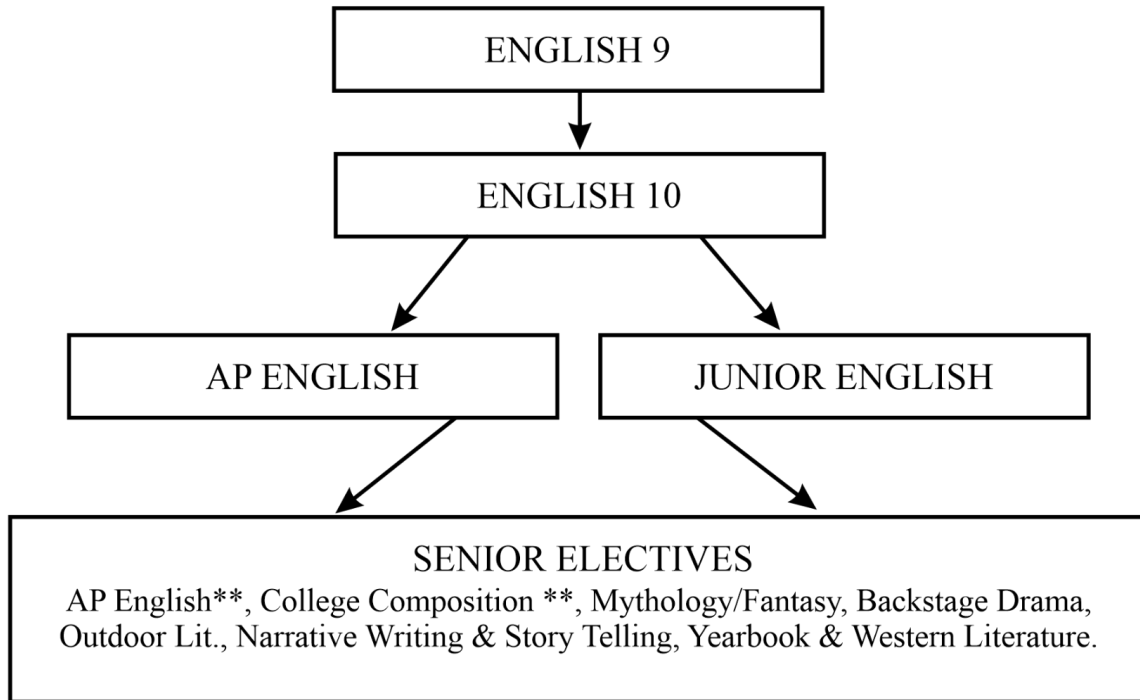
Buffalo High School works closely with Sheridan to offer a number of classes in which BHS students can earn college credit as well as high school credit. Concurrent Enrollment classes are offered at no additional cost to our students. Listed below are some examples of classes currently offered for Concurrent Enrollment:

<u>BHS SEMESTER COURSES</u>	<u>CREDITS</u>	<u>SHERIDAN COLLEGE COURSES</u>		<u>CREDITS</u>
College Composition	0.5	ENGL 1010	English Composition	3.0
 <u>YEAR-LONG COURSES</u>				
AP English	1.0	ENGL 1010	English I	3.0
American Government-SC	1.0	POLS 1000	American & Wyoming Gov.	3.0
Animal Science/Vet Science	1.0	ANSC 1010	Livestock Production I	4.0
Biology 1010	1.0	BIOL 1010	General Biology	4.0
Calculus	1.0	MATH 2200	Calculus 1	4.0
Human Biology	1.0	ZOO 1200	Intro to Human Biology	4.0
L.I.F.E. (Finance)	1.0	FIN 1000	Personal Finance	3.0
Pre-Calculus	1.0	MATH 1450	Pre-Calculus	6.0
Printmaking	1.0	ART 2090	Printmaking	3.0

Students may take concurrent enrollment courses for high school credit only or for high school **AND** Sheridan College Credit.

ENGLISH

***Indicates dual credit from BHS and Sheridan College*



ENGLISH COURSE DESCRIPTIONS

50500 ENGLISH 9

1 credit

This required year of Freshman English covers basic skills used throughout the student's high school years. Essay writing, research writing, understanding grammar concepts and usage, reading fiction and non-fiction short stories and novels, poetry, plays, and studying vocabulary make up the content of the course.

50510 ENGLISH 10

1 credit

This required year of Sophomore English exposes students to the delights and dangers of close reading and careful writing. First semester, students will learn how to discover the secrets that authors hide in their poems, learn how to create their own secret-hiding memoirs, and then spend the remainder of the semester pursuing their individual passions with their Expert Projects and interdisciplinary research projects. Second semester begins with the January Jubilee Film project in which students explore a particular genre of literature and then make a film with other students in their class. Following this unit, students will explore colleges and careers in preparation for being upperclassmen. We end the year with secrets again as we follow Victor Frankenstein's quest to find the secret of life.

50579 ENGLISH 11

1 credit

This class will be an experiment, a work in progress, an act of trust, a discovery, a journey, a self-analysis, and, hopefully, a trek to find value and beauty and how to fight the power through reading great works of literature and writing of all sorts. We bring to our reading and writing who we are and the experiences we're made of, so it will be essential that each of you is prepared to share your perspectives on your reading and writing.

50542 ADVANCED PLACEMENT ENGLISH (Grades 11 & 12)**1-2 credits**

Course registration requires teacher recommendation. (Must score an 18 or above on the English portion of ACT exam; or score a 255 or higher on the Reading portion of the Accuplacer Placement Exam.)

AP English is a nationally recognized program that examines both American and world literature as well as composition over a two-year sequence. Juniors and Seniors who are college-bound and committed to excellence should take this course their junior and senior years. This course follows the requirements described in the AP English Description from the College Board and it will be updated yearly according to any suggestions or revisions of those requirements. AP students will be challenged at the college level. This is a two-year course; students do not need to sign up for both years. AP Literature is an intensive reading and writing course; college credit can be earned through a successful score on the AP exam at the end of the and is dependent on which university a student attends. AP Language is an intensive rhetoric and composition course. Students will receive Sheridan College credit for English 1010 (College Composition) if they meet the admissions requirements and successfully complete this course. These courses alternate each year.

50562 COLLEGE COMPOSITION (Grade 12)**.5 /1 credit**

Sheridan College-ENGL 1010: 3 credits (Must score 18 or above on the English portion of ACT exam; or score a 255 or higher on the Reading portion of the Accuplacer Placement Exam.) *Students must take as a concurrent course to earn the full high school credit.* This semester-long class is designed for seniors who want to challenge and improve their writing skills. Students will learn college-level writing and revision techniques, write a variety of expository and persuasive essays, and read and critique professional essays.

89933 FILM STUDIES (Grades 11-12)**.5 credit**

Ever wonder what is the magic behind the movies you love? This course examines the medium of film as an art form, and involves analyses of directing, acting, cinematography, as well as accompanying literature and historical perspective. Students should prepare to write extensively and consider the ways in which movies have become so central to our popular culture.

50567 MYTHOLOGY/FANTASY (Grades 11-12)**.5 credit**

Journey through ancient mythologies and explore new quests- and in the process, learn a little bit about our own world. This literature-based class begins with Greek and Roman roots, and then examines myth in modern films and texts, mythology's role in fantasy literature, and mythology's function in world cultures. This is a semester-long course.

50501 NARRATIVE WRITING & STORY TELLING (Grades 11-12)**.5 credit**

Prerequisite: English 10. This course will develop narrative writing skills for students. Students will produce high-quality narratives that tell the stories of their lives. They will develop their story telling skills in both non-fiction & fiction through reading and writing. They will also develop research skills while using primary sources to study genealogy, ultimately creating well-researched family stories and/or biographies.

50503 OUTDOOR LIT (Grades 11-12)**.5 credit**

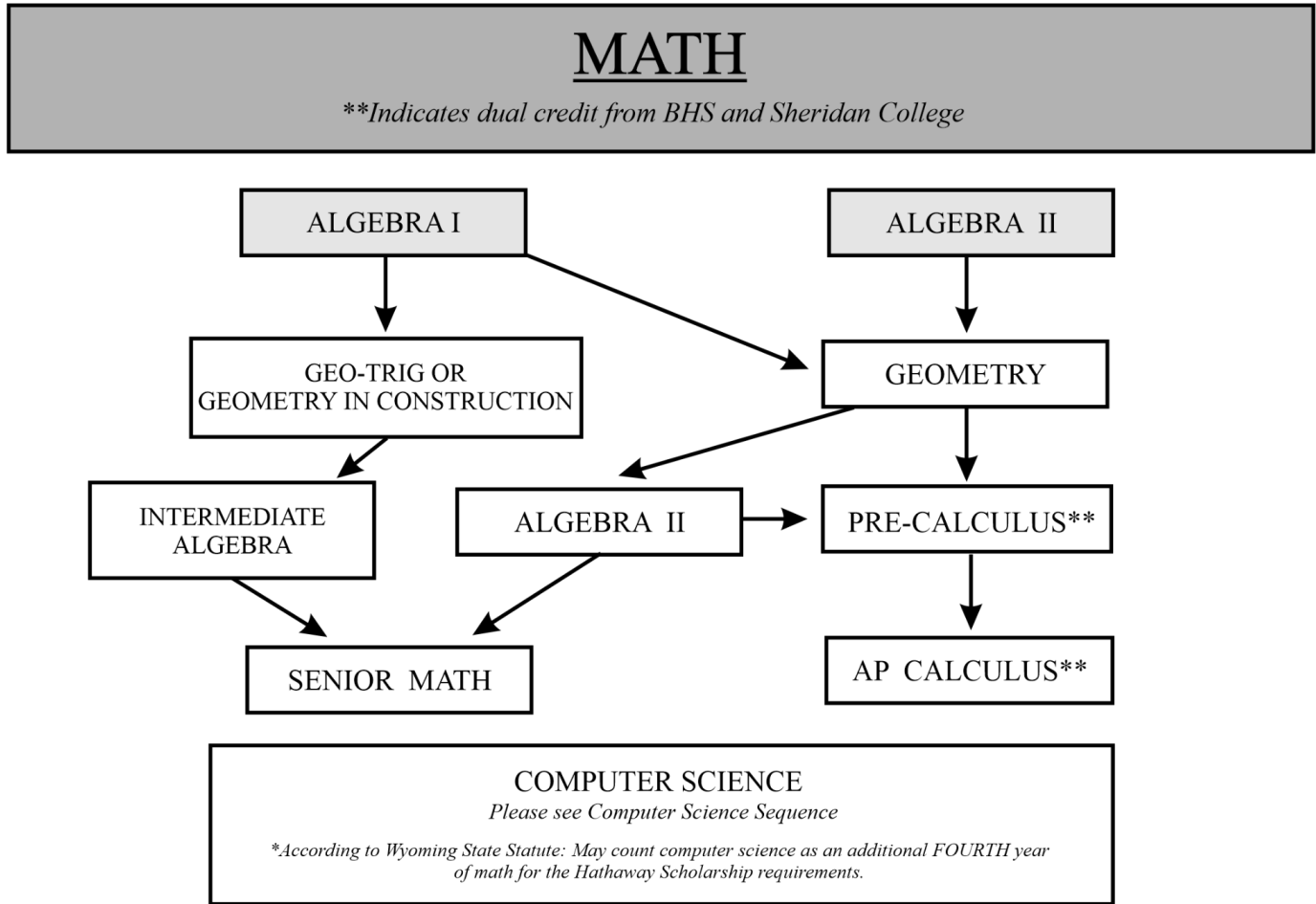
Prerequisite: English 10. This course will explore the genre of naturalist writing and awareness of place, through literature, field journals, critical thinking, and field trips. Students will participate in the classroom examining the structure, techniques, and intentions of outdoor literature, and outside of the classroom through outdoor recreational activities – including hiking, fishing, fire building, climbing, and skiing. Oral discussion is an integral part of this course and written compositions will be required.

80560 WESTERN LITERATURE (Grades 12)**.5 credit**

Western Literature: the myth, the reality, and the modern expression. In this course, students will read regionally-based fiction and non-fiction and examine films known as “Westerns” as they immerse themselves in the ethos of the western. Students will look closely at how setting, including history, has influenced a popular genre of literature. Students will write Creatively including scripts and short stories.

50502 YEARBOOK: PUBLICATIONS (Grades 11-12)**.5 credit**

Prerequisite: English 10. This course will be a workshop in publishing. Students will plan, design, and edit the yearbook throughout the course of the semester. They will develop business communication and editing skills while creating a real-world and public project: the BHS Wyomalo.



MATH COURSE DESCRIPTIONS

51120 ALGEBRA I (Grades 9 – 12) **1 credit**
 Algebra I is a required prerequisite for Geometry and Algebra II. The purpose of Algebra I is to introduce students to the world of Algebra. This is the first course in the college preparatory sequence.

50095 INTERMEDIATE ALGEBRA **1 credit**
SCED 02055
 Intermediate Algebra courses review and extend algebra and geometry concepts for students who have already taken Algebra I and Geometry. Intermediate Algebra courses include a review of such topics as properties and operations of real numbers; evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems into equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios.

51130 ALGEBRA II (Grades 10 – 12)**1 credit**

Prerequisite: Algebra I. Algebra II is essential in mathematics, science, engineering, statistics, electronics and other related fields. A strong knowledge of algebra is required for any advanced math course.

51142/51005 GEOMETRY IN CONSTRUCTION (Grades 9 – 12)**2 credits**

This is a 2 credit course spanning two semesters. Students successfully completing this course for the year will earn one math credit and one elective credit. This is a block class that will be team taught with the Building Trades instructor and the Math Instructor. Geometry in Construction is recommended for students interested in pre-engineering, architecture, construction management, interior design, landscape architecture, construction trades, and surveying. No previous construction experience is needed. Students will learn machine and tool use and safety, problem solving, and drawing interpretation. Throughout the course students will be exposed to practical skills in building and carpentry trades by constructing various projects using wood and other building materials. While working on those projects, students will be learning the interdependence between algebra and geometry along with a core set of geometry facts involving area, perimeter, volume, transformations, congruence, Pythagorean theorem, similar figures, trigonometry, quadrilateral properties, circle properties, logic, and functions.

51140 GEOMETRY/TRIGONOMETRY (Grades 9 – 12)**1 credit**

Prerequisite: Algebra I or course equivalent. Algebraic skills, logical organized reasoning, and understanding of the relationship of geometry with science and vocational courses are combined in this course. This gives a sound background for the advanced math courses. Writing trigonometric functions and solving identities will be covered. Solving triangles and circular functions will also be a part of this course.

51160 PRE-CALCULUS (Grades 11 – 12)**1 credit**

Prerequisite: Geo-Trig & Algebra II **Sheridan College-MATH 1450 Pre-Calculus Algebra & Trigonometry-6 credits (Must score a 23 or above on the Math portion of the ACT exam; and/or achieve an Elementary Algebra Accuplacer score of 72+ or College Level Math Accuplacer score of 0+)** This course gives a solid foundation in algebra and trigonometry and enables students to develop problem-solving skills.

51173 CALCULUS (Grade 12)**1 credit**

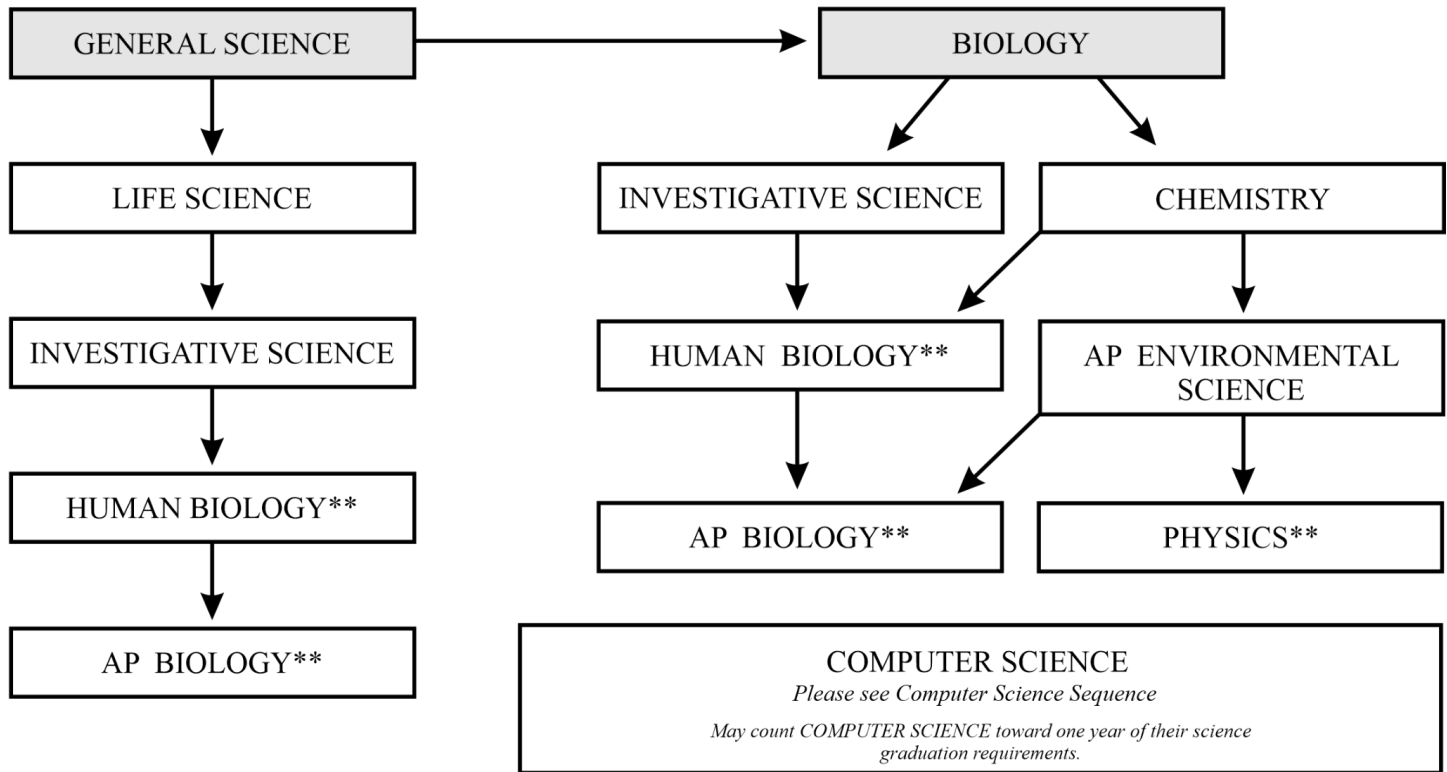
Course registration requires teacher recommendation. Prerequisite: Pre-calculus. **Sheridan College-MATH 2200-Calculus I-6 credits (Must pass MATH 1405 Pre-Calculus Trigonometry with a grade of “C” or better OR MATH 1450 Pre-Calculus Algebra & Trigonometry with a grade of “C” or better OR have an ACT score of 27. This course may be used for the quantitative reasoning requirement at UW).** A 5th year math course designed for those college-bound students who plan on having mathematics as a major part of their college program (i.e.: engineering, medicine, business, physics, etc.). This will be taught as an AP class, with the opportunity for each student to take the AP Calculus AB exam in the spring. This course covers topics including plane analytic geometry, differentiation, applications of the derivative, differential equations, limits, and the basic integrals and their applications.

51168 SENIOR MATH (Grade 12)**1 credit**

Prerequisite: Successful completion of Algebra I, Geo-Trig or Geometry in Construction. Senior Math focuses on methods, processes, and strategies used to solve mathematical problems in a wide variety of contexts. It demonstrates the uses and structure of mathematics while developing diverse ways to approach both mathematical and non-mathematical problems. Specific topics to be covered are number sequences and patterns, geometry and unit measurements, consumer math, counting principles, and probability. Other optional areas that may be covered could include algebraic modeling, numeration systems, set theory, or descriptive statistics. This course will prepare students for college level liberal studies mathematics coursework. This is NOT a remedial mathematics course.

SCIENCE

***Indicates dual credit from BHS and Sheridan College*



REQUIRED SCIENCE COURSES

- * *Biology or Life Science*
- * *Computer Science, General Science or AP Environmental Science*
- * *Computer Science, Chemistry or Investigative Science*
- * *Computer Science or an Elective Science Course*

SCIENCE COURSE DESCRIPTIONS

51336 AP ENVIRONMENTAL SCIENCE (Grades 11 & 12)

1 credit

Prerequisite: Must have passed Biology and College Prep Chemistry with a B or better. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

51310 BIOLOGY (9 – 12)**1 credit**

Students will examine all levels of living things. Topics covered include: cells, genetics, evolution, ecology, and classification of living things. Lab activities will focus on reinforcement of lecture topics. Concepts are explored at a deeper level than in Life Science, in order to prepare students for college.

51318 INTRO TO COLLEGE BIOLOGY 1010**1 credit**

Prerequisite: Completion of Biology, College Prep Chemistry, and AP Environmental Science or Human Biology.

Sheridan College BIO 1010 - 4 college credits This course is college level Biology and is intended for students interested in pursuing Biology related careers. Coursework and labs are done independently and assessment will be based on test and lab performance.

51330 CHEMISTRY (Grade 12)**1 credit**

Prerequisite: Must have passed Algebra with a C or above. Students will explore the composition of matter from atoms to compounds and mixtures, the function and organization of the periodic table, as well as the naming and formulae of compounds. Students will engage in lab activities to become familiar with chemical reactions, and use mathematics to understand the interactions of matter.

51303 GENERAL SCIENCE (Grades 9-12)**1 credit**

In this course, students will develop an understanding of the basic scientific principles of chemistry, physics, earth science and space science. Students will engage in lab activities to reinforce and understand concepts in the area of science. This course will set the groundwork for all other science classes at BHS.

51359 HUMAN BIOLOGY (Grades 11-12)**1 credit**

Prerequisite: Above average work in Biology or consent of the instructor. **Sheridan College ZOO 1200– 4 credits**

In this course, students will explore various topics in Human Biology including Anatomy, Physiology, Genetics, Biochemistry, and Ecology. This class will include lecture, field trips, student research and lab activities. Course focuses around preparation for dissections (dissection participation required).

51317 INVESTIGATIVE SCIENCE (Grades 11 -12)**1 credit**

This project-based course focuses on the integration of science, technology, engineering, and mathematics (STEM) to investigate and solve real-world problems. Students will engage in critical thinking, problem-solving, and creativity to research, design, and evaluate solutions for open-ended problems that we face in the local and global community. Students will create devices, simulations, and scientific experiments that require the application of engineering design skills as well as math, science, and technological knowledge.

51320 LIFE SCIENCE (Grades 10-12)**1 credit**

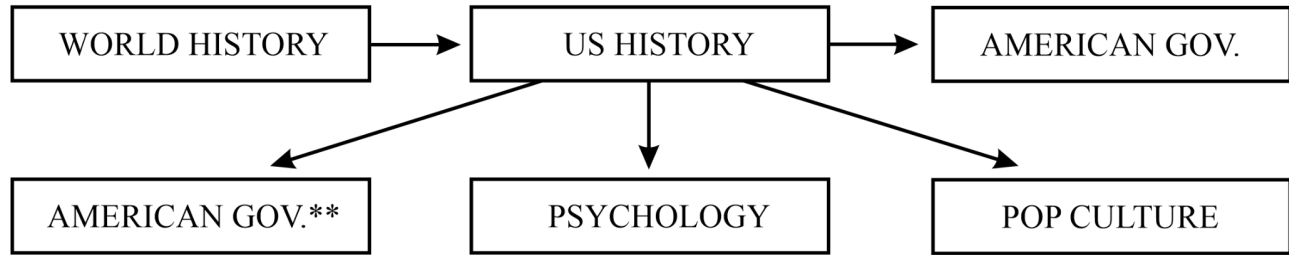
Life Science is a course that emphasizes biology through a more familiar aspects approach. Laboratory work and activities are an integral part of this course. These activities are designed to reinforce subject content. Topics covered include lab safety, measurements, characteristics of living things, cells, heredity, evolution, and classification the first semester. The second semester will stress larger scale biology; such as simple organisms; from bacteria and viruses to complex organisms; such as fish, amphibians, reptiles, birds, and mammals. From there we will study ecology and finally human body systems. Also, we will discuss selected topics pertaining to the current changes that are occurring throughout the world of biology.

51350 PHYSICS (Grades 11-12)**1 credit**

Prerequisite: Completion of Chemistry and Trigonometry with at least a B or consent of instructor. In this course, students will explore the relationship between matter and energy using mathematics to explain and predict outcomes. Lab activities, lectures, written materials and internet resources are used to explore and reinforce concepts.

SOCIAL STUDIES

***Indicates dual credit from BHS and Sheridan College*



SOCIAL STUDIES COURSE DESCRIPTIONS

59965 AMERICAN GOVERNMENT (Grades 11 -12)

1 credit

In this required class, students will study the foundations of government, economic systems, political parties, the election process, the legislative, executive and judicial branches of government, the United States and Wyoming Constitutions, and the components of citizenship.

51557 AMERICAN GOVERNMENT-SC (Grades 11 -12)

1 credit

Prerequisite: Completion of, or concurrent enrollment in, ENGL 1010 [College Comp.], or instructor consent. **Sheridan College-POLS 1000 American & WY Government-3 credits.** This required course examines the ideas and concepts behind the growth and development of the governments of the U.S. and Wyoming and the political processes associated with them. Students will complete comparative analyses of economic systems, as well as in-depth studies of political parties, the election process, the legislative, executive, and judicial branches of government, and the components of citizenship. The course fulfills the statutory requirements for instruction in the provisions and principles of the state and national constitutions.

51563 U.S. HISTORY (Grade 10)

1 credit

This is a yearlong course that meets the BHS requirement for the sophomore year. The areas covered in the fall semester are: the United States during WWI, the causes and effects of the Great Depression, and the United States during WWII. The areas covered in the spring semester are: The Cold War Era, The Civil Rights Movements of the 1960's and 1970's, the Vietnam Era, and the end of the 20th century to the present. This course will focus on the United States' changes throughout the decades and analyze how it relates to modern society.

51520 WORLD HISTORY (Grade 9)

1 credit

The fall semester of this course will focus on the development of human culture from the foundations of history in prehistoric times through the Ancient River Civilizations and the Greek and Roman empires. The spring semester will focus on the history of civilizations in the Americas, Africa and Europe, focusing on the time periods between the Middle Ages through the Age of Enlightenment. The emphasis will focus on Western Europe and the world they influenced the most. The study will end with questions of man's future.

51562 POP CULTURE (Grades 10-12)

.5 credit

This is a semester-long elective course. This class will examine historical topics that you choose to focus on. For this class you will research the historical topics that interest you. In addition, this class will look at history through popular culture by analyzing movies, music, and art and how history is represented through those.

51580 PSYCHOLOGY (Grade 12)**1 credit**

This course is intended for students who wish to learn the basics of the discipline of psychology as it is approached scientifically. It offers a contemporary view of the human organism through the study of topics concerned with biological and environmental influences on growth and development, motivation, personality development, behavior disorders, emotion and adjustment, learning and thinking, perception, states of consciousness, individual differences, and social adjustments.

51521 WYOMING HISTORY (Grades 9-12)**1 credit**

This course will expose students to themes in Wyoming's History. Students will develop an understanding of the history of Wyoming and the West from its earliest inhabitants. This course may include the following topics: mountain men and the fur trade, America's expansion west of the Mississippi River and land acquisitions, overland trails, the pioneer experience, mining and farming on the frontier, Native American conflicts, cattle barons, and statehood. Emphasis is placed on how these various topics altered and shaped the west into what it is today, and considerable consideration is given to the characteristics and contribution of Native American culture.

PHYSICAL EDUCATION & HEALTH COURSE DESCRIPTIONS**5804 PE 9 AND HEALTH (Grade 9)****1 credit**

This is a required course for all freshmen. The PE curriculum is centered on team-oriented sports through fitness and skill-filled experiences. The health portion addresses the following topics: self-concept, personal mission statement, relationships, refusal skills, and growth mindset. This segment of the class will provide students with information, knowledge, and experiences to make them a health literate person.

5803 PE 10 AND HEALTH (Grade 10)**1 credit**

This is a required course for all sophomores. The curriculum is geared toward health related fitness, life and leisure activities, with First Aid and CPR certification. The health portion addresses the following topics: body composition and nutrition, teen pregnancy and related topics, CPR and First Aid, and personal goal development and implementation.

5823 STRENGTH & CONDITIONING (Grades 11 – 12)**1 credit**

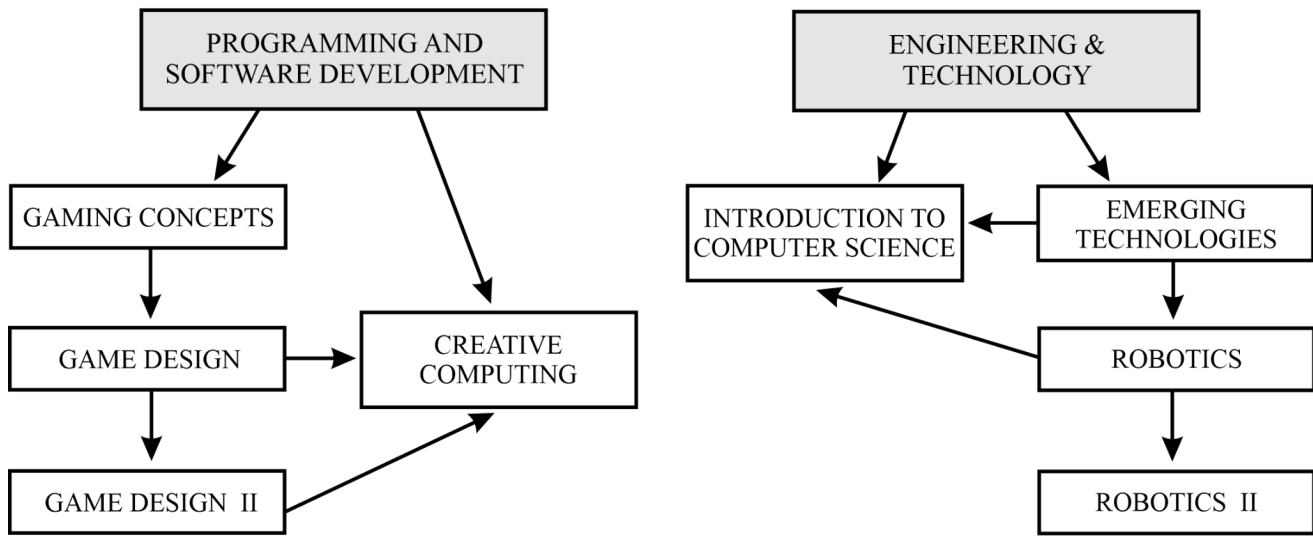
Prerequisite: Must have successfully passed 2 years of PE. This course will emphasize the building of your physical conditioning and the improvement of the cardiovascular system through development of strength, agility, endurance, flexibility and cardiovascular fitness. Students will be trained to perform successfully at multiple, diverse and randomized physical challenges. This course will be offered in a coed setting.

5823 WOMEN'S STRENGTH & CONDITIONING (Grades 11 – 12)**1 credit**

Prerequisite: Must have successfully passed 2 years of PE. This course will emphasize the building of your physical conditioning and the improvement of the cardiovascular system through development of strength, agility, endurance, flexibility and cardiovascular fitness. Students will be trained to perform successfully at multiple, diverse and randomized physical challenges. This course will be for female students only.

COMPUTER SCIENCE

Wyoming State Statute: May count toward ONE year of their science graduation requirements, OR an additional FOURTH year of math for the Hathaway Scholarship Program Requirements.



COMPUTER SCIENCE COURSE DESCRIPTIONS

59879 CREATIVE COMPUTING (Grades 9-12)

1 credit

SCED 10002 Computing Systems

Unlock the realm of your creativity and innovation in the world of 3D animation, virtual reality, and beyond. In this dynamic course, you'll embark on an immersive exploration of 3D modeling, simulation creation, and the seamless integration of animations, video, and sound. Whether you're a budding artist, a tech enthusiast, or someone curious about the limitless possibilities of computing, this course is designed to ignite your passion and empower you with the skills that bridge the gap between the digital and physical realms. Join us on a journey that will challenge your creativity, expand your horizons, and prepare you for the exciting frontiers of technology and design.

89959 EMERGING TECHNOLOGIES (Grades 9-12)

1 credit

SCED 10012 Exploring Computer Science

Join us on a thrilling adventure as we invite you to discover the awe-inspiring universe of emerging technologies! We'll unravel the mysteries behind these cutting-edge marvels, dive into thought-provoking ethical discussions, and unveil the endless possibilities they offer in the real world. Get ready to roll up your sleeves for hands-on activities, collaborate with your fellow explorers, and ignite your critical thinking skills to grasp the profound impact of these technologies on our ever-evolving world. Unleash your curiosity and become a pioneer in the realm of emerging technologies—the future awaits, and it's yours to shape!

50317 GAMING CONCEPTS (Grades 9 – 12)

1 credit

SCED 10205 Computer Gaming and Design

No Prerequisite. Step into the enchanting world of game creation with Gaming Concepts! Get ready to embark on an exciting journey where you'll turn your passion for games into a powerful learning experience. Harness the excitement of building games to uncover the wonders of computer science, mathematics, and problem solving. In this course you'll unleash your creativity and learn to craft captivating 2D game art, dive into Javascript programming, and discover the art of object-oriented programming. With the guidance of expert instructors, you'll utilize cutting edge game engines and

bring your gaming visions to life. By the end of the course, you'll have the skills to develop and launch your very own browser-based HTML5 games, making your mark in the world of game development. Join us and let the adventure begin!

50320 GAME DESIGN (Grades 10 – 12)

1 credit

SCED 10152 Computer Programming

Prerequisite: Gaming Concepts Discover the exciting fusion of creativity and technology in Game Development, where we demystify C# and the Unity Game Engine through hands-on projects. Picking up where we left off from Gaming Concepts, this course guides students on a thrilling journey. Through a project-based approach, students will craft multiple full featured games, blending the 3D models, animation, audio files, and scripts. By the end, you'll have the skills to independently create a 2D game from scratch. Plus, earn coveted industry certifications- Unity User: Artist and Unity User: Programmer-opening doors to a world of game design and tech opportunities. Join us and bring your game ideas to life !

50321 GAME DESIGN II (Grades 11 – 12)

1 credit

SCED 10198 Computer Programming- Workplace Experience

Prerequisite: Game Design Step into the captivating realm of 3D game development, where you'll unlock the secrets behind immersive video game design and gain skills that extend far beyond the gaming industry. Dive into the exciting worlds of computer science, 3D math, object-oriented programming, and 3D modeling. This course is designed to ignite your passion for technology while preparing you for the Unity Certified Associate: Programmer and Unity Certified Associate :Game Developer certifications. Embark on a journey that not only opens doors to the gaming universe but also offers pathways to diverse and thrilling career opportunities in the tech world

50312 INTRO TO COMPUTER SCIENCE (Grades 9-12)

1 credit

SCED 10013 Computer Science

Welcome to the Intro to Computer Science where you'll uncover the magic behind modern technology and its impact on our world, regardless of your background. In this class, we invite you to explore the fascinating realms of computational thinking, problem solving, programming, and computer science concepts. You'll gain an understanding of how these skills are not only relevant in today's fast-changing world but also crucial in any career path you choose. Join us and embark on a voyage of discovery and empowerment.

ROBOTICS – (Grades 10 – 12)

.5 credit

Embark on a thrilling journey into the world of robotics. Through hands-on learning with the VEX V5 Robotic Kits, you'll dive into the foundational components of robotics, including building structures and mastering basic movements. This course is your gateway to understanding the mechanics and creativity behind robotics, setting you on a path to innovation and discovery. Join us for an adventure that combines engaging learning, practical experience, and a glimpse into the future of technology.

60050 ROBOTICS I – (Grades 10 – 12)

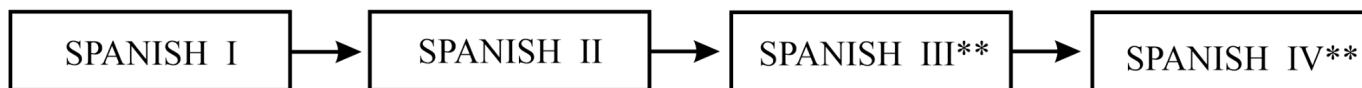
.5 credit

SCED 10154

Discover the limitless possibilities of robotics in our hands-on course. If you enjoy tinkering, creating and thinking outside of the box, this is the course for you ! Dive into the exciting world of mechanical marvels, where you'll learn to create robots that solve real- world challenges. We'll guide you through the essentials of structural design, weight distribution, and the art of transferring motion. Get ready to engineer solutions that matter, from automation in factories to enhancing our daily lives. Join us and be part of the future robotics and technology!

FOREIGN LANGUAGE

***Indicates dual credit from BHS and Sheridan College*



FOREIGN LANGUAGE COURSE DESCRIPTIONS

50600 SPANISH I - Beginning Language & Culture (Grade 9 – 12)

1 credit

Spanish I students develop the ability to communicate in Spanish, at a novice language level, by listening, speaking, reading, and writing. Students develop oral and written proficiency by asking and answering personal questions, reading authentic literature related to course vocabulary, writing simple sentences for presentations, creating and presenting dialogues, and using technology. Cultural education includes learning about holidays, traditions, and customs of Spanish-speaking countries, as well as comparing and contrasting the American culture to the cultures of Spanish-speaking countries. Spanish I is a one year course.

50605 SPANISH II - Emerging Language & Culture (Grade 10 – 12)

1 credit

Prerequisite: Spanish I. Spanish II students develop communication skills, listening, speaking, reading, and writing, at the novice-high to intermediate-low language level by conversing about everyday situations, reading authentic literature, composing relevant written documents, and using technology. Cultural education includes comparing and contrasting the American culture to Spanish-speaking cultures in relation to everyday life, holidays, and traditions; as well as the study of tolerance, diversity, and immigration. This class is conducted approximately 75% in Spanish. Spanish II is a one year course.

50606 SPANISH III - Intermediate Language & Culture (Grade 11 – 12)

1 credit

Prerequisite: Spanish I and II. Course registration requires teacher recommendation.

Spanish III students will converse, read, and write Spanish at the intermediate level. Students practice listening, speaking, reading and writing regularly. The class is conducted in Spanish, except during grammar discussions. Students study advanced grammar and learn vocabulary needed to communicate with a variety of audiences through authentic literature and multimedia. Students study current events in Spanish-speaking countries, create oral and written presentations, and participate in group and individual discussions.

50607 SPANISH IV - Intermediate-Advanced Language & Culture (Grade 12)

1 credit

Prerequisite: Spanish I, II and III. Course registration requires teacher recommendation.

Spanish IV students will converse, read, and write Spanish at a high-intermediate to advanced level. The class is conducted in Spanish, except during grammar discussions. Students study advanced grammar and learn vocabulary needed to communicate with a variety of audiences through advanced authentic literature, multimedia, and technology. Students compare cultures and develop connections between language, community, and career. Spanish III & Spanish IV are on a rotating 4-semester schedule: World Geography, Literary & Art, Music, & Film. Students learn about the selected topic or theme of each semester in depth as they increase and improve their Spanish proficiency. Spanish IV is a one year course.

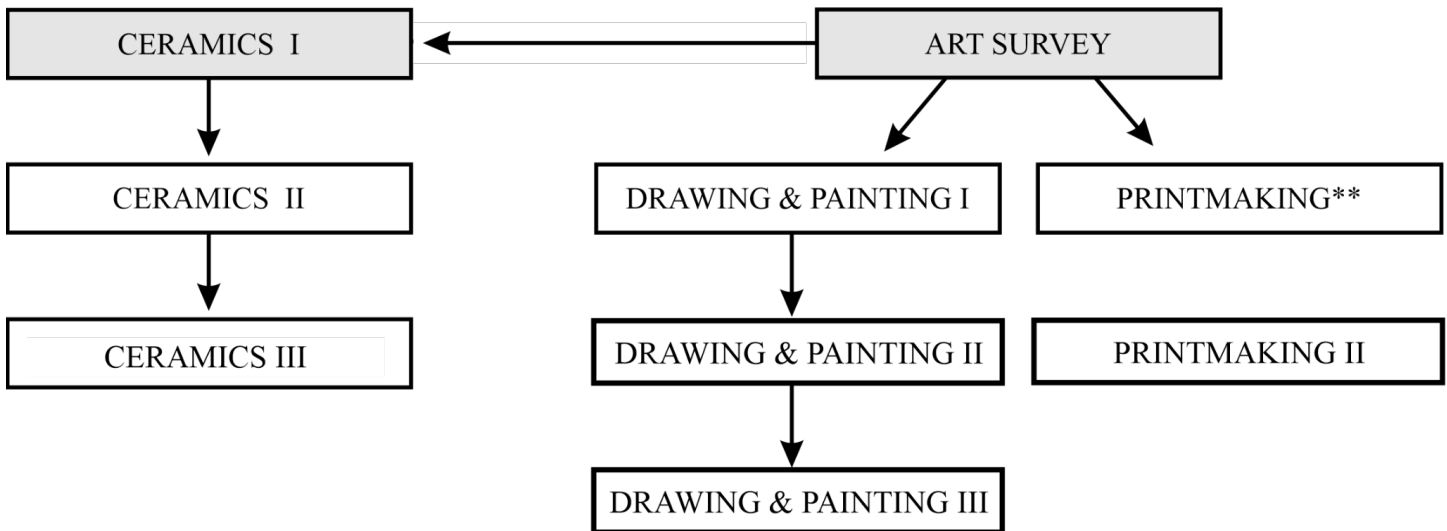
59894 WORLD CULTURES (Grade 11 – 12)

1 credit

Junior/Senior Class. World Cultures seeks to provide an appreciation, understanding, and tolerance toward other people through a study of cultures of the world. Students will gain an understanding and appreciation of different cultures and histories from around the world in a fun and informative manner. Students have the opportunity to analyze and compare various factors such as cultural practices, social structures, arts, and languages in different parts of the world including the United States, Asia, Africa, and Latin America, just to name a few.

FINE ARTS - ART

***Indicates dual credit from BHS and Sheridan College*



FINE ARTS - ART COURSE DESCRIPTIONS

50200 ART SURVEY (Grades 9-12)

1 credit

This class is a prerequisite for Drawing and Painting and Printmaking. Art Survey is a foundation level class that offers the student experience in drawing, painting, printmaking and occasionally, 3D art processes. Through exploration of various media, styles and techniques students will gain insight on how to successfully apply the elements of art and design principles toward the creation of their artwork. Contemporary and historical art movements and artists will also be explored in this course. This course can be taken as a semester course or yearlong, however it is structured as a yearlong course.

50217 / 50233 CERAMICS I/II (Grades 10 – 12)

1 credit

Prioritized by grade level: upperclassmen get preference.

Ceramics I will focus on learning the basic skills required to create artwork using clay. Students will work in the processes of hand building, while working toward producing wheel thrown ceramics in this class. There will be an emphasis on learning historical and contemporary artists, as well as gaining an understanding of the tools and processes needed to make ceramic work. This is a semester class, but can be taken for the entire year. Ceramics II will involve a more in depth study of ceramics in which the student is encouraged to work more independently, at a higher level of production. These courses can be taken as a semester course or yearlong.

50240 CERAMICS III (Grades 11 – 12)

1 credit

Prerequisite: Ceramics I & Ceramics II. Ceramics III is an upper level ceramics course that allows students to approach clay with a more individualized plan. Students will apply the knowledge and skills acquired in Ceramics I and II to independent work within the ceramics studio. Students are required to come up with their own projects to complete. Instruction will also be more individual and based on the projects chosen by the student. Students have the potential to work with hand building, wheel throwing, varied glazing and firing techniques.

50205 / 50210 DRAWING & PAINTING I & II & III (Grades 10 – 12) 1 credit

Prerequisite: Art Survey or instructor's permission. Drawing & Painting will explore a variety of media, including graphite, charcoal, pastel, pen, scratchboard, acrylic, watercolor, ink, oils, airbrush and mixed media. Historical and contemporary processes and artists will be investigated. Image and idea development through creative thinking and problem solving will be emphasized. Students will be encouraged to choose a specific drawing or painting media to further develop and explore as they transition into Drawing & Painting II, which will involve a more independent course of study, allowing the student greater choice and more time to work on individual artwork. These courses can be taken as a semester course or yearlong.

50218 PRINTMAKING I& II (Grades 10 – 12) 1 credit

Prerequisite: Art Survey or Instructor's permission. **Sheridan College – ART 2090 Printmaking -3 credits (students must take the course yearlong to receive college credit)** Printmaking offers the opportunity for students to explore both traditional and non-traditional printmaking processes such as Relief, Etching, Engraving, Monotype, Monoprint, Screen Print and Mixed Media. Historical, as well as contemporary printmaking techniques and Artists will be introduced and explored. Students will learn to identify numerous paper types and applications, how to manipulate a wide range of tools and various kinds of ink and will print images both by hand and with the aid of a printing press. This is a yearlong, concurrent enrollment course, offering 3 college Fine Arts credits. This course may be taken as a semester course, but is structured as a yearlong class in order to best benefit the student printmaker, while encouraging strong, consistent and exhibition worthy prints.

FINE ARTS - MUSIC COURSE DESCRIPTIONS

51257 BEGINNING CHOIR (Mountain Harmonies) (Grades 9 – 12) 1 credit

A soprano, alto, tenor, bass choir (SATB) that is open to all 9-12 students who want to sing. There are no requirements to join this ensemble. We will be working on developing part-singing, vocal production, music reading and ear rhythm reading, intervals, major/minor chord qualities and music history. This choir will learn a range of level-appropriate secular and sacred choral literature that explores a wide variety of genres and historical contexts.

51259 INTERMEDIATE CHOIR (Mosaics) (Grades 9 – 12) 1 credit

An Auditioned soprano, alto, tenor, bass choir (SATB) that is open for audition to all 9-12 students. There is an audition required to join this ensemble. Student entry will be determined by the ability to meet standards on the audition rubric. There will not be a student limit to this choir. We will be working on intermediate-complex part-singing, vocal production, music reading and ear training skills. We will focus on sight reading, higher level theory (key signatures, circle of fifths, diminished/augmented chord qualities, complex rhythms, aural theory) and higher level music history (more unique composers, historical context). This choir will learn a range of level-appropriate secular and sacred choral literature that explores a wide variety of genres and historical contexts.

51256 ADVANCED CHOIR (Balladiers) (Grades 10 – 12) 1 credit

An Auditioned soprano, alto, tenor, bass choir (SATB) that is open for 10-12 students. There is an audition required to join this ensemble, and student entry will be determined by the ability to meet standards on the audition rubric. There will be 16 students selected for this ensemble at most. We will be working on complex part-singing, vocal production, music reading, and ear training skills. We will focus on independent sight reading, higher level aural theory, and higher level music history (the cultural influence on music in specific time periods). This choir will learn a range of level-appropriate secular and sacred choral literature that explores a wide variety of genres and historical contents.

50229 BAND - WINDS (Grades 9 – 12) 1 credit

The BHS concert Band is the center of the instrumental music program. These classes include marching band, pep band and concert band. These classes are open to anyone who wants to work hard, play hard and who want to be a part of something much bigger than yourself. The Bison Band program is known throughout the state and has a tradition and

expectation of excellence. Being a part of this class will also allow you to have other opportunities such as All State Band, various Honor Bands and Festivals.

51252 PERCUSSION ENSEMBLE (Grades 9 – 12)

1 credit

Prerequisite: Audition only/must have instructor approval. The BHS concert Band is the center of the instrumental music program. These classes include marching band, pep band and concert band. These classes are open to anyone who wants to work hard, play hard and who want to be a part of something much bigger than yourself. The Bison Band program is known throughout the state and has a tradition and expectation of excellence. Being a part of this class will also allow you to have other opportunities such as All State Band, various Honor Bands and Festivals.

51253 JAZZ ENSEMBLE (Grades 9 – 12)

1 credit

Prerequisite: Audition only/must have instructor approval. By audition only, this class is open to anyone interested in instrumental jazz music. The group performs at numerous local functions and performs with other jazz ensembles from around the state and region at jazz festivals throughout the year. Membership in the regular band class is required.

51XXX MUSIC APPRECIATION (Grades 9 – 12)

1 credit

In Music Appreciation, students will explore the development of music from a historical and cultural perspective. Students will study the fundamentals of music and discover basic music concepts.

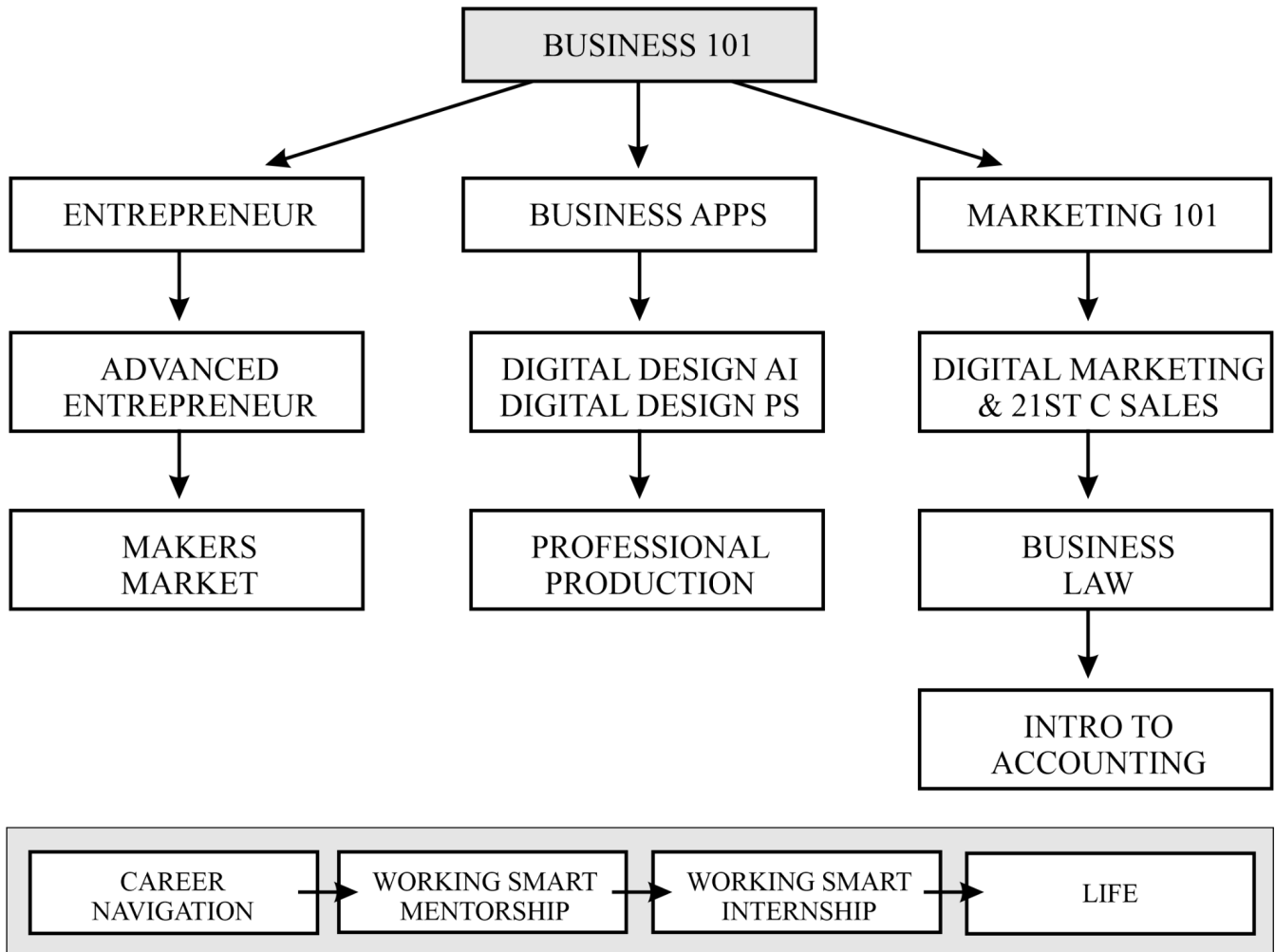
51XXX INDEPENDENT MUSIC (Grades 9 – 12)

1 credit

Independent Music class is destined to give an opportunity for students of various levels of musicianship to further explore music. Students could learn a new instrument, could work on theory and musical concepts, or even prepare for advanced musical endeavors, such as majoring in the field of music. Approval from instructor would be mandatory in order to design an outcome based plan of learning.

CAREER AND TECHNICAL EDUCATION

***Indicates dual credit from BHS and Sheridan College*



CTE COURSE DESCRIPTIONS

50300 INTRO TO ACCOUNTING (Grades 10 – 12)

.5 credit

SCED 12104

Accounting is the language of all businesses. The course is recommended for all students. Most people end up in the business world and accounting will be a major part of that world. Even professional people like doctors, engineers, and lawyers will need to understand accounting. This fundamental course is designed to provide students with the skills and knowledge necessary to record financial information in the operation of a business. Business simulations will give students a "hands-on" experience with accounting and the opportunity to be marketable for employment. Skills learned in this class will be used well beyond high school both personally and professionally.

59890 CAREER NAVIGATION (Grades 10-12)**.5 credit****SCED 22151**

Career Navigation is designed to prepare students for their future and develop a foundational framework for life after high school. Students will complete self-awareness activities, career exploration activities, and pre employment activities. Career Navigation will help students answer the questions: **Who am I, What do I Want, and How do I Get it?** Students will identify possible career interests, research those interests, and end the semester with the development of career portfolios and other activities that will help foster success in reaching career and life goals.

50224 DIGITAL DESIGN & PRODUCTION-ILLUSTRATOR (Grades 9-12)**.5 credit****SCED 11153**

Do you like creating your own graphics and want to learn more? Would you like to create your own t-shirts, logos, posters, digital content, and other exciting items? Join Digital Design & Production using Adobe Illustrator to develop your knowledge of graphic design, media creation, and production. This is a great hands-on class and it will allow you to learn a variety of skills and applications!

52509 DIGITAL DESIGN & PRODUCTION-PHOTOSHOP (Grades 9 – 12)**.5 credit****SCED 11153**

Do your like editing your own photos and want to learn more? Would you like to create your own t-shirts, posters, flyers, digital content and other exciting items? Join Digital Design and Production using Adobe Photoshop to develop your knowledge of photo editing, design manipulation, special effects, advertising, media creation and production. This is a great hands-on class and it will allow you to learn a variety of skills and applications.

52509 PROFESSIONAL DESIGN AND PRODUCTION (Grades 10-12)**1 credit****SCED 11153**

Prerequisite: Digital Design & Production (Illustrator or Photoshop) or instructor's approval. This course will utilize industry recognized production technologies and techniques to produce items requested by Stampede Station customers. This advanced course focuses on the graphic design process and production of t-shirts, sweatshirts, mugs/bottles,caps,awards, stickers, and other promotional products. Students will be guided through the preparation, design, cost analysis , and completion of products on a variety of equipment. Professional Design and Production will prepare students to be part of a team and create a positive, respectful workplace that empowers everyone to achieve their fullest potential. Students will continue to improve their use of Adobe Illustrator & Adobe Photoshop to design creative logos and artwork. Some out of class time might be necessary for the successful completion of the course

59891 DIGITAL MARKETING & 21ST CENTURY SALE(Grades 10-12)**.5 credit****SCED 12169**

Digital Marketing & 21st Century Sales introduces students to the dynamic world of digital marketing and selling in today's world. The course furthers students' understanding and skills in using digital channels and tools to promote products and deliver messages, developing and implementing digital marketing campaigns, and using data analytics to evaluate and quantify digital marketing efforts. Current technology will be used to acquire information and to complete activities. Students will explore the rise of social media and integrating digital tools in the overall marketing strategy. The will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts. This course will give students a foundation in sales skills, and customer service. Students will gain crucial workplace skills to increase customer satisfaction and retention weather in person or online.

50335 BUSINESS APPLICATIONS (Grades 9 – 12)**.5 credit****SCED 10004**

Computers are not just for business anymore, they are for everyone and they are everywhere! Mastering basic computer operations is essential for communicating and obtaining information in a rapidly changing world of technology. Students will learn life-long skills during the Business Applications course. This class is a concurrent enrollment class that articulates with CMAP 1680, Microcomputer Applications. This semester course focuses on the Microsoft Office Suite. The skills

taught are a prerequisite for many computer and business degrees, certification programs, and for enrollment in upper-level computer courses. Students will be challenged with realistic activities in the classroom environment. Students will utilize the course to further their knowledge of technology and skills used in high school, college, and the workplace.

50401 MARKETING 101 (Grades 9 – 12)

1 credit

SCED 12152

Do you want to be creative and have fun while learning business? If so, Marketing 101 is for you! This course will give students a foundation in advertising, selling, promotion, pricing, marketing-information management, market planning, marketing management, marketing research, merchandising, professional sales, business management, and careers in marketing. Students will be given an opportunity to participate in hands-on projects in the classroom, at BHS, and in the community. Some out of class time might be necessary for the successful completion of the course.

50308 BUSINESS 101 (Grades 9 – 12)

1 credit

Have you ever asked yourself “why do I need to know this?” If you have, you won’t be asking yourself that after taking Business 101! This course will prepare you for “life” when you’re out on your own! Whether your career goals are in law, hospital administration, engineering, fashion, sports, marketing, accounting, science, or hospitality, understanding business is important. Business 101 is an introductory course that will cover a wide range of topics to help you understand business functions, technical literacy, leadership skills, and career success in the world around you.

51193 ENTREPRENEURSHIP (Grades 9 – 12)

1 credit

Are entrepreneurs born or made? Do I want to work for someone else or myself? Why should I do this? In this class, you will answer these questions along with learning the principles of starting, managing, financing, and marketing your own small business. On block days, every attempt will be made to learn from our local businesses and entrepreneurs by either visiting them or having them come to our classroom.

51197 ADVANCED ENTREPRENEURSHIP (Grades 10-12)

1 credit

Entrepreneurship is a passion. As a continuation of Entrepreneurship, this course will acquaint students with the knowledge and skills necessary to own and operate their own business. Some topics covered will be economics, marketing, human relations, law, legal rights and responsibilities of ownership, business and financial planning, and how to finance and keep track of your money. A hands-on approach will be used to further learning. On block days, you will develop a partnership with a business and spend time mentoring with a local business person.

50796 L.I.F.E. (LEARNING INDEPENDENCE FOR EVERY DAY) (Grades 12)

1 credit

Sheridan College HMDV 1025*50 Intro to Online Learning 1 credit and Sheridan College FIN 1000*50 Personal Finance 3 credits. This course is yearlong and will focus on life after high school whether it is preparing for college or seeking employment. Time will be spent using technology to prepare for the ACT, researching colleges and future occupations, filling out applications and scholarship forms, learning personal finance skills relevant to financial planning for college and in future occupations, and learning what an online learning environment looks like at the college level.

60040 MAKER’S MARKET (Grades 10 -12)

1 credit

Prerequisite: Entrepreneur. A desire to create, a desire to make, a desire to sell, and most importantly a desire to learn. This class is designed for someone who wants to think, practice, track, and put into action their plans...whether it is a new app, a craft, or an online store, the expectation is that making and selling will occur. This is entrepreneurship in action...sign up if you want to do something in the market.

59896 WORKING SMART MENTORSHIP (Grade 11-12)

1 credit

SCED 22151

Working Smart Mentorship will introduce students to basic leadership skills for personal and professional use. Course content will include but is not limited to discussion and activities involving effective leadership characteristics, self esteem, verbal and nonverbal communication, stress management, time management, goal setting, social etiquette and career development. Students will use the leadership & career development skills learned in the course to complete a Mentorship Experience in a career field of interest. Students will mentor a professional within the community to gain knowledge of an

occupation that interests them. All mentorship experiences will be unpaid. Students will complete a “mentorship bootcamp” that familiarizes them with job skills prior to starting their mentorship experience.

50400 WORKING SMART INTERNSHIP (Grades 11 – 12)

1 credit

SCED 22101

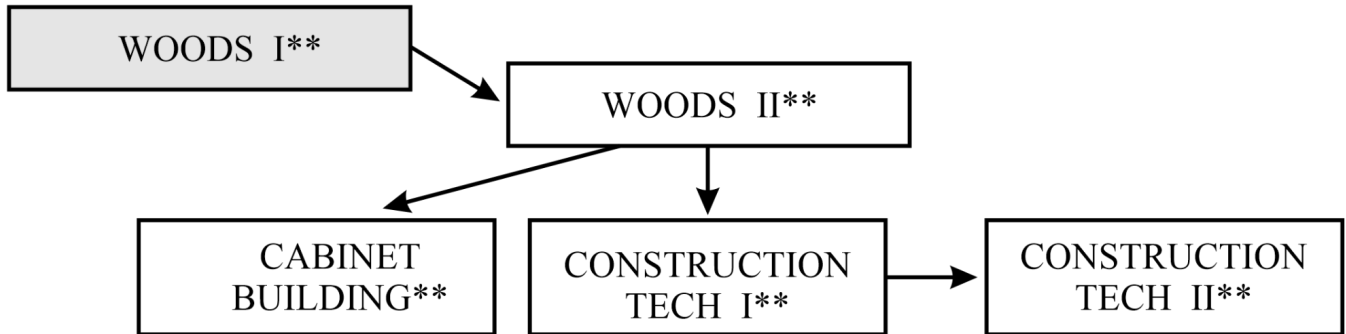
Prerequisite/Recommendation: Must Be Enrolled in Working Smart Class

Do you have a job? Would you like credit for working while attending school? Working Smart Internship provides supervised on-the-job training at cooperating businesses where students will improve and acquire skills needed to be successful in future careers. Learning experiences will include career research, interviewing, understanding employee pay & benefits, ethics and attitude on the job, etiquette, getting along with co-workers, getting a raise or promotion, and improving communication skills. The student will be employed in a position and work 15-20 hours per week. Students will be paid at least minimum wage, must complete wage/hour reports, follow the guidelines in the training agreement, and receive an acceptable performance evaluation. The student is evaluated by the employer and the teacher/coordinator.

Students must maintain a passing grade and may not miss more than ten (10) days per semester. It is also required that students maintain their own form of transportation to and from their placement.

WOODWORKING

***Indicates dual credit from BHS and Sheridan College*



WOODWORKING COURSE DESCRIPTIONS

51000 WOODWORKING I (Grades 9 - 12)

1 credit

No Prerequisite - There is a lab fee. Have you found a project on the Internet or Pinterest that you think is cool and want to build? This course is designed to help you construct various woodworking projects using basic woodworking skills. You will learn how to safely operate various types of woodworking tools and stationary equipment.

51010 WOODWORKING II (Grades 10 - 12)

1 credit

Prerequisite: Woodworking I - There is a lab fee. **Sheridan College - CNTK 1860 Woodworking Fundamentals – 3 credits** This course is a continuation of Woodworking I. Your projects will be of a higher difficulty level and will include the use of varied wood joinery and construction techniques.

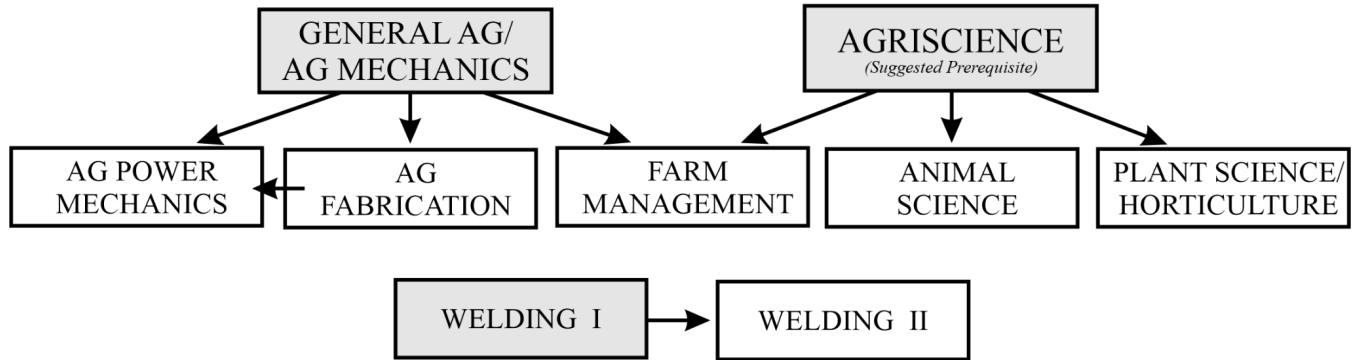
51020 CABINET BUILDING (Grades 11 - 12)

1 credit

Prerequisite: Woodworking II - There is a lab fee. **Sheridan College - CNTK 1865 Woodworking Fundamentals II – 3 credits** This is a level III woodworking course that will incorporate the problem solving skills and construction techniques that go along with building advanced projects. Instruction will include the use of industry level computer controlled woodworking equipment.

AGRICULTURE

***Indicates dual credit from BHS and Sheridan College*



AGRICULTURE COURSE DESCRIPTIONS

50100 AGRISCIENCE (Grades 9 – 12)

1 credit

This course may only be taken once. Major topics addressed are the science of living things, environment, careers, leadership, record keeping, natural resource management, integrated pest management, plant science, animal science, and food science technology. Agriculture is a science-based industry and scientific concepts will be instructed as they relate to the agricultural industry. Hands-on experiences, lectures, guest speakers, field trips, and computers will be used to study our single largest industry. Concepts learned in this course are common to many careers. It is recommended that first year agricultural students take this class in preparation for more advanced science and agricultural classes.

50140 FARM SHOP 1 (Grades 9-12)

This course is designed for the student who wants to learn how the shop works on a ranch or farm. Skills that will be developed are: arc welding, MIG welding, TIG welding, rural electrification, masonry, plumbing, and surveying. Safety is taught on the proper use of all shop equipment. Shop behavior and correct procedures are applied in all settings. Competencies developed will be useful for the home construction projects, repair and/or further training at a technical school.

50150 FARM SHOP 2 (Grades 9-12)

Prerequisite: Farm Shop 1. emphasis will be placed on project design, repair, and completion of usable products. Additional shop skills that will be taught are: tool conditioning, equipment repair, power machinery, and metal fabrication. Students are required to design and build their own projects and are encouraged to have their own personal items.

50311 AGRICULTURE FABRICATION/CONSTRUCTION (Grades 10 - 12)

1 credit

Prerequisite: General Ag/Ag Mechanics. This course is designed to further dive into project design, plan, and construction. Focus will be placed on project design, repair, and completion of usable, high quality products. Additional shop skills that will be taught are: tool conditioning, equipment repair, power machinery, and metal fabrication. Students are required to design and build their own projects and personal items.

50315 AG METAL FABRICATION ENTREPRENEURSHIP (Grades 10 – 12)

1 credit

Prerequisite: Agriculture Fabrication/Construction or Welding II. This course is designed to dive deeper into producing, marketing, and selling projects. Topics explored will be project design/fabrication, project marketing/sales, and profit/costs associated with producing metal products. Students will be directly involved in the plan, design, construction,

and marketing of projects for community members. Students will take part in a school run business, exploring all aspects/duties of running a small business.

59924/51001 WELDING I/II (Grades 10 - 12)

.5 credit

Taken Back to Back

Welding 1: *Prerequisite: Farm Shop I/Ag Mechanics*. Students will dive deeper into SMAW and GMAW welding processes. Students will develop basic welding skills and more advanced welding concepts. Students will spend contact hours working on passing visual and bend tests in various welding positions. Students will learn to read and follow specific welding symbols.

Welding 2: *Prerequisite: Welding 1*. Students will learn more advanced skills related to SMAW and will learn the basics of GTAW and Oxy-Fuel welding. Students will advance their knowledge of weld/welding symbols. Students may dive into FCAW or other advanced processes, time allowing. Welds will be required to pass a machine bend test to pass.

50107 AGRICULTURE POWER MECHANICS (Grades 11 - 12)

.5 credit

The emphasis of this semester course will be based in engine dynamics, drive train, hydraulic power, pneumatic power, and D.C Electrical power. Grading will be based on lab work as well as unit tests. Students will be applying their learning through hands-on labs and project vehicles. Students will be afforded the opportunity to tour higher education programs and work places. Students wishing to pursue a degree in diesel mechanics or industrial mechanics would greatly benefit.

50110 ANIMAL SCIENCE (Grades 10 - 12)

1 credit

Offered Odd Year. **Sheridan College – ANSC-1010 Livestock Production -4 credits**

Topics covered will deal with useful knowledge in animal husbandry (care and management of livestock). Animal evaluation, breeding systems, diseases, genetics, reproduction, body functions, nutrition, and management are learned through instructor and guest lectures, field trips, and films. Ranch operations that employ various management practices in livestock production will be observed. Students who are interested in the proper care and management of animals and/or pursuing a career in animal science at the college level will enjoy this class. (This course rotates each year with Vet Science)

89234 VETERINARY SCIENCE (Grades 10 - 12)

1 credit

Offered Even Year

Topics covered will deal with knowledge in Vet science management and client relations, Veterinary Animal Production, General Anatomy and Disease Processes, and Clinical procedures. Clinical procedures, hospital procedures, handling and restraint procedures will be learned through instruction, field trips, observations and guest lectures. Students who are interested in animals and Veterinary medicine, and/or pursuing a career or education in Veterinary Medicine or animal science will enjoy this class. (This course rotates each year with Animal Science)

50160 FARM MANAGEMENT (Grades 10 - 12)

.5 credit

Management in agriculture employs the same principles used in all businesses. The first semester will cover management principles, record keeping, budgets, cost analyses, cash flows, balance sheets, and taxes and laws as they affect an agricultural business. The class will visit local agencies to learn what they provide to the agricultural industry and businesses in the community. Projects will be used to strengthen learning, such as, simulated purchase of a ranch or property, including all legal aspects, financing, stocking, and profitability projections; marketing problems to determine who can earn the highest profit through marketing strategies and the use of future markets. The second semester will include the use of computer programs to assist in management strategies. It is recommended that students taking this class have an understanding of general math concepts.

50115/50108 PLANT SCIENCE/HORTICULTURE (Grades 9 - 12)

.5 credit

Offered Spring Semester Only

Students will develop an understanding for plant genetics, plant propagation, growing systems, and crops in the Buffalo area. The class will involve the use of the greenhouse, orchard, and field trips. Students who wish to spend time in a greenhouse and garden environment will enjoy learning plant growth, seed preparation, cutting, grafting, and gardening; with an emphasis in plant health, nutrition, and growth. The class will spend time learning vineyards, fruit production,

flower production, and vegetable production. A majority of the course work will be based in the lab. Field trips will be offered to view local operations.

50126 AG LEADERSHIP AND COMMUNICATIONS (Grades 11 - 12)

.5 credit

Agricultural Leadership and Communications is a course that focuses on identifying current issues affecting the agricultural industry both locally and nationally. We will concentrate on individual and group forms of communication. We will learn about all types of agricultural communications such as speech writing, discussions, presentations, marketing, and salesmanship. This course provides advanced agriculture students with instruction on leadership and communication skills with a focus on opportunities in the agriculture industries. By the end of the course, students will have built an understanding of agriculture and be able to share that knowledge with others -increasing awareness and making an influence in the field of agriculture.

MISCELLANEOUS COURSE DESCRIPTIONS

59910 TEACHER AIDE (Grades 11 – 12)

.25 credit

The teacher aide program provides an opportunity for each student to gain a realistic experience within the teaching profession. Teacher aides must accept the responsibility of being an adult role model in a classroom and will be held to the same standards of a hired aide. These responsibilities and standards include attendance, dress, behavior, language, maturity, work ethic, confidentiality, dependability, etc. Student aide responsibilities will vary depending on the age level and supervising teacher.

50223 PHOTOGRAPHY (Grades 11-12)

1credit

Students will be introduced to skills, tools, and techniques that will boost their photography taking abilities. This course will be designed for students who have a bit more experience with photography and are looking to develop their overall skills in the subject area. This course may include training in the use of a digital camera, phone camera, the ability to set up photo shoots, working on basic photo editing skills, and learning how to frame and present formal photographs. Students will be exposed to classic and modern photography concepts. Students will receive training on how to take photographs depending on location and subject area. (Ex. Landscapes, Sports, Portraits) Students will be expected to engage and participate daily in a digital photo journal. This class will cross over with Yearbook and the Pemmican in order to create better photography opportunities for all students involved.

60200 CULINARY ARTS 1 (Grades 9 - 12)

1 credit

The ProStart program is a pioneering school-to-career program that introduces juniors and seniors to careers in food service and teaches the basic skills and knowledge needed for success in the foodservice industry. The first year content consists of food safety and sanitation, food service equipment, food preparation, catering, food service business, the tourism and lodging industry, and hospitality. Students will have the opportunity to obtain a Wyoming State Food Handler's Permit Certification.

SPECIAL SERVICES COURSE DESCRIPTIONS

51940 ADAPTED PHYSICAL EDUCATION (Grades 9 - 12)

1 credit

(Class meets at YMCA)

Only by referral. Individualized instruction is given to each student based upon specific learning strengths and weaknesses. Specific course is then designed or modified to assist each student in attaining basic skills to meet graduation requirements.

51970 LEARNING STRATEGIES (Grades 9 - 12)

1 credit

Only by referral. This course is designed to teach students "how to learn" by providing them with learning strategies that help them to generalize the use of learning strategies in their classes and through a variety of situations. The course helps students to build on their functional independence. Students will be instructed in strategies that are designed to provide students with the tools for acquiring, managing, and/or expressing the content of the general education classes.

51990 WORLD OF WORK (Grades 11 - 12)

1 credit

Only by referral. This course combines classroom instruction with supervised work experience at an approved training location (both on and off campus). Students will explore career interests, develop a resume, complete an application, cover job seeking skills and work related habits. They will be evaluated to help them improve their skills. **Employment is a requirement.**

60300 RESOURCE ENGLISH (Grades 9 - 12)

1 credit

Resource English, a specially designed multi-graded course for students with Individual Education Plans. This course focuses on remediated grade level content to fit the academic level of students with learning challenges. The overall objective of this class is to ready these students for inclusion into the regular English classroom. Students are placed only by IEP team decision.

51930 BRIDGES ENGLISH (Grade- 12)

1 credit

Only by referral or recommendation of an English teacher. Bridges is a co-taught Senior English class that is designed for students going straight into the workforce after graduation. The focus of this class is improving vocational writing and presentation skills that are needed for successful employment outcomes. Students are required to create an employment portfolio that is individualized to their own post-secondary goals and participate in community job shadowing. This course is Hathaway qualified.

60320 RESOURCE MATH (Grades 9 - 12)

1 credit

Resource Math is a specially designed multi-graded course for students with Individual Education Plans. This course focuses on remediated grade level content to fit the academic level of students with learning challenges. The overall objective of this class is to ready these students for inclusion into the regular Math classroom. Students are placed only by IEP team decision.