

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
ENGLISH			
01051	Comp/Gram/Lit I& II - 1 semester. Students will read and analyze various works of literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. The goal of the class is to improve students' overall reading, writing and thinking abilities.	0.5	*Freshman required with Course 00101 *Sophomore required with Course 01151
01053	Novels/Creative Writing -1 semester. Students will read and analyze various novels which will may include short stories and dramas. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	Grades 11-12
01054	Am Lit/Jr Comp - 1 semester. Students will read and analyze various works of American literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	*Junior required with Course 01102
01052	Eng Lit/Comp/Grammar IV - 1 semester. Designed for seniors and emphasizes comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduce and explore more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, and so on) 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.	0.5	*Seniors only
01101	Comp/Gram/Lit I - 1 semester. Students will read and	0.5	*Freshman required with

analyze various works of literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. The goal of the class is to improve students' overall reading, writing and thinking abilities.

course 01051

01102	Am Lit/Jr Comp - 1 semester. students will read and analyze various works of literature which will include novels and drama. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. Also, the students will spend time reading non-fiction articles on various social issues and writing about their stance on these issues.	0.5	*Junior required with Course 01054
01104	Novels/Creative Writing -1 semester. Students will read and analyze various novels which will may include short stories and dramas. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	Grades 11-12
01151	Speech - 1 semester. intended to help students feel more comfortable in formal speaking situations. In addition, students will learn proper speech writing techniques.	0.5	*Sophomore required with course 01051

01157	<p>Communication for Career Success - 1 semester. Provides opportunities to develop communication skills necessary for workplace success. This course will expand prior career exploration by analyzing interactions with employers, leaders, and colleagues in a collaborative setting. This writing intensive course allows students to develop proficiency by producing technical writing and communication products. Workplace cultural responsiveness will be examined through practicing team dynamics. Technical writings will be complemented with research and differentiated readings applicable to students' career goals and aspirations.</p>	0.5	*Seniors only
11101	<p>Journalism ~ Newspaper - 2 semester. Newspaper is a two-semester course that focuses on the theory and practice of gathering, processing, and delivering news that prepares individuals to produce a school newspaper published weekly by the Emery Enterprise and Bridgewater Tribune. This course focuses on the fundamentals of news, feature, editorial, sports writing, interviewing, editing, photography, time management, and computer generated layouts.</p>	1	Grades 9-12
11104	<p>Journalism ~ Yearbook - 2 semester. Yearbook is a two-semester course that focuses on the production of the Bridgewater-Emery school yearbook. In this course, students will gain skills in the following areas: page design, editing, photography, reporting, writing, typography, brainstorming, responsibility, time management, teamwork, and leadership skills.</p>	1	Grades 9-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
INTERNSHIP			
80018	Youth Internships - Youth internships allow students to gain authentic, real-world experience in business and industry. Students' interests, strengths, and chosen career clusters/pathways determine the internship experience(s). Based on the internship experience(s), students will gain insight to their postsecondary personal learning plan.	0.5	Grades 11-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
WORLD LANGUAGE			
06101	Spanish I - 2 semesters. Presents the basic Spanish language and culture. The students will learn a variety of vocabulary, grammar, and culture. Upon completion, students will have a Novice Mid level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 9-12
06102	Spanish II - 2 semesters. Presents the more complex structures of basic Spanish and expands the cultural themes of the first level of Spanish. This course is an extension of Spanish I that takes what the students have learned and adds vocabulary, several new verb tenses, and more in-depth cultural experiences. Upon completion, students will have a Novice High level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 10-12
06103	Spanish III - 2 semesters. More complex structures of basic Spanish and expands the cultural themes of the first and second levels of Spanish. This course is an extension of Spanish II that takes what the students have learned and adds a lot more vocabulary, new verb tenses, and more in-depth cultural experiences. Upon completion, students will have an Intermediate Low level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 11-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
FINE ARTS			
05101	<p>Band - 2 semesters. The primary goal of the instrumental band program is to provide a well-rounded musical education for students. This education focuses on building a strong foundation of musical knowledge upon which artistic performances are built. In addition to providing a quality music education, the band program also recognizes the need to educate the whole child. The program seeks to develop the character and citizenship of each student in the band, assisting each child to attain his/her own personal best while working in a teamwork environment.</p>	0.5	Grades 9-12
05110	<p>Vocal Music - 2 semester. Membership is open to all students with previous singing experiences or ability. this class is available for fine arts credit. Students will study various genres of choral music, participate in all concerts and contests for credit.</p>	0.5	Grades 9-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
PE/HEALTH			
o8001	<p>PE/Health - 1 semester. Health and Physical Education is a semester class designed to help establish patterns of behavior that will assist a students in achieving complete health. The course is designed to cover a balance of physical, mental, social and emotional well-being as well as the opportunity to develop lifetime fitness skills. Students will participate in such activities as; bowling, cards, archery, tennis, golf, and softball. Students will also receive CPR training.</p>	0.5	*Freshman required
o8005	<p>Health/Fitness - 1 semester. This course is designed to achieve knowledge of lifetime personal health and development of physical fitness. This course will strive to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit. The course shall concentrate on lifetime activities that are necessary to continue a life of health and fitness. Students will design their own personal fitness program.</p>	0.5	Grades 10-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
SHOP			
13207	<p>Welding - 2 semesters. Designed for students that want a solid background in basic principles and practices of welding. Students will receive instruction on safety and knowledge of arc welding, wire feed welding as well as oxygen-acetylene welding and cutting. Students will also demonstrate comprehension of materials using hands on experiences and proper completion of their own projects. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.</p>	1	Grades 10-12
17006	<p>Introduction to Architect and Construction- 1 semester. This course will introduce students to various sectors of the construction industry. We will cover many different topics where students will be able to complete hands on activities to enable the learning process. Starting with shop safety and ending with student projects, students will be able to perform all basic skills involved in woodshop by the completion of this course.</p>	0.5	Grades 10-12
17007	<p>Cabinetry - 2 semesters. An advanced class for students</p>	1	Grades 11-12

that have completed Industrial Arts I, II and/or III. The class allows students to design and build larger projects also allows development towards a trade/career. Students will receive safety instruction over tools before beginning to work in shop. Student may design projects in either woodworking or welding areas. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.

21103

Architecural Drafting - 1 semester. Industrial Arts II will begin with a 9 weeks of drafting that will incorporate the basic drafting knowledge form IA I and advance higher levels of drafting. Each student will be able draw and read a house plan by the end of the nine weeks. The final three nine weeks will be over Power tools and focus on safety along with carpentry. Students will demonstrate proper safety practices while learning power tool usage. Each student will be allowed hands on experience as they create their own projects. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.

0.5

Grades 9-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
SENIOR EXPERIENCE			
80019	Senior Experience - The senior experience requires students to complete a research project, design and develop a product, assemble a portfolio, and complete an oral presentation before a panel.	0.5	*Senior required

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
SOCIAL STUDIES			
04001	World Geography - 1 semester. The Geography course will emphasize the cultural and physical geography of different regions of the world. The class will look into the relationship between United States and the other regions of the world.	0.5	*Freshman required with Course 04051
04051	World History - 1 semester. This survey course emphasizes the development of Western Civilization from prehistoric time through the eighteenth century. Included are discussions of: The Stone Age and Early Civilization; Classical Greece and Rome; Medieval Times; The Renaissance and Reformation; The Age of Enlightenment and the Age of Exploration.	0.5	*Freshman required
04064	Contemporary World Issues - 1 semester. This course will focus on current items in the news. How these varied issues impact the student's life will be emphasized.	0.5	Grades 9-12
04101	US/American History -2 semesters. The survey course will provide students knowledge of the origins, theory, historical context, foundations, structure, operation, problems, evolution and future of government in the United States. The class will look into the relationship between the United States and the other regions of the world.	1	*Junior required
04151	US Government - 1 semester. This course provides students with the details of American democratic principles and practice. It also encourages students to explore how government works in their everyday lives.	0.5	*Senior required

04163	Consumer Law - 1 semester. Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights).	0.5	Grades 9-12
04201	Economics - 1 semester. This course provides students with the information needed to understand how individuals and nations make economic decisions. The course helps students analyze economic theories and put those theories to modern day use.	0.5	Grades 11-12
04254	Psychology - 1 semester. Students will master the principles of psychology along with being aware of applications for their own lives.	0.5	Grades 10-12
04258	Sociology - 1 semester. During this class, human relationships, social structures and social change are studied. After each section is discussed, causes and effects will be determined.	0.5	Grades 10-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
MATH			
02051	Pre- Algebra - 2 semesters. Covers many of the topics as Algebra I, but at a slower pace. It includes topics of expressions, percents, area & perimeter, substitution, fractions, solving equations, linear graphs, and solving systems of equations.	1	*optional for Freshman
02052	Algebra I - 2 semesters. Covers a variety of topics that were introduced in middle school mathematics. We start with expressions, equations, and functions, then move on to solving equations and inequalities and linear functions. Then we wrap up the year with exponential functions and quadratic functions.	1	*Freshman required
02056	Algebra II - 2 semesters. Review and build on material learned in Algebra 1. New topics will be introduced which can include function transformations, graphing linear and absolute value inequalities, operations with matrices, quadratic functions and their applications, and operations with polynomials. Students will also explore various uses of the TI-84 Plus calculator.	1	Grade 10-11
02057	Algebra III - 2 semesters. Explore and develop fundamental algebraic concepts needed in courses like College Algebra. Some topics include linear equations and functions, systems of equations, and polynomial factoring along with other mathematics topics based on student need and interest.	1	Grades 11-12
02072	Geometry - 2 semesters. This course is based around	1	Grades 9-10

knowledge learned in Algebra 1. Similarity and congruency is studied through the use of constructions and geometric transformations. Other topics could include measurement (area/volume), coordinate geometry, circle properties, and probability.

02110	Pre-Calculus - 2 semesters. Students will explore advanced algebra topics including polynomial, rational, and exponential expressions and functions. Some trigonometric concepts will be studied to further develop foundational skills needed in any advanced math classes like calculus.	1	Grades 11-12
02154	Business Mathematics - 2 semesters. Uses math used to solve business problems. It gives a framework to understand business concepts related to payroll, supply chains, taxes, insurance, interest, debt, saving, and financial statements.	1	Grades 11-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
SCIENCE			
03003	Enviromental Science - 2 semesters. Environmental Science course examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subject: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.	1	Grades 10-12
03051	Biology - 2 semesters. Study of living things and their relationship to the environment. This includes topics such as cell structure and function, ecology and organism interactions, genetics and heredity, and evolution and classification.	1	*Sophomore required
03055	Human Physiology/Anatomy - 2 semesters. A tour of the human body that introduces all organ systems in the body.	1	Grades 11-12
03101	Chemistry - 2 semesters. This is a continuation of the chemistry curriculum presented in physical science. Chemistry is an experimental science that includes, as its goal, the development of an atomic and molecular description of the properties and behavior of matter. The course will also include stoichemtry (mass relationship between reactants and products), acids and bases, and reaction energy and reaction kinetics.	1	Grades 11-12
03103	Organic Chemistry - 2 semesters. Organic Chemistry	1	Grades 10-12

courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques.

03151	Physics, online - 2 semesters. This course will provide the student with understanding of major concepts and encourage application with life experiences. The course is a basic conceptual physics course with math related problems taught as an extra. The text is written in simple language, has cartoon like sketches, and thought provoking demonstrations.	1	Grades 11-12
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03161	Conceptual Physics - 2 semesters. This course will include hands-on building of objects with the intent of seeing how physics is being applied to those objects. Topics can include energy, forces, projectile motion, levers, waves, electronics, and transfer of energy. Students will work on science fair type projects and explore other curiosities along the way.	1	Grades 11-12
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03210	STEM (Science, Tech, Eng,Math) Class - 2 semesters. This is a course that will not only learn current topics in science, but the process of learning will be different. Students will be doing project-based discovery learning with emphasis on the engineering process (the process used by engineers to solve problems). Topics may change year to year but may include plants and gardening, animals, robot building contest, forensics, and outdoor landscaping projects. The students will not be handed a ready to go lab and fill in the blanks; rather, they will include research, design, collaboration, budgeting of a projects and overcoming frustrations that come with these real-life experiences.	1	Grades 10-12
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Course Number	Course Title & Description	Credit	Prerequisites / Requirements
FACS			
19051	<p>Human Development (Preschool-School) - 1 semester. The focus of this course is to learn about the growth and development of children ages 3-12. Students will gain knowledge, skills, and attitudes needed to work with this age group in the role of care giver (babysitter/daycare worker) or future parents. Projects and activities focus on integrating child development concepts with the skills needed to provide a nurturing and engaging environment. Hands-on activities include observing and carrying out activities with children ages 3-12.</p>	0.5	Grades 9-12
19052	<p>Human Development (Prenatal-Toddler) - 1 semester. The focus of this course is the growth and development of children from conception to age 3. Topics include prenatal development, pregnancy, labor/delivery, infants, and toddlers. Projects and activities focus on knowledge and skills needed to have a healthy pregnancy and raising a healthy infant/toddler. Hands on activities include creating activities to promote toddler development and parenting simulations.</p>	0.5	Grades 9-12
19151	<p>Teaching & Training -1 semester. This course is designed</p>	.5	Grades 10-12

to give knowledge, skills, and experiences to high school students who are considering a profession in education (early childhood, elementary, or middle/high school) or training (business or industry). This course would also be beneficial for students interested in training careers such as occupational or physical therapy, or athletic training where one would design plans for clients to learn skills to improve their physical wellbeing. Hands-on activities include job shadows, designing lessons/activities, and field experience (carrying out lesson) in area of personal interest.

22101	Leadership & Service - 2 semesters. This course helps students learn to be effective leaders in their schools and communities as well as being healthy individuals. Topics focus on effective communication, conflict resolution, leadership habits, Career and Technical Student Organizations, professional behaviors, and healthy habits. Hands-on activities include community service projects, presentations of your choice, and food labs.	1	Grades 9-12
22152	Employability/Careers - 1 semester. Employability is a semester course focusing on creating an employable individual. The goal of this class is to prepare students for employment in a changing and global world. Course activities and projects develop knowledge and skills necessary for students to be successful in career planning, job seeking and job keeping.	0.5	Grades 10-12
22202	Nutrition & Wellness - 1 semester. This course helps students to lead healthy lifestyles through nutrition and physical activity. Topics include food safety and sanitation, nutrition, cooking skills, and current food issues/trends. Hands-on activities include exploring factors that affect kitchen safety/sanitation and cooking labs.	0.5	Grades 10-12
22204	Communication and Life Skills for the 21st Century - 1	0.5	Grades 10-12

semester. The focus of this course is to prepare students with effective communication and life skills to be successful on sports teams, at work, and in family life. Students will learn about the communication cycle and how to resolve conflicts. Students will explore tactics that work to recognize, gain, and maintain healthy relationships with individuals across the lifespan.

22210	Personal Finance - 1 semester. Develop knowledge and skills associated with managing personal and family financial resources. A project based approach is used to address such topics as money values, spending plans, cash management, saving and investing, insurance, housing, credit, transportation, and related consumer issues. The final project is the development of a personal financial plan.	0.5	Grades 11-12
80026	School to Work - The school-to-work experience allows students to gain hands-on experience at a business, develop employability skills, and learn job skills.	0.5	Grades 9-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
ART			
05155	Art I - 1 semester. Designed to provide students with the opportunity to develop a foundation of varied art skills, techniques, and concepts. Also, the students will produce, and discuss their own art and that of others. The students will be encouraged to start a sketch book for the purpose of generating ideas, recording visual incidence.	0.5	Grades 9-12
05155	Art II - 1 semester. Continuation of Art I. Art II is designed to provide students with the continued opportunity to develop a foundation of varied art skills, techniques, and concepts. Students will be encouraged to see and understand their expressive potential. This continued study will allow them to begin to form opinions and judgments about their artwork and that of their peers. Students will continue to keep a sketch book for the purpose of generating ideas and recording visual incidence.	0.5	Grades 10-12
05155	Art III - 1 semester. Designed to further the skills and techniques acquired in Art I and II. This course is designed to challenge the student with higher level creative and critical problem-solving skills. Art III provides students with the opportunity to expressively and descriptively record and control visual perception, understand and use connections between ideas, emotions, and varied media.	0.5	Grades 11-12

***As student's progress they will become more responsible for pursuit of their own regards to the arts.**

Students will work in drawing, painting, printmaking, crafts, photography and fiber arts.

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
AG			
18001	Intro to Ag, Food & Natural Resources - 1 semester. This course covers basic concepts in agriculture. Topics in the course include plant sciences, animal sciences, food science, agribusiness, and communications.	0.5	Grades 9-12
18051	Greenhouse Management I (Fundamental Plant Science) - 1 semester. This course will give students a background in horticultural science and the many career opportunities in nursery, garden, turf and landscape industries. It addresses the biology and genetics involved in production, processing, and marketing of horticulture. Topics covered include classifying and identifying plants, physiology and propagation, pest management, understanding soil, environmental, and fertility factors affecting plant growth, various horticulture industry sectors, and employability skills. Classroom and laboratory content may be enhanced by utilizing the greenhouse.	0.5	Grades 9-12 *Fall semester only
18057	Greenhouse Management II (Advanced Plant Science) - 1 semester. This course will give students a customized understanding of the following horticulture sectors: Landscape Design, Floriculture, and/or Greenhouse Management. Topics include identification, use and management of equipment and materials, as well as managing plant growth and maintaining plants and equipment. Employment skills, human relations, mathematics, biology, chemistry, and technology will also be topics discussed.	0.5	Grades 9-12 *Spring Semester only *Must have taken Greenhouse Management I
18101	Fundamental Animal Science - 1 semester. The focus on this	0.5	Grades 10-12

course is the production and care of livestock, horses, and poultry. Students will learn production practices and methods, body systems, basic care, nutrition, reproduction, and genetics as it relates to animal production.

*Fall Semester only

18102	Companion Animals - 1 semester. Companion Animals is designed to give students an understanding of basic care and handling practices related to small animals. Students will learn about a variety of small animals including cats, dogs, fish, rabbits, hamsters, gerbils, guinea pigs, chinchillas, reptiles, birds and more.	0.5	Grades 9-12
18107	Advanced Animal Science - 1 semester. The focus on this course is the production and care of livestock, horses, and poultry. Students will learn production practices and methods, body systems, basic care, nutrition, reproduction, and genetics as it relates to animal production.	0.5	Grades 10-12 *Spring Semester only *Must have taken Fundamental Animal Science

18201	<p>Agribusiness Sales and Marketing - 1 semester. Agriculture businesses sell and market their products globally, regionally and locally, leading to many related positions at these businesses. Skills related to selling and marketing products greatly enhance the success of an employee in an agribusiness operation. Agribusiness Sales and Marketing is designed to provide students with skills that focus on job preparatory skills as well as employee tasks necessary in agricultural sales and marketing occupations and the many career opportunities in the Agribusiness Systems Career Pathway. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Mathematics, English and human relations skills will be reinforced in the course. Work-based learning strategies appropriate for this course are school-based enterprises and field trips. Developing a business plan for an AFNR business as an authentic assessment for the end of the course is recommended. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities, conferences and skills competition such as sales related career development events and proficiency awards. Each student will be expected to maintain a Supervised Agricultural Experience Program/Internship.</p>	0.5	Grades 9-12
18202	<p>Agribusiness Management - 1 semester. Agribusiness Management is a semester-length or year-long high school elective that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students will learn about the components of the agribusiness system and how they interact to deliver food to our tables. They will also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.</p>	0.5	Grades 10-12 *Must have passed Algebra I

18203	<p>Agricultural Leadership and Communications - 1 semester.</p> <p>In this course, students learn how to become more effective leaders in their school and community. The course focuses on participation in organizations, personal development, advocacy, and communications.</p>	0.5	Grades 9-12
18401	<p>Fundamental Ag Mechanical Technologies - 1 semester.</p> <p>Offered to help students build basic knowledge and skills in the area of agricultural mechanics, along with soft skills necessary for careers in the Agriculture, Food and Natural Resources sector. Topics covered in this course include: electricity, engines and ag technology. More substantial knowledge on the individual topics comes in advanced courses such as Ag Systems Technology, Ag Metal Fabrication, and Fundamental Ag Structures. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Algebra, geometry, English and human relation skills will be reinforced in the course. Work-based learning strategies appropriate for this course are school based enterprises and field trips. This class is reinforced through the FFA and Supervised Agricultural Experience (SAE) programs, the Ag Mechanics Career Development Event, and related Proficiency Experience or Internship Project. Each student will be expected to maintain a SAE.”</p>	0.5	<p>Grades 10-12</p> <p>*Fall Semester only</p> <p>*Must have taken Intro to Ag, Food & Natural Resources</p>

18402	<p>Advanced Ag Systems - 1 semester. Technically trained employees are needed in many aspects of the agriculture power industry. This course addresses the technical and industrial skills and techniques related to Power, Structural, & Technical Systems within South Dakota, as well as address soft skills needed for careers in this area. Technology in agriculture is ever-changing and this course will address emerging technologies in our industry. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Mathematics, science, English and human relations skills will be reinforced throughout the course. Work-based learning strategies appropriate for this course are school-based enterprises and field trips. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities, conference and skills competition such as the Ag Mechanics Career Development Event or related proficiency award areas. Each student will be expected to maintain a Supervised Agricultural Experience (SAE) program.</p>	0.5	<p>*Maximum 8 Seniors *Spring Semester only</p>
18501	<p>Wildlife & Fisheries - 1 semester. Students in this course will understand how and why the management of wildlife and fish is important. They will identify many species of animals and will investigate topics including hunter safety, hunting and fishing laws, game management, endangered species, habitat requirements, and current events.</p>	0.5	<p>*Grades 10-12 *Fall Semester only</p>

18502	<p>Advanced Natural Resources - 1 semester. Advanced Natural Resources is designed to build upon the basic concepts learned in the Fundamental Natural Resources course. Advanced Natural Resources gives the student a deeper understanding of the decision-making processes that are involved in environmental and natural resource management and conservation, globally, regionally and locally. Students will specifically examine issues related to natural resource use in South Dakota. Topics will include management strategies such as assessing rangeland condition, examining forest site indices, looking at the health of fisheries and wildlife and applying ecological concepts and principles to living organisms in natural resource systems, as related to sustained yield concepts. Students will be expected to understand the importance of soils and their relationship to all ecosystems. Students will be trained to assess air and water quality standards and parameters. Energy and mineral extraction industries will be examined along with looking at determining impacts on the soil, air, and water resources. Classroom and laboratory content may be enhanced by utilizing up-to-date equipment and technology, such as Geographic Information System software to map and inventory resources in real time. Biology, statistics, algebra, English, and human relation skills will be reinforced throughout the course. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities, conferences and skills competition such as sales related career development events and proficiency awards. Each student will be expected to maintain a Supervised Agricultural Experience Program/Internship.</p>	0.5	Grades 10-12
18504	<p>Fundamental Natural Resources - 1 semester. This class is designed to give students a well-rounded understanding of the resources we use everyday. Topics of study in this course include air, water, forestry, pollution, outdoor recreation, soils, and careers related to these fields.</p>	0.5	Grades 10-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
BUSINESS/COMPUTER			
10004	Foundations of Technology - 1 semester. Students will have an understanding of the Office programs. Topics covered will be word processing software, spreadsheet software, presentation software, and database software.	0.5	*Freshman required
10101	Networking Technology - 1 semester. Students in the Network Technologies course prepare for careers that involve network analysis, planning, and implementation, including design, installation, maintenance, and management of network systems. The successful establishment and maintenance of networking infrastructure is critical to the success of organizations.	0.5	Grades 10-12 *Hardware & Software required before taking this course
10108	Cyber Security - 1 semester. This is an introductory course designed to familiarize students with the concepts of cybersecurity. Understanding key issues associated with protecting information assets and providing students with an overview of the field of information security including looking at passwords, cryptographic principles, network attacks, security policies, backups, web and browser security, network attacks, firewalls and wireless security.	0.5	Grades 11-12
10155	Computer Programming I & II - 2 semesters. Computer	1.0	Grades 10-12

Programming I introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem-solving skills through a programming language such as C, C++, C#, Java, Python, or Visual Basic. Computer Programming II reviews and builds on the concepts introduced in Computer Programming I and introduces students to more complex data structures. Topics include sequential files, arrays, and classes.

10201	Web Development I & II - 2 semesters. WD I is a course designed to guide students in a project-based environment implementing web development techniques. Through the use of hypertext markup language (HTML5) coding, Cascading Style Sheets (CSS), and JavaScript students will plan, design, develop, deploy, and maintain website projects. Students will learn fundamentals for a career in web development as they complete projects and create their own website. WD II reviews and builds on the concepts introduced in Web Development I including live production and scripting.	1.0	Grades 10-12
10205	Digital Animations - 1 semester. Students will use animation software similar to Blender and AutoDesk Software to design, create, and animate a variety of objects. Animation careers will also be explored.	0.5	Grades 10-12

10251	Computer Hardware & Software - 1 semester. This course will prepare students to become more knowledgeable about the integral components of a computer system. Topics covered in the class include individual hardware components, upgrading and troubleshooting a computer, installing operating systems, and configuring basic network services.	0.5	Grades 10-12
11000	Intro to Video Game Design - 1 semester. Students will use GameMaker and Blender to program, design and manage video games. GameMaker is the program for building games, while Blender is a 3D modeling and animation platform.	0.5	Grades 10-12
12104	Accounting I -2 semesters. The course introduces concepts and principals based on a double entry system of maintaining and analyzing all types of business transactions, It teaches the student how to journalize, post and prepare all types of financial statements.	1	Grades 10-12
12108	Accounting II - 2 semesters. An advance course will develop advanced skills of accounting. Computerized accounting will be incorporated into these skills.	1	Grades 11-12

Course Number	Course Title & Description	Credit	Prerequisites / Requirements
Online & Dual Enrollments			
Online classes available on SD Virtual High School, go to http://www.sdvs.k12.sd.us			
Dual Enrollment classes available on SD MyLife, go to http://sdmylife.com/students/advanced-education-opportunities/			