

Dear Students,

It is time to register for courses you plan to take during the next school year. This is a difficult task. There are three basic criteria you should consider when making your course selections: your ability, your interests, and your potential career goals.

Your parents, teachers, counselor, and principal can make recommendations as to which courses you should select. These recommendations generally are based on your abilities, interests, and career goals. One of the main roles of the school counselor is to assist students to reach their full potential.

As you make your course selections, please keep in mind your post secondary and career goals as well as your interests and abilities. Challenge yourself to select courses that match your post secondary goals. Look at each course as a challenge for personal growth. You get as much out of your education as you put into it. Go for it!

If you have any questions or need help in planning your courses please feel free to see either of us.

Mr. Monty Mayer  
Principal

Ms. Kris Krause  
Counselor

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## GRADUATION REQUIREMENTS

### **Language Arts ..... 4 credits**

English I – Grade 9 ..... 1 credit

English II – Grade 10 ..... 1 credit

English III – Grade 11 ..... 1 credit

English IV or English 110-120 – Grade 12..... 1 credit

### **Mathematics..... 3 credits**

A combination of the following classes: General Math, Consumer Math, Pre-Algebra, Algebra I, Geometry, Algebra II, Personal Finance, Trig, Pre Calc, Calculus, College Algebra, Basic Statistics.

### **Science..... 3 credits**

Physical Science – Grade 9 ..... 1 credit

Biology – Grade 10 ..... 1 credit

Science Electives ..... 1 credit

### **Social Science ..... 3 credits**

US History – Grade 11 ..... 1 credit

Problems of Democracy – Grade 12..... 1 credit

Social Science Electives ..... 1 credit

### **Health and Physical Education..... 1 credit**

Physical Education – Grade 9..... ½ credit

Health – Grade 10..... ½ credit

### **Technology ..... 1 credit**

Word Processing/Computer Applications ..... 1 credit

### **Two Credits from any of the following..... 2 credits**

Foreign Language, Fine Arts, Career & Technology Education Courses

**Total Required Credits..... 17 credits**

**Total Elective Credits ..... 5 ½ credits**

**Total Graduation Credits ..... 22 ½ credits**

*Note: Student Aide and VRE do not count toward the 22 ½ credits required for graduation.*

According to NDCC 15.1-21-18.3 High School Students and their parents are entitled to receive a consultative review of the students' individual high school education plan at least once during the school year.

### **REGISTRATION**

1. Students must enroll in a minimum of 6 classes per semester.
2. Seniors who have written permission from their parents may have open campus privileges. All other students must be in study hall when they do not have a class.
3. Students will be allowed to add or drop classes during the first 3 days of semester 1 classes, and by the end of the first day of second semester classes with the permission of the principal and/or the counselor and consulting with parents as needed.

### **NORTH DAKOTA UNIVERSITY REQUIREMENTS**

#### **Admission Requirements of Two-Year Institutions**

Requirements for admission to most two-year, post-secondary institutions are the same as those required for graduation from high school; however, if there is a possibility that a student may attend a four-year institution, it is recommended that the guidelines for admission to a four-year institution be observed.

#### **Admission Requirements of Four-Year Institutions**

All students who graduate from high school after 1993 and are under the age of 23, are subject to admission requirements at the four-year public institutions. The purpose of the admission requirements is to ensure that students entering North Dakota's baccalaureate institutions are prepared to succeed at the post-secondary education level of studies.

Students contemplating attending a four-year North Dakota University must meet the following requirements:

- 4 units of English
- 3 units of mathematics (Algebra I and higher math courses)
- 3 units of laboratory science, including at least 2 in biology, chemistry, physics or physical science
- 3 units of social studies

### **COLLEGE PREPARATORY CLASSES**

Below is a list of Hazen High School college preparatory courses that meet the North Dakota University System admission requirements:

#### **English**

English 9I

English 10

English 11

English 12 or Composition 110/120

Speech I

#### **Math**

Algebra I

Algebra II

Geometry

Trigonometry

Pre-calculus (1/2 credit)

Probability & Statistics (1/2 credit)

College Algebra (1/2 credit)

Calculus (1/2 credit)

#### **Science**

Physical Science

Biology

Advanced Biology

Chemistry

Physics

Anatomy

**Social Studies**

World History  
US History  
Problems of Democracy  
Geography  
Psychology  
Sociology  
North Dakota Studies  
Area Studies

The NCAA and NAIA have specific academic criteria in establishing the initial eligibility certification status of a student-athlete. Please check with Mrs. Lunde for these requirements or check the following website. The NCAA website is [www.eligibilitycenter.org](http://www.eligibilitycenter.org) and the NAIA website is [www.playnaia.org](http://www.playnaia.org)

**EXTRA CURRICULAR ACTIVITIES**

Students are welcome to participate in the extra- curricular activities at Hazen High School. These activities provide an opportunity for students to develop leadership skills, team building skills and demonstrate focus and commitment.

***Athletics:***

Football	Basketball
Cross Country	Track
Volleyball	Baseball
Hockey	Wrestling
Drill Team	Golf
Figure Skating	

### ***Organizations and Activities:***

Student Council	Speech Team
Drama	Band
Acalympics	FBLA
Annual Staff	One-Act Contest Play
Math Track Team	National Honor Society
Science Bowl	Science Olympiad
Choir	FCCLA
FFA	Peer Youth

### **DUAL CREDIT OPPORTUNITIES**

Dual Credit is an opportunity for high school students to earn high school and college credits at the same time. Students taking dual credit classes follow the application process set forth by the North Dakota University System and the Department of Public Instruction. Dual Credit requires the student to pay BSC tuition along with books, fees, supplies, etc. Hazen High School offers the following classes for Dual Credit through Bismarck State College.

- COMM 110 Fundamentals of Public Speaking
- ENGL 110 College Composition I \*\*20
- ENGL 120 College Composition II
- PSYC 111 Introduction to Psychology
- MATH 103 College Algebra \*\*21
- MATH 107 Pre-Calculus/Discrete Math \*\*22
- MATH 165 Calculus I \*\*24

\*\* minimum ACT Score required.

### **NORTH DAKOTA ACADEMIC AND CTE SCHOLARSHIP**

The total value of the scholarship is \$6,000 with a payment of \$750 per semester for a total annual payment of \$1,500. Students not attending college or university in the fall may defer payment until the time of attendance. However, the award will only be paid during the six years following high school graduation.

Scholarships are renewable provided the student is enrolled full time and maintains a 2.75 GPA based on a 4.00 scale reviewed each semester.

### **ND ACADEMIC SCHOLARSHIP**

1. ND resident graduating for a ND high school, satisfying state diploma requirements
2. Complete: A) 1 unit of algebra II; B) 1 unit of math for which algebra II is a prerequisite; C) 2 units of the same foreign language, the same Native American Language, American Sign Language or career and technical education from a coordinated plan of study; D) 1 unit selected from foreign languages, Native American Language, American Sign Language, fine arts, or career and technical education.
3. Earn no lower than a "C" on any unit required for the diploma, including scholarship requirements.
4. Earn a cumulative GPA of at least a "B", which is a 3.0 GPA on a 4.0 scale
5. Earn a 24 or higher on the ACT
6. Complete ½ unit of a dual credit course

### **ND CAREER AND TECHNICAL EDUCATION SCHOLARSHIP**

1. ND resident graduating from a ND high school, satisfying state diploma requirements
2. Complete: A) 1 unit of Algebra II; B) 2 units from a CTE coordinated plan of study; C) 2 additional units of CTE; D) 1 unit selected from foreign languages, Native American



Language, American Sign Language, fine arts or career and technical education.

3. Earn no lower than a “C” in any unit required for the diploma, including scholarship requirements. Grade cannot be a “C-”.
4. Earn a cumulative GPA of at least a “B”, which is a 3.0 GPA based on a 4.0 scale
5. Earn a 24 or higher on the ACT or three 5’s on the WorkKeys assessments

### ENGLISH DEPARTMENT

**COURSE: English 9**  
SEMESTERS: 2  
GRADE: 9  
PREREQUISITE: None

COURSE CODE: 1101  
CREDIT: ½ per semester  
REQUIRED

This course reviews and expands grammar and usage skills. It also includes study of a variety of literature genres including short stories, drama, and poetry. Writing skills are practiced with an emphasis on organization and support of expository, descriptive, and narrative compositions. An oral communications unit focuses on organization and presentation of speeches. A separate vocabulary study is incorporated into the curriculum on a regular basis to enhance individual student word recognition and comprehension skills.

**COURSE: English 10**  
SEMESTERS: 2  
GRADE: 10  
PREREQUISITE: English 9

COURSE CODE: 1102  
CREDIT: ½ per semester  
REQUIRED

This course reviews and expands grammar and usage skills. It also includes a study of a variety of literature genres including novels, short stories, poetry, and drama. Students focus on a variety of writing styles, using correct grammar, sentence, paragraph, and essay structure. A separate vocabulary study is incorporated into the curriculum on a regular basis to enhance individual student word recognition and comprehension skills. In addition, students complete units in research and library skills and work on developing oral and written communication skills.

**COURSE: English 11**                      **COURSE CODE: 1103**  
**SEMESTERS: 2**                              **CREDIT: ½ per semester**  
**GRADE: 11**                                  **REQUIRED**  
**PREREQUISITE: English 9, 10**

This course consists of reading a variety of American literature genres from the pre-colonial period through the 21<sup>st</sup> century, including fiction, non-fiction, poetry, drama, short stories, and novels. Writing about literature will be stressed using different approaches. Students will also complete units in the research process, grammar review and usage, and work on developing oral communication skills. A separate vocabulary study is incorporated into the curriculum on a regular basis to enhance individual student word recognition and comprehension skills.

**COURSE: English 12**                      **COURSE CODE: 1104**  
**SEMESTERS: 2**                              **CREDIT: ½ per semester**  
**GRADE: 12**                                  **REQUIRED**  
**PREREQUISITE: English 9, 10, 11**

This course consists of reading a variety of British literature genres from the Anglo-Saxon period through the 21<sup>st</sup> century. Writing about literature will be stressed using different approaches. Students will also complete units in the research process, grammar review and usage, and work on developing oral communication skills. A separate vocabulary study is incorporated into the curriculum on a regular basis to enhance individual student work recognition and comprehension skills.

**COURSE: Applied Communications** COURSE CODE: 1116  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 11-12  
PREREQUISITE: None

Students will study oral, and written communications, as well as learning about nonverbal communication and listening skills. Practical applications of these skills such as job applications, resumes, interviewing skills will be practiced. Students will also learn organization and delivery of different types of speeches.

**COURSE: Journalism** COURSE CODE: 05081  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 9-12

Introduction to the unique characteristics of journalistic expression; techniques and practice in news reporting and writing. This class will produce a school newspaper; therefore a minimum of six students is required.

**COURSE: Creative Writing** COURSE CODE: 05042  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 10-12  
PREREQUISITE: It is strongly recommended students have a C+ (86%) semester grade or higher in English and a score on the NWEA test that is above RIT level.

Creative writing offers the students an opportunity to use their writing skills to express themselves and analyze the world around them.. Students will work to complete a personal portfolio of writing which may include short stories, plays, and different forms of poetry.

**COURSE: Fiction (Novels)**

**COURSE CODE: 05077**

**SEMESTERS: 1**

**CREDIT: ½ credit**

**GRADE: 11-12**

**PREREQUISITE:** It is strongly recommended students have a C+ (86%) semester grade or higher in English and a score on the NWEA test that is above RIT level.

Students read, analyze, evaluate, and respond to a variety of novels. Course work includes practice of oral and written communication skills. The course provides an opportunity to compare the printed work with its film version. Students will spend time researching information about each author studied, the time period in which he/she lived, and the setting for each of the novels assigned.

**(Dual Credit Option)**

**COURSE: Composition – S1**

**COURSE CODE: 1105**

**SEMESTERS: 1**

**CREDIT: ½ English credit**

**GRADE: 12**

**3 semester hours**

**FEE:** Tuition to BSC + books

**PREREQUISITE:** English 9,10,11, minimum ACT score of 20 in English

This first course for developing writing skills offers students guided practice in a variety of descriptive-narrative and expository forms, related reviews of grammar and standard usage, and reading and discussion related to these activities. Library research is incorporated into this course.

**(Dual Credit Option)**

**COURSE: Composition – S2**

SEMESTERS: 1

GRADE: 12

FEE: Tuition to BSC + books

PREREQUISITE: Composition – S1

COURSE CODE: 1165

CREDIT: ½ English credit

3 semester hours

This second course in the composition sequence continues and reinforces the writing skills practiced in College Composition I, emphasizing library research and the writing of analytical and argumentative papers making use of the thesis-support format and MLA style used in a variety of academic disciplines. Students focus on language through literature and/or film by writing, reading, responding, viewing, and discussing.

**(Dual Credit Option)**

**COURSE: Fundamentals of Public Speaking - Speech I**

COURSE CODE: 1116

SEMESTERS: 1

GRADE: 12

FEE: Tuition to BSC + books

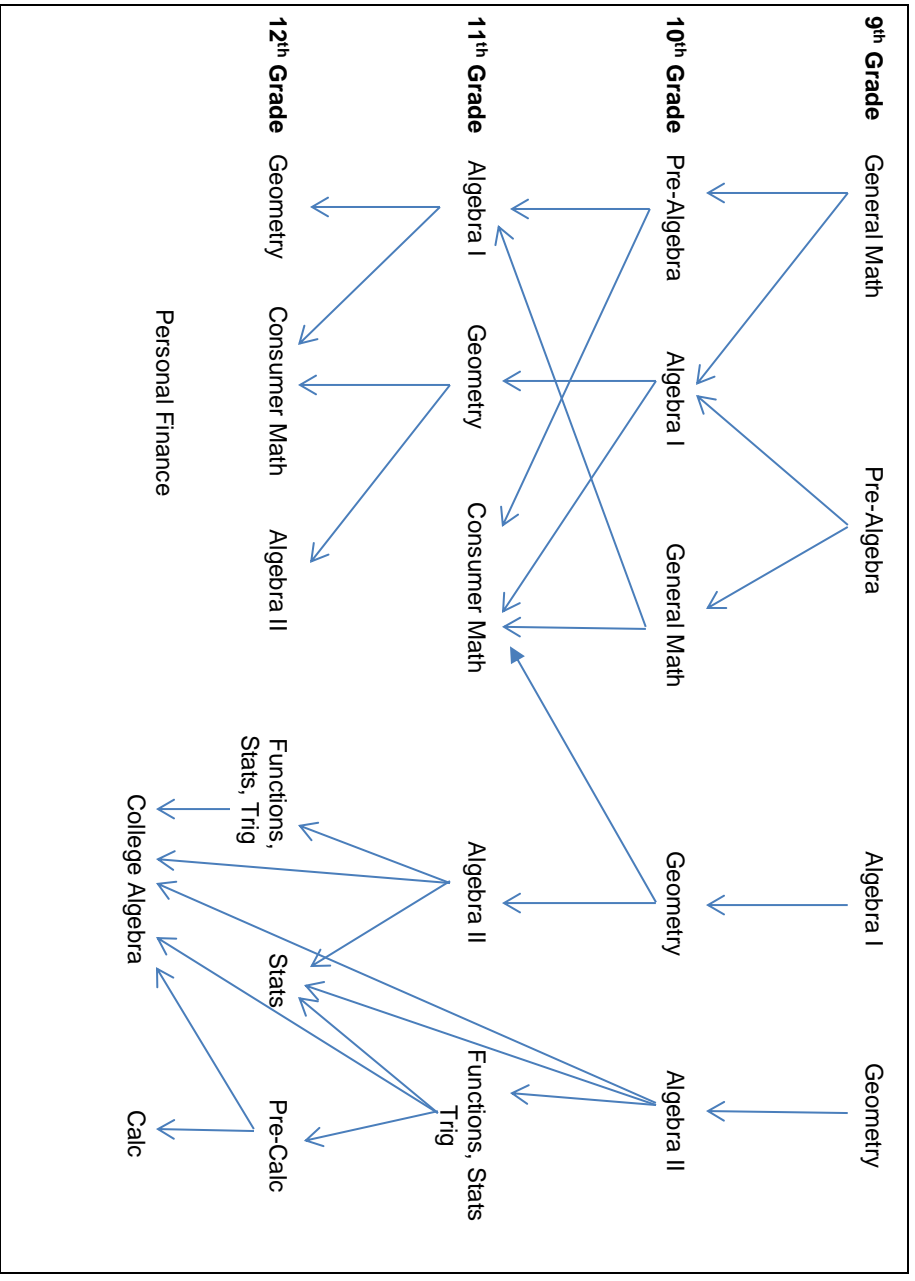
PREREQUISITE: None

CREDIT: ½ credit

3 semester hours

The course is designed to lay a foundation in skills for informal and formal speaking situations. There is an emphasis on content, organization, audience adaptation, critical evaluation of messages, language, and delivery.

**MATH DEPARTMENT**



COURSE: **General Math I** COURSE CODE: 19918  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: None

General Math is designed to assist students in learning principles of algebra, number operations, functions, exponents and roots, proportions, percent's, graphing, and basic geometry.

COURSE: **Consumer Mathematics** COURSE CODE: 2365  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12  
PREREQUISITE: None

*Note: cannot have successfully completed Algebra II. Those students should enroll in Personal Finance and Basic Statistics.*

Consumer math is designed to assist students in learning to use mathematics effectively as a tool in their personal and business lives.

COURSE: **Pre-Algebra** COURSE CODE: 01201  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9-12  
PREREQUISITE: None

Pre-Algebra reviews and reinforces the understanding of math concepts learned in grades 1-8 while building a strong foundation for algebra.

COURSE: **Algebra I** COURSE CODE: 1203  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: Pre-Algebra

Algebra I is the study of structures and properties of real numbers. An understanding of mathematical concepts learned in previous math classes is reinforced through the use of variables. Real life problems are solved with the use of algebraic techniques.

COURSE: **Personal Finance**  
(Math Applications)

COURSE CODE: 02366  
CREDIT: ½ per semester

SEMESTERS: 1

GRADE: 11 - 12

PREREQUISITE: Algebra I or higher

This class provides an introduction to economic concepts and the practical aspects of applying them to everyday living. Basic instruction in goal setting and decision making will help students with their personal economic and career goals, i.e. loans, insurance, taxes, federal forms, college forms, investments, credit cards, checking and savings accounts, jobs and earning power, post-secondary costs, budgets, rental vs. mortgage, investments, and retirement.

COURSE: **Algebra II**

COURSE CODE: 1204

SEMESTERS: 2

CREDIT: ½ per semester

GRADE: 10 - 12

PREREQUISITE: Algebra I, Geometry

RECOMMENDATION: Graphics calculator (TI-83, 84, 85, or 86 only)

Algebra II extends the concepts that students have encountered in Algebra I and Geometry. A problem solving focus allows students to connect their prior mathematical knowledge to more advanced topics. Emphasis is placed on the foundation of real numbers and procedures used to solve a variety of open sentences. Function concepts are extended to include polynomial, exponential and logarithmic functions. Students are introduced to the study of triangle and circular trigonometry. Instructional activities which require students to use graphing calculators enhance student learning.



**COURSE: Geometry** COURSE CODE: 1205  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: Algebra I

Geometry is the study of size, shape, position and other properties of the objects around us. It is a mathematical system in which a few basic statements or ideas are agreed to and then used to discover results by logical reasoning.

**COURSE: Trigonometry** COURSE CODE: 1206  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11 – 12  
PREREQUISITE: Algebra II, Geometry  
RECOMMENDATION: Graphics calculator (TI-83, 84, 85 or 86 only)

Trigonometry/Statistics/Functions is the study of relationships between the sides and angles of triangles. A functional approach is used to find the calculations concerning triangles. This course does integrate the traditional topics of trigonometry with matrix representations and explorations of real-world problems. Algebraic techniques are also studied in an advanced standpoint integrating the use of functions. The course includes the study of statistics through collecting, analyzing, processing and displaying data.

**COURSE: Basic Statistics** COURSE CODE: 11150  
SEMESTERS: 1 CREDIT: ½ per semester  
GRADE: 11 – 12  
PREREQUISITE: Geometry completed with grade of “C” or higher.

This course includes a study of methods used to determine the probability that an event will happen and methods for handling and analyzing data. This course is intended for students interested in fields such as mathematics, science, engineering, business, education, psychology, sociology, and medicine. Taking this course in high school will be beneficial for college statistics. Check with your counselor for college majors requiring statistics.

**(DUAL CREDIT OPTION - BSC)**

COURSE: **Pre-calculus**

COURSE CODE: 1207

SEMESTERS: 1

CREDIT:  $\frac{1}{2}$  per semester

GRADE: 12

4 semester hours

FEE: Tuition to BSC

PREREQUISITE: Geometry, Algebra I & II, Trig/Stats; minimum ACT score of 24 in math

RECOMMENDATION: Graphics calculator (TI-83, 84, 85, or 86 only)

Pre-calc and Discrete Math is the study of logical reasoning, enhancement of algebra, trigonometry, and limits theory. It incorporates real-world problems in various fields such as sciences, computers, engineering, architecture, etc. This course will give students a good base for college calculus.

**(DUAL CREDIT OPTION – BSC)**

COURSE: **Calculus**

COURSE CODE:

SEMESTERS: 1

CREDIT:  $\frac{1}{2}$  per semester

GRADE: 12

4 semester hours

FEE: Tuition to BSC

PREREQUISITE: Trigonometry & Pre-Calculus; Minimum ACT score of 24 in math.

RECOMMENDATION: Graphics calculator (TI-83, 84, 85, or 86 only)

Calculus I is a review of analytic geometry. It includes such things as limits and continuity, derivatives of functions of one variable with applications for use, L'Hopital's Rule, antiderivatives, the Fundamental Theorem of Calculus, numerical integration, trigonometric, exponential and logarithmic functions.

**(DUAL CREDIT OPTION – BSC)**

COURSE: **College Algebra** COURSE CODE: 11034

SEMESTERS: 1

CREDIT: ½ credit/4 semester hours (BSC)

GRADE: 12

FEE: Tuition to BSC + book

PREREQUISITE: Algebra II and Math ACT score of 21

This course is designed to achieve college credit in algebra while attending high school. You will study solutions of linear and quadratic equations and inequalities, graphing functions and relations, polynomial and rational functions, systems of equations and inequalities, exponential and logarithmic functions. This dual credit course is only one semester, meeting every day.

**SCIENCE DEPARTMENT**

COURSE: **Physical Science**

COURSE CODE: 1301

SEMESTER: 2

CREDIT: ½ per semester

GRADE: 9

REQUIRED

PREREQUISITE: None

Physical Science is a combination of the elementary fundamentals of chemistry and physics. Included in this course are basic concepts of measurement, sound, electricity, light, mechanics, atomic structure and chemical reactions. The course focuses on the development of these concepts through experimentation.

COURSE: **Biology**

COURSE CODE: 1302

SEMESTERS: 2

CREDIT: ½ per semester

GRADE: 10

REQUIRED

PREREQUISITE: None

Biology is the scientific study of living things. The course begins with the least complex organisms and progresses to the most complex, the human.

COURSE: **Advanced Biology** COURSE CODE: 19902  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11 - 12  
PREREQUISITE: Biology (grade of "B" or better – 2<sup>nd</sup> semester)

Advanced Biology provides a detailed study of biology, with a continuation of the topics studied in Biology. The laboratory work is advanced, and involves precision, research and teamwork.

COURSE: **Chemistry** COURSE CODE: 13031  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11 - 12  
PREREQUISITE/CO-REQUISITE: Algebra II

Atomic structure, the periodic table, chemical reactions and chemical families will be studied. The laboratory will be used to reinforce basic concepts and develop good lab technique.

COURSE: **Advanced Chemistry** COURSE CODE: 13032  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 12  
PREREQUISITE: Chemistry

Advanced Chemistry is a continuation of Chemistry. It provides a review and reinforcement of the concepts covered in Chemistry. Advanced topics covered include: thermochemistry, oxidation-reduction reactions, equilibrium, acids and bases, solutions and organic chemistry.

**COURSE: Physics**

SEMESTERS: 2

GRADE: 11 - 12

PREREQUISITE: Algebra II

COURSE CODE: 1304

CREDIT: ½ per semester

Physics provides a clear and logical presentation of the basic relationship between matter and energy. It strengthens understanding of these concepts through real world applications while developing creative and logical problem solving skills. Topics covered include mechanics, thermodynamics, vibrations, wave motion, electricity, magnetism, light and optics.

**COURSE: Anatomy**

SEMESTERS: 2

GRADE: 11 -12

PREREQUISITE: Biology (grade of "B" or better – 2<sup>nd</sup> semester)

COURSE CODE: 1306

CREDIT: ½ per semester

This class provides an introduction to the advanced study of the structure of the human body. It includes detailed instruction of the following body parts and systems: cells, tissues, skeletal system, muscular system, integumentary system, nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and reproductive system.

Anatomy deals with the function of the human body. Emphasis is on genetics, tissue function, cell function and continuation of the functions of the structures of the systems covered in the first semester. It includes a comparative dissection of a fetal pig or cat. The comparative lab is a comparison to the human body and involves a computer program with the lab.

COURSE: **Applied Biology** COURSE CODE: 13034  
SEMESTERS: 1 CREDIT: ½ per semester  
GRADE: 11-12  
PREREQUISITE: Physical Science and Biology.  
RESTRICTIONS: Anatomy, Advanced Biology, Chemistry or Physics  
courses have not been taken or will not be taken in  
the same term.

This class is an introduction to the major concepts of Upper Level Biology. The class will consist of a semester of Biology focusing on the introduction to upper level concepts Biology courses. The class will include lecture, research and lab techniques to enhance the learning of specific concepts.

COURSE: **Applied Chemistry** COURSE CODE: 13035  
SEMESTERS: 1 CREDIT: ½ per semester  
GRADE: 11-12  
PREREQUISITE: Physical Science and Biology.  
RESTRICTIONS: Anatomy, Advanced Biology, Chemistry or Physics  
courses have not been taken or will not be taken  
in the same term.

This class is an introduction to the major concepts of modern Chemistry. The class will consist of a semester of Chemistry focusing on the introduction to upper level concepts of Chemistry. The class will include lecture, research and lab techniques to enhance the learning of specific concepts.

## SOCIAL STUDIES DEPARTMENT

COURSE: **World History** COURSE CODE: 2301  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9, 10, 11, 12  
PREREQUISITE: None

The main objective of this course is to familiarize students with the many cultures of the world, starting with the very first civilizations. The emphasis of this course will be to study the social, political, economical and physical changes that have occurred throughout history, and the impact of these changes. A special emphasis will be placed on Modern Western Civilization.

COURSE: **US History** COURSE CODE: 2302  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11 REQUIRED

Ours is a rich heritage. The freedoms we cherish, the institutions that serve us, and the material comforts we enjoy have been handed down to us from past generations of Americans. In order to understand the value of this heritage and pass it along to future generations, we must learn about the past.

COURSE: **North Dakota Studies** COURSE CODE: 15401  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 9, 10, 11, 12  
PREREQUISITE: None

This class covers the concepts and generalizations relative to anthropology, economics, geography, history, political science, psychology, and sociology of North Dakota, with concentrations on the political science and sociology of North Dakota.

COURSE: **Problems of Democracy** COURSE CODE: 05111  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 12 REQUIRED  
PREREQUISITE: US History

The main objective of this course is to provide students with a understanding of the principles of our democracy. Other goals are to provide students with an opportunity to take a more active role in government, to have an understanding of the Constitution and what its powers are, and to examine and explore the three branches of government. Students with a better understanding of our government are more likely to participate in the functions of a democracy. This course will also expose students to the concepts of personal finance.

COURSE: **Psychology** COURSE CODE: 2304  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 11 - 12  
PREREQUISITE: None

This class explores human development, personality development, and principles of learning, dealing with frustration and conflict, psychological disturbances, and behavior in small groups.

COURSE: **Area Studies** COURSE CODE: 15020  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 11 – 12  
PREREQUISITE: None

Area Studies is an in-depth look at various sections of the world that are having a major impact on the world today. Students will take a detailed look at the people, events, and economic/cultural impact of specific areas of the world. They will explore current events in detail. The class will include discussion, outside reading, writing, debate, and research. Students will take an in depth look at changing events around the world.



**COURSE: Geography**  
SEMESTERS: 1  
GRADE: 9-12  
PREREQUISITE: None

**COURSE CODE: 15071**  
**CREDIT: ½ credit**

This course identifies and explains the importance of the five themes of geography: location, place, human environmental interactions, movement, and regions to social studies issues.

**COURSE: Sociology**  
SEMESTERS: 1  
GRADE: 11 – 12  
PREREQUISITE: None

**COURSE CODE: 2305**  
**CREDIT: ½ credit**

This class explores cultural diversity, conformity and adaptation. It also looks at structures and types of groups and societies, and socializing people within a society. In addition, the class takes a special look at adolescents in society, the adult and problems in later years. Deviance in society, class systems, race and ethnic relations and minority groups in the U.S., with an emphasis on prejudice, discrimination and racism are explored.

**(DUAL CREDIT OPTION – BSC)**

**COURSE: Introduction to Psychology (Psychology)**  
COURSE CODE: 15120  
SEMESTERS: 1  
FEES: Tuition & Books (BSC)  
CREDIT: ½ per semester/3 credit hours BSC  
GRADE: 12

Psychology is a science that attempts to understand and predict behavior and to study its relationship to unseen mental processes and to external events in the environment. Subject matter includes the learning processes, perception, motives, emotions, personality, developmental, social and abnormal behavior. This course is a general prerequisite to other psychology courses.

## PHYSICAL EDUCATION/HEALTH DEPARTMENT

**COURSE: Physical Education 9**

COURSE CODE: 1401

SEMESTERS: 1

GRADE: 9

PREREQUISITE: None

CREDIT: ½ credit

REQUIRED

The major goal for physical education 9 is personal fitness through sport and individual activities. The class is 18 weeks in length and includes instruction and testing in badminton, floor hockey, flicker ball, and softball. The fine points of play, the lead up drills to the skills for the activities are taught and tested as well as the rules of fair play. Grades are arrived at by testing rules of games, physical game skills, and fitness assessment by the President's Council on Fitness norms, participation, as well as conduct and attitude.

**COURSE: General Physical Education** COURSE CODE: 08030

SEMESTERS: 1

GRADE: 10 - 12

PREREQUISITE: Physical Education 9

CREDIT: ½ credit

The major goal for physical education is personal fitness. The course is 18 weeks long and includes instruction in speedball, lacrosse, floor tennis, and circuit training. Running and stretching are required daily. Grade is determined by rules tests, skill tests, President's Council fitness tests, the health grade, participation and conduct.

**COURSE: Health**  
SEMESTERS: 1  
GRADE: 10

COURSE CODE: 1402  
CREDIT: ½ credit  
REQUIRED

This class meets every day for an entire semester. The topics covered are: physical/mental/social health, kinesiology, nutrition, personal fitness, human sexuality, class action trials, drug and alcohol prevention, first aid and safety, and community/environmental health. This class may include guest speakers, demonstrations, and projects dealing with health related issues.

**COURSE: Individual & Dual Sports (Lifetime Sports)**

COURSE CODE: 08036

SEMESTERS: 1

CREDIT: ½ credit

GRADE: 11 – 12

PREREQUISITE: Physical Education 9

The goal of this class is personal fitness through lifetime activities. Instruction is given in personal development, recreational activities such as bowling, floor tennis, archery and volleyball.

**COURSE: Weight Training I**

SEMESTERS: 1

GRADE: 10-12

PREREQUISITE: Physical Education 9

COURSE CODE: 08037

CREDIT: ½ per semester

The goal of this class is personal fitness through weight training and conditioning which includes endurance running, sprints, and plyometrics. Running and stretching are required every day. Testing of an individual's progress will be administered. This is a physically demanding course that will require daily effort and participation.

COURSE: **Weights & Training II** COURSE CODE: 08530  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 11-12  
PREREQUISITE: Weight Training-Conditioning

Continuation of weight training and conditioning.

### FOREIGN LANGUAGE DEPARTMENT

COURSE: **German I** COURSE CODE: 1501  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12 **ITV**  
PREREQUISITE: Student must be a “C” student in his or her own language.

German I is the introduction to the German language and culture of the people. Each chapter of the *Auf Deutsch* series will provide students with a chapter opener, video presentation, vocabulary, and study of grammar structure. Cultural aspects will be introduced throughout the chapter.

COURSE: **German II** COURSE CODE: 1502  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12 **ITV**  
PREREQUISITE: German I, student must be a “C” student in his or her own language.

This course expands the foundation of the first year study. Students continue to learn more vocabulary, expand their knowledge of the structure of the language, and increase their ability to use it in spoken and written form. There is also continued study of the culture.

COURSE: **German III** COURSE CODE: 06293  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12 **ITV**  
PREREQUISITE: German I, II

This course is a continuation of German language studies.

COURSE: **Spanish I** COURSE CODE: 1503  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12 **ITV**  
PREREQUISITE: Student must be a “C” student in his or her own language.

Students in Spanish I will be expected to develop consistency in Spanish pronunciation, understand questions, commands, directions, and short conversations. In addition, students will learn to recognize words and phrases dealing with topics such as daily activities, travel, meals, weather, time, family and sports. Students will develop an appreciation of a different culture through readings and discussions.

COURSE: **Spanish II** COURSE CODE: 1504  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12 **ITV**  
PREREQUISITE: Spanish I- Student must be a “C” student in his or her own language.

Students will continue to build on the foundation of Spanish I.

COURSE: **Spanish III** COURSE CODE: 01505  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11,12 **ITV**  
PREREQUISITE: Spanish I, Spanish II- Student must be a “C” student in his or her own language.

Students will expand their vocabulary and use of Spanish. Emphasis is on communication and reading in Spanish.

COURSE: **Latin I** COURSE CODE:  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADES: 9-12 **ITV**  
PREREQUISITE: Student must be a “C” student in own language.

Students will study basic vocabulary and proper sentence structure of Latin, and use the language in speaking, writing, and reading.

COURSE: **Latin II** COURSE CODE: 06152  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADES: 10 – 12 **ITV**  
PREREQUISITE: Latin I

Students will continue to build on the foundation of Latin I.

## **BUSINESS DEPARTMENT**

COURSE: **Accounting I** COURSE CODE: 14010  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12 **ITV**  
PREREQUISITE: None

Accounting I is designed to introduce students to basic accounting principles. Students will learn the basic accounting cycle and the forms that go with it. Students will have the opportunity to complete accounting simulations and some automated accounting.

COURSE: **Accounting II** COURSE CODE: 14011  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 11 – 12 **ITV**  
PREREQUISITE: Accounting I

This course is designed as a continuation of the first year of accounting.

COURSE: **Word Processing (WDI)**  
COURSE CODE: 14096,  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12 **REQUIRED**  
PREREQUISITE: None

This is the first year computer course that introduces the Microsoft 2013 Suite including Word, Excel, and Publisher. Students will use these software packages to produce business and personal documents.

COURSE: **Desktop Publishing (WDII)**  
COURSE CODE: 14098, 14029  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 10 – 12  
PREREQUISITE: Word Processing

This course introduces computer concepts dealing with digital images, photo editing, creating electronic media, using digital hardware, desktop publishing, and multimedia presentations. Students will use the Microsoft Office 2013 Suite, as well as Adobe Photoshop.

**COURSE: Business Technology & Procedures (Office Ed)**

COURSE CODE: 14079, 14080

SEMESTERS: 2

CREDIT: ½ per semester

GRADE: 11 – 12

PREREQUISITE: Word Processing, Desktop Publishing

This course teaches advanced business applications and includes the graphic production lab for nine weeks. Students will use the Microsoft Office Suite 2013 to integrate and apply the software to everyday and business simulations. Emphasis will be on integration and using the advanced features of the software. Semester 2 will consist of multimedia and video editing units. The students will learn to create videos using a video editing software program.

**COURSE: Web Design**

COURSE CODE: 14022

SEMESTERS: 1

CREDIT: ½ credit

GRADE: 11-12

PREREQUISITE: Word Processing

Students will learn to develop and manage web pages using Microsoft Expression Web. Students will work with the web's hyperlinks and appearance, manipulate pictures, create tables, work with frames, and create forms.

**COURSE: Multimedia I (Video Production)** COURSE CODE: 14099

SEMESTER: 1

CREDIT: ½ credit

GRADE: 10-12

PREREQUISITE: Word Processing

Students enrolled in Video Production I will be studying the process of video production. The class will focus on video camera techniques as well as editing using state of the art professional video cameras and software. Video Production I students will produce video projects throughout the semester. These projects may include commercials, photo montages, video biographies, etc...This course will be limited to 12 students per semester. Preference will be given to upperclassman.



COURSE: **Multimedia II** COURSE CODE: 14099  
SEMESTER: 1 CREDIT: ½  
GRADE: 11-12  
PREREQUISITE: Word Processing

This class will create the Elementary and High School Yearbooks using Josten's Avenue web-based software. Experience in editing photos in PhotoShop is preferred. The students will also create the senior class video using Sony Vegas and PhotoShop. This course will be limited to 12 students per semester. Preference will be given to upperclassmen.

COURSE: **Business Law** COURSE CODE:  
SEMESTERS: 2 CREDIT: 1 credit  
GRADE: 11-12 **ITV**  
PREREQUISITE: None

Business Law gives the students a basic understanding of the law. It deals with several cases and legal problems that appear in our everyday lives. This class expands students vocabulary and sharpens their ability to think analytically and systematically.

### **FAMILY & CONSUMER SCIENCE DEPARTMENT**

COURSE: **Family & Consumer Sciences I** COURSE CODE: 1701  
SEMESTERS: 2 CREDIT: ½ per  
semester  
GRADE: 9 –12  
PREREQUISITE: None

The general units this class consists of are sewing, food and nutrition, food preparation, childcare, grooming, resource and consumer management, and self-development.

**COURSE: Nutrition & Food Preparation I (Foods & Nutrition)**

COURSE CODE: 1703

SEMESTERS: 1

CREDIT: ½ credit

GRADE: 10 – 12

PREREQUISITE: None

This class prepares students in the preparation and service of food. Content may include: opportunities in the food service industry; career maturity skills; legislation affecting the food industry; safety and sanitation; organization of food preparation; developing skill in food preparation; menu planning and recipe selection; food purchasing; balancing work and family; and leadership development.

**COURSE: Child Development**

COURSE CODE: 1752

SEMESTERS: 1 (odd-even years)

CREDIT: ½ credit

GRADE: 11 – 12

PREREQUISITE: None

This course covers traditional topics of child development, such as physical and cognitive development, teen pregnancy, day care, parental goals and objectives. Students study children and their development to gain a greater appreciation and understanding of themselves as well as children in their lives. Parenting, constructive discipline techniques, child abuse and neglect are topics of discussion. The students host a play school for community children.

**COURSE: Clothing & Textiles I (Textiles I)**

COURSE CODE: 01707

SEMESTERS: 1

CREDIT: ½ credit

GRADES: 10 – 12

PREREQUISITE: None

Students will develop consumer skills that will enable them to make the best use of resources in planning for, purchasing, caring for, and creating clothing and other textiles for home use. Course content includes: relationship of clothing to culture, changing roles and lifestyles, special problems in clothing construction, current issues in textiles, clothing and fashion, related careers, and leadership development.

**COURSE: Clothing & Textiles II (Textiles II)**

COURSE CODE: 01757

SEMESTERS: 1

CREDIT: ½ credit

GRADES: 10 – 12

PREREQUISITE: None

Textiles II is a continuation of the Textiles I class.

**COURSE: Independent Living (Creative Living Skills)**

COURSE CODE: 09025

SEMESTERS: 1

CREDIT: ½ credit

GRADES: 11 – 12

PREREQUISITE: None

Creative Living Skills is designed for students in grades 11 & 12 to help them achieve informed independence after graduation. It will cover units in living independently, making financial and consumer decisions, and achieving personal goals. It will include topics such as basic food preparation, lifestyle choices, planning for a career, record keeping, housing, and time management.

**COURSE: Nutrition and Fitness (Sports Nutrition)**

COURSE CODE: 09129

SEMESTERS: 1 (even-odd years)

CREDIT: ½ credit

GRADES: 10-12

PREREQUISITE: None

Individual Nutrition and Wellness is designed for students in grades 10, 11, & 12. It includes the components and lifelong benefits of using nutrition to enhance performance. Units cover topics such as long-term health and wellness, selection and preparation of healthy and nutritious meals and snacks, and planning for wellness and fitness.

## ART DEPARTMENT

COURSE: **Fundamentals of Art**      COURSE CODE: 02021  
SEMESTERS: 2      CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: None

Fundamentals of Art class will teach students the basic concepts of art and practice in utilization of the basic materials. The class includes drawing, painting, composition, and crafts to allow for students to experience a number of mediums and techniques.

COURSE: **Drawing I**      COURSE CODE: 02025  
SEMESTERS: 1      CREDIT: ½ credit  
GRADE: 9-12  
PREREQUISITE: None

This class will teach students different supports used in drawing; an overview of ways that drawing has been utilized, past and present; great artists who used or use drawing as their main method of communication. Students will also learn ways to achieve textural effects, depth, and proportions. Students will be taught how to use art as a way to communicate personal feelings and emotions through the use of pencil, ink, conte, pastel, markers, and more.

COURSE: **Drawing II**      COURSE CODE: 02050  
SEMESTERS: 1      CREDIT: ½ credit  
GRADE: 9-12  
PREREQUISITE: Drawing I

Drawing II is a continuation of Drawing I with emphasis in creative/personal design.

COURSE: **Painting I**  
SEMESTERS: 1  
GRADE: 9-12  
PREREQUISITE: None

COURSE CODE: 02026  
CREDIT: ½ credit

Characteristics of each medium will be stressed. Fundamental differences between the opaque media and the transparent media will be demonstrated and utilized in practice. Students will learn the difference between different supports and the uses for each. Students will be taught about gel mediums, texture mediums, and binders. Historical works will be studied to develop a relationship between the past and present. Students will be encouraged to use their creativity in the practice with media.

COURSE: **Color & Design (Paint II)** COURSE CODE: 02026  
SEMESTERS: 1 CREDIT: ½ credit  
GRADE: 9 - 12  
PREREQUISITE: Painting I

Will improve skills in painting (acrylic, oils, watercolor, and/or mixed media). Emphasis will be placed on developing color wheels and charts pertaining to the various paint medias. Emphasis is put on individual creativity as well as individual instruction once the basics have been investigated. Various projects will be incorporated into the study of color such as: Photo collage and mixed media, photo enlargement, color to create an expressive statement, etc...

**COURSE: Adv. Art (Painting III)**      **COURSE CODE: 02028**  
**SEMESTERS: 1**      **CREDIT: ½ credit**  
**GRADE: 12**  
**PREREQUISITE: Painting I, II**

Will help prepare students for a post-secondary experience and is intended for highly motivated student who are interested in the study of art. This class consists of three sections which will include quality, concentration, and creativity. Participants will be required to be proficient in a number of techniques and mediums to create an area of concentration, focus, and study in order to create a portfolio of related works.

**COURSE: Ceramics/Sculpture**      **COURSE**  
**CODE: 02029**  
**SEMESTERS: 1**      **CREDIT: ½ credit**  
**GRADE: 10 – 12**  
**PREREQUISITE: Fundamentals of Art or Crafts**

Basic Techniques for additive and subtractive processes; laboratory sessions using stone, wood, wire, clay, plastics, wax, paper, software, and found objects; and study of positive and negative space, mass and volume for creation of individual works. Encompasses bas relief, in-the-round mobile, and stable structures.

**COURSE: Crafts**      **COURSE CODE: 02024**  
**SEMESTERS: 1**      **CREDIT: ½ credit**  
**GRADE: 9-12**  
**PREREQUISITE: None**

The class will teach students pride in workmanship and excellence of products. Ceramics, wood, metal work, weaving, paper, and plastics are among the crafts that will be explored, including the historical background of each craft area and material. Students will learn about the individual use of crafts, as well as the commercial use for such crafts.

**COURSE: Photography**  
SEMESTERS: 1  
GRADE: 10-12  
PREREQUISITE: None

COURSE CODE: 02060  
CREDIT: ½ credit

Photography class will study the tools, materials, and processes used in the creation of photographs. Students will learn both traditional photography processes, which utilize manual and automatic film cameras, as well as digital cameras and software. Historical examples will be used to teach the growth and expected progression of the field of photography.

**COURSE: Commercial Art**  
SEMESTERS: 1  
GRADE: 10-12  
PREREQUISITE: None

COURSE CODE: 02060  
CREDIT: ½ credit

Students will create projects to be used by school individuals. They will also study career possibilities in colleges and art schools, using conditions as nearly like a commercial studio as possible. Deadlines, rough drafts, conferences with clients, layouts, lettering, completed work critiques, delivery, and billing will be covered.

**COURSE: Art (Senior Art)**  
SEMESTER: 1  
GRADE: 12  
PREREQUISITE: Drawing I or Painting I

COURSE CODE: 02582  
CREDIT: ½ credit

This class is designed specifically for the senior art student who wants a challenge. We will be building an art portfolio. Each student will focus on a specific specialization ending with a display. Expected growth should be seen in personal creativity and challenge in a personal style of mediums used. Introduction to applying to schools as well as scholarship opportunities will be explored.

## MUSIC DEPARTMENT

COURSE: **Concert Choir** COURSE CODE: 1902  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: None

The Hazen Concert Choir is open to students 9 – 12. The choir sings a wide variety of music at four concerts throughout the year. The group also participates in large and small group contests in the spring. Students have several opportunities to audition for honor choirs throughout the year.

COURSE: **HS Band** COURSE CODE: 1903  
SEMESTERS: 2 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: None

The high school band at Hazen is open to students in grades 9-12. The band performs at several home concerts throughout the year. Band students are encouraged to audition for various honor bands and to take part in the annual solo and ensemble festival. The band also performs at various athletic events. Band students may audition for membership in the jazz ensemble, which meets outside of the school day.

COURSE: **Guitar I** COURSE CODE: 12058  
SEMESTER: 1 CREDIT: ½ per semester  
GRADE: 9 – 12  
PREREQUISITE: None

Beginning Guitar is designed to teach basics of playing the guitar. Students will learn to play melodies and chords on the guitar as well as basic techniques that will allow them to play a variety of guitar music. The class is geared toward students who have little or no guitar experience. Students need to provide their own acoustic guitar.



COURSE: **Music Theory** COURSE CODE: 12030  
SEMESTER: 1 even/odd years CREDIT: ½ credit  
GRADE: 9-12  
PREREQUISITE: None

Through learning music theory, students will learn to create different melodies and accompaniments for multiple instruments or voices through the usage of melody and harmony. Experience with a musical instrument will help, but is not necessary.

COURSE: **Music, History, and Appreciation**  
COURSE CODE: 12020  
SEMESTER: 1 CREDIT: ½ credit  
GRADES: 10 – 12

Through learning music appreciation students will gain a better understanding of the purpose and importance of music. The music appreciation course will start with instruction on the basics of music, such as melody, harmony and rhythm. Students will explore composers from the past and present and learn about music from other cultures. Prior experience in music will help, but is not necessary.

COURSE: **Supervised Individual Study: Instrumental Music (Kick-Start Band)**

COURSE CODE: 12059

SEMESTER: 1

CREDIT: ½ credit

GRADE: 9 & 10

PREREQUISITE: None

This class will be offered to all students who have completed 8<sup>th</sup> & 9<sup>th</sup> grade. No prior instrumental experience is required. Students participating in Kick-Start Band will meet daily for a semester with Mr. Harvey. Each class period will be divided up between individual instruction and private practice. Students will be assessed weekly on their performance ability. Students will progress through Books 1 & 2 if the Accent on Achievement Band Series. Those students who successfully complete one semester of Kick-Start band will be eligible for membership in the Hazen High School Band.

#### AGRICULTURAL EDUCATION DEPARTMENT

COURSE: **AgriScience Tech I**

COURSE CODE: 01021

SEMESTERS: 2 (even/odd years)

CREDIT: ½ per semester

GRADE: 9 - 10

PREREQUISITE: None

This course will introduce students to agriculture, its many applications, and leadership development. Topics of this course include basic drafting, mechanical theory and skills, basic woodworking construction techniques and bill of materials, safety in the lab setting, plant sciences and introductory horticulture skills. Leadership skills will be incorporated through instruction using the FFA student handbook. **Emphasis will be placed on shielded metal arc welding, oxy acetylene welding, and animal science for the second semester.** Students are strongly encouraged to participate in the inter-curricular activities that FFA can provide through membership of our local FFA chapter.

COURSE: **AgriScience Tech II**                      COURSE CODE: 01022  
SEMESTER: 2 (odd/even years)                      CREDIT: ½ per semester  
GRADES: 9 - 10  
PREREQUISITE: None

This course will introduce students to agriculture, its many applications, and leadership development. Topics of this course include drafting, mechanical theory and skills through high-tech labs, construction techniques and bill of materials of a more challenging woodworking project, safety in the lab setting, animal sciences, and introductory horticulture, range management, and landscaping skills. Leadership skills will be incorporated through demonstrations, public speaking, and parliamentary procedure. **Emphasis will be placed on plant science and Gas Metal Arc Welding for the spring semester.** Students are strongly encouraged to participate in the inter-curricular activities that FFA can provide through membership of our local FFA chapter.

COURSE: **Agriscience Tech III**                      COURSE CODE: 01023  
SEMESTER: 1-Spring                      CREDIT: ½ credit  
GRADE: 10-11  
PREREQUISITE: AgriScience Tech I or II

This is a bridging course between the sophomore/junior class taking the basic Ag Education courses and the specialized courses offered to the junior and senior classes only. The students will be having mini-units consisting of the Engines class, the carpentry class, the intermediate welding and the ag processing courses. Each of these mimi-units will contain information to prepare the student physically and mentally for the rigors of these specific classes. Students will learn the proper way to clean and sanitize the meats lab, the setup and use of the welders, how to square buildings and basic carpentry terms and uses. Students who are unsure if they want to commit a full semester to a specific course have the opportunity to try them all as a sophomore or returning junior.

**COURSE: Ag Mechanics Tech I**      COURSE CODE: 01043  
SEMESTER: 1-Spring (odd/even years)      CREDIT: ½ per semester  
GRADE: 11-12  
PREREQUISITE: 1 year of Agriscience Tech courses

Students will be exposed to mechanical, fluid, electrical, and thermal power that are associated with the field of agriculture. The focus of this class will be agriculture power, including diesel and gasoline engines, service and preventative maintenance, electric circuits regarding vehicle power, and gears. High-tech labs will be utilized where applicable. Students interested should be very mechanically minded and above average in hands-on activities. Students are strongly encouraged to participate in the interj-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Ag Mechanics Tech II (Woodworking/Carpentry)**  
SEMESTER: 1-Fall (even/odd years)      COURSE CODE: 01044  
GRADE: 11-12      CREDIT: ½ per semester  
PREREQUISITE: 1 year of Agriscience Tech courses

Agricultural Mechanics is designed to reinforce and extend students' understanding of applied mechanical applications by associating scientific principles and concepts with relevant applications in fields associated with mechanics. Students will be exposed to the construction techniques that are applied within our community and abroad, mixing, using and finishing concrete and concrete types, small frame buildings and large frame buildings. In addition, the student will be working with plumbing concepts, connecting plumbing and servicing/designing plumbing applications for residential applications. Students will learn drafting skills, blueprint reading and interpretation, follow a construction plan and build small sheds or models of homes based on drafted plans. The ideal student will be one who has strong hands-on skills with hand tools and power woodworking equipment, strong mathematical skills and can follow explicit instructions when constructing wooden structures. Leadership will be presented to the student through teamwork operations and problem solving while building structures. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Agricultural Mechanics Tech III (Motors/Power Units)**

COURSE CODE: 01045      CREDIT: ½ credit

SEMESTERS: 1-Spring (even/odd years)

GRADES: 11-12

PREREQUISITE: 1 year of Agriscience Tech courses

Agricultural Mechanics is designed to reinforce and extend students' understanding of applied mechanical applications by associating scientific principles and concepts with relevant applications in fields associated with mechanics. Students will be exposed to mechanical, fluid, electrical, and thermal power that are associated with the field of agriculture. The focus of this class will be agriculture power, including diesel and gasoline engines, service and preventative maintenance, electric circuits regarding vehicle power and gears. High-tech labs will be utilized where applicable. Students interested should be very mechanically minded and above average in hands-on activities. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Ag Processing (Meats)**      COURSE CODE: 01068

SEMESTERS: 1 (Fall)      CREDIT: ½ credit

GRADE: 11-12

PREQUISITE: None

This course is designed to introduce students to the processing of agricultural products. This course will include the processing of food, fiber and material products. Students will identify wholesale cuts or carcasses and process various species into retail cuts. Experiential learning will be the focus for this class, with an emphasis on food safety and government regulations. Students will have the ability to further personal communication skills, human relation skills, and leadership skills. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Botany Science/Horticulture I**      **COURSE CODE: 01053**  
**SEMESTERS: 1-Spring**      **CREDIT: ½**  
credit  
**GRADE: 11 – 12**  
**PREREQUISITE: None**

This course prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation. Topics to be covered include: soils, plants, plant identification and plant entomology. Students will examine the importance of plant cell structures, functions of cells, plant processes, types of plants, plant structures and reproduction of plants. This course will reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications to agriculture. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Natural Resource and Wildlife Management**  
**SEMESTER: 1-Fall**  
**GRADE: 11-12**  
**COURSE CODE: 01063**  
**CREDIT: ½ credit**

This introductory course will be focusing on our current environmental practices, the history of farming practices, and uses of our natural resources. This class will also be taking advantage of our ample local wildlife habitat. We will be classifying different types and families of range and local plants. Introduced and native species of wildlife, their habitat protection and the current management plans for these species may also be discussed. The ideal student for this class would be a hunter or outdoors person who is interested in being able to identify if an area is being used to its potential. Soil Science, Meteorology, ecology are also components of the class that may be taught.

**COURSE: Agricultural Welding and Fabrication**

SEMESTERS: 1-Fall

COURSE CODE: 01046

GRADE: 11-12

CREDIT: ½ credit

PREREQUISITE: Agriscience I or II

This course provides students in agriculture an opportunity to reinforce and extend understanding of applied mechanical applications. Students will be exposed to mechanical, electrical and thermal power that are associated with the field of agricultural welding. Applied activities develop an understanding and skill development in metal joining and fabrication processes. Instruction will prepare students to select, operate, repair, fabricate and maintain a variety of agricultural machinery and equipment. Processes covered include: Oxyfuel Heating/Welding, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Safety and Metal Fabrication. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

**COURSE: Advanced Agricultural Welding and Fabrication**

SEMESTER: 1 (Spring)

COURSE CODE: 01047

GRADE: 11-12

CREDIT: ½ credit

PREREQUISITE: Successful completion of Agricultural Welding 01046

This course provides students in agriculture an additional opportunity to reinforce and extend understanding of applied mechanical applications. Advanced applications will further develop knowledge and skill development in metal joining and fabrication processes. Instruction will prepare students to select, operate, repair, fabricate and maintain a variety of agricultural machinery and equipment. Processes covered include: Oxyfuel Cutting/Heating/Welding, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Plasma Arc Cutting, Safety and Metal Fabrication projects. In addition, record keeping, communication skills, employability and human relation skills will be covered. Students are strongly encouraged to participate in the inter-curricular activities that the FFA can provide through membership of our local FFA chapter.

## **MRACTC Classes**

Online or ITV

If enrolling in a MRACTC Class listed as a full year you **MUST** be enrolled the full year in order to receive any credit. Full year classes can't be added or dropped at semester.

Students enrolling in an **online** MRACTC class must have a cumulative GPA of 3.0 or greater.

Students enrolling in an **ITV** MRACTC class must have a cumulative GPA of 2.75 or greater.

COURSE: **American Sign Lang. I**      COURSE CODE: 07021  
SEMESTERS: 1 (M,T,W,TH)      CREDIT: ½ credit  
GRADES: 11 – 12      **ITV Class**  
PREQUISITE: 2.5 GPA

This sequential program begins with the basic knowledge of American Sign Language vocabulary and basic conversational skills. A study of linguistics, grammar, classifiers and non-manual markers, fundamental aspects of the deaf culture and the deaf community are incorporated.



COURSE: **American Sign Lang. II** COURSE CODE: 07022  
SEMESTERS: 1 (M,T,W,TH) CREDIT: ½ credit  
GRADES: 11 – 12 **ITV Class**  
PREREQUISITE: American Sign Language I. 2.5 GPA

Sign Language II will increase understanding of American Sign Language and its cultural features. Sign Language vocabulary is increased. This course is a continuation of Sign Language I with greater emphasis on expressive and signing skills.

**Dual Credit Enrollment through LRSC is required (ASL 101 & 102) – 4 credits each.**

COURSE: **American Sign Lang. III** COURSE CODE: 07023  
SEMESTERS: 1 (T,W,TH) CREDIT: ½ credit  
GRADES: 12 **ITV Class**  
PREREQUISITE: American Sign Language I, II. 2.5 GPA

These courses are continuations of Sign Language I and II with increased understanding and practice of American Sign language vocabulary and skills. Expands the students use of face, eyes, and head to convey grammatical information.

COURSE: **American Sign Lang. IV** COURSE CODE: 07024  
SEMESTERS: 1 (T,W,TH) CREDIT: ½ credit  
GRADES: 12 **ITV Class**  
PREREQUISITE: American Sign Language I, II, III. 2.5 GPA

Students will analyze various parts of ASL such as handshape, movement, location, repetition, Palm orientation and non-manual grammatical signals for the purpose of strengthening and developing their skills.

**Dual Credit Enrollment through LRSC is required (ASL 201 & 202) – 3 credits each.**

COURSE: **Aviation Technology I**      COURSE CODE: 17812  
SEMESTERS: **FULL YEAR**              CREDIT: 1 credit  
GRADES: 11 – 12                      **Online**  
PREREQUISITE: 3.0 GPA

This is the entry level course to prepare students for employment in the aviation industry. The course covers fundamentals of flight, flight operations, aviation weather, performance and navigation. The course also explores careers in air traffic control, flight dispatching and airport management. Units of instruction include; safety of flight, airport layout, aeronautical charts, radar, radio procedures, airplane power plant, aerodynamics, weather patterns and hazards. Emphasis on applied academics in math and science are integrated throughout the curriculum along with decision-making principles as it applies to flight-related factors.

COURSE: **Aviation Technology II**      COURSE CODE: 17813  
SEMESTERS: **FULL YEAR**              CREDIT: 1 credit  
GRADES: 12                              **Online**  
PREREQUISITE: Aviation I. 3.0 GPA

Students will be preparing to pass the Federal Aviation Administration (FAA) private pilot written exam. This course will cover advanced flight topics as well as expanding topics covered in Aviation I to an advanced level.

COURSE: **Electronics Technology I** COURSE CODE: 19922  
(17150)

SEMESTERS: **FULL YEAR** CREDIT: 1 credit

GRADE: 11 – 12 **Online**

PREREQUISITE: Algebra I. 3.0 GPA

The course provides an “online” learning experience for the student interested in electronics technology. The program utilizes a computer based textbook connected to a high tech training console, and along with a variety of test equipment. Electronics is the study, design, and use of electrical circuits to manipulate electrical signals. So whether it’s cell phones, MP3 players, or power plant instrumentation, this course prepares the student for career paths such as telecommunications, biomedical, computer networking, automotive technology, and engineering, just to name a few. Nida trainers and equipment are provided. Successful completion of Algebra I is highly recommended.

COURSE: **Electronics Technology II** COURSE CODE: 17151

SEMESTERS: **FULL YEAR** CREDIT: 1 credit

GRADE: 11 - 12 **Online**

PREREQUISITE: Electronics Technology I. 3.0 GPA

Continues skill development of Electronics Technology I. Includes study of Transistor Circuits, Power Supplies, Transistor Amplifiers, Transistor Oscillators, Transistor Pulse Circuits, Trigger Device Circuits, Operational Amplifiers, Digital Circuits, Latches and Flip flops.

COURSE: **Intro to Information Technology**

COURSE CODE: 27101

SEMESTER: 1 (Fall) CREDIT: ½ credit

GRADE: 11 – 12 **Online**

PREREQUISITE: 3.0 GPA

This exploratory level course provides an exposure to careers and issues in Information Technology. Units prepare students for the industry recognized “Internet and Computing Core Certification” (IC3). This globally recognized certification provides students with the foundation of knowledge needed to excel in fields that involve computers and the

Internet. The IC3 Global Standard 3 reflects the most relevant skills for school and business today including: Computing Fundamentals, Key Applications, and Living Online.

**COURSE: IT Essentials**                      **COURSE CODE: 27219**  
**SEMESTER: 1 (Spring)**                      **CREDIT: ½ credit**  
**GRADE: 9 – 12**                                      **Online**  
**PREREQUISITE: Introduction to Information Technology. 3.0 GPA**

This course presents an in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, an introduction to networking is included. This course helps the students prepare for CompTIA's A+ certification. Dual Credit available is available.

**COURSE: GIS – Geographic Info. Systems**  
**SEMESTER: 1**                                      **COURSE CODE: 27400**  
**GRADE: 11 – 12**                                      **CREDIT: ½ credit**  
**PREREQUISITE: 3.0 GPA**                                      **Online**

Students will have the opportunity to gather technical skills in the areas of geographic information systems, remote sensing, and global positioning systems. Students will learn the basic ESRI Arc View interface in the context of local and global problems. They will gain experience in the use of global positional system (GPS) units to gather authentic data and will be able to overlay their collected data on aerial photographs and satellite images.

**COURSE: Intro to Programming Languages**

SEMESTER: 1 (Fall) COURSE CODE: 27120  
GRADE: 11 – 12 CREDIT: ½ credit  
PREREQUISITE: 3.0 GPA **Online**

This course will provide students with a solid foundation for understanding the fundamental concepts of programming languages. Students will be introduced to the Visual Basic Programming language and complete projects utilizing programming concepts, variables, constants, decision structures and looping structures.

**COURSE: Visual Basic – Programming Essentials (Net/Prog)**

SEMESTERS: 1 (Spring) COURSE CODE: 27122  
GRADE: 11 - 12 CREDIT: ½ credit  
PREREQUISITE: Introduction to Programming Languages. 3.0 GPA  
**Online**

This course is an online hands-on course in computer programming using visual basic. The students will develop good problem solving and programming skills while performing several hands-on labs and assignments. Topics covered include: procedures, mathematical and business functions, arrays and structures, color, sound, and graphics, creating classes, using files, sorting and searching. Dual Credit is available.

**COURSE: Intro. To Networks** COURSE CODE: 27266  
SEMESTERS: 1 (Fall) CREDIT: ½ credit  
GRADE: 11 - 12 **Online**  
PREREQUISITE: 3.0 GPA

The Cisco Networking Academy CCNA Routing and Switching curriculum (Cisco Discovery I) is designed for students who are seeking entry-level Information and Communication Technology (ICT) jobs or plan to pursue more specialized ICT skills. CCNA Routing and Switching provides comprehensive coverage of networking topics, from fundamentals to advanced applications and services, with opportunities for hands-on practical experience and career skills development. The course emphasizes critical thinking, problem solving, collaboration, and the practical application of skills.

**COURSE: Routing & Switching Essentials**    **COURSE CODE: 27267**  
**SEMESTERS: 1 (Spring)**    **CREDIT: ½ credit**  
**GRADES: 11 - 12**    **Online**  
**PREREQUISITE: Intro. To Networks. 3.0 GPA**

Describes the architecture, components and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of the course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single area and multi area OSPF, virtual LANs and inter-VLAN routing in both IPv4 and IPv6 networks.

**COURSE: Marketing**    **COURSE CODE: 04210**  
**SEMESTER: FULL YEAR**    **CREDIT: 1**  
**GRADE: 11 – 12**    **Online**  
**PREREQUISITE: 3.0 GPA**

Marketing develops student understanding and skills in business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resource management, information management, marketing, operations, professional development, and strategic management. Focus will be on the marketing mix, including products, promotion, pricing, and distribution. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning. Students also have the opportunity to participate in DECA through Bismarck Public Schools.

**COURSE: Management**  
**SEMESTER: FULL YEAR**  
GRADE: 12  
PREQUISITE: Marketing. 3.0 GPA

COURSE CODE: 04223  
CREDIT: 1  
**Online**

This course furthers student understanding and skills in the various marketing functions leading to decisions in business management. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. The importance of human resource management, personnel and policies in business are discussed. Students are presented problem solving situations for which they apply academic and critical-thinking skills. Students also have the opportunity to participation in DECA through Bismarck Public Schools.

**COURSE: Sports & Entertainment Marketing**  
COURSE CODE: 04240  
SEMESTER: 1  
GRADE: 11 – 12  
PREREQUISITE: 3.0 GPA.

CREDIT: ½ credit  
**Online**

To prepare students for marketing occupations in the area of sports and entertainment. Take a look at the exciting and dynamic field of sports and entertainment marketing. One of the largest industries in the world, sport marketing provides a unique way of looking at the business world. This course will focus on the two main aspects of sports and entertainment marketing: 1. The marketing of sports and entertainment, and 2. The marketing of non-sports products and services through sports. You will discover why companies pay to be associated with a team or entertainer; how to develop ticket plans to fill the seats in the arena; why targeting your marketing efforts is so important; and more. Students also have the opportunity to participation in DECA through Bismarck Public Schools.

COURSE: **Medical Related Careers I** COURSE CODE: 2345; 23455  
(07033)

SEMESTERS: **FULL YEAR** CREDIT: 1 credit

GRADE: 11 – 12 **Online or ITV**

PREREQUISITE: Biology grade of “B” or better. 3.0 GPA

This year-long course provides students instruction relating to the educational and professional requirements for the various medical related careers. Students will also study medical terminology, fundamentals of disease transmission and prevention, diagnostics, basic anatomy and physiology, and discuss a variety of health careers. Students will complete American Heart Association First Aid and Healthcare Provider CPR/AED. Three hands on training days at selected sites are required and career exploration field trip opportunities are included to enhance instruction. This course is prerequisite to all other Medical Careers courses and is offered either on-line or via Interactive television.

COURSE: **Medical Related Careers II** COURSE CODE: 07035  
CREDIT: 1 credit

SEMESTERS: **FULL YEAR**

GRADE: 12 **Online**

PREREQUISITE: Medical Related Careers I. CPR/AED Certification. Immunizations up-to-date. TB testing required to job shadow. 3.0 GPA

Using community-based instruction, the student will experience medical related careers by job shadowing professionals in selected fields of preference. Prior to job shadowing, students will review principles of leadership, infection control, safety and long term care. Students 18 years or older may be required to have a background check per facility policy. With prior parental approval, transportation to training sites is the responsibility of the student.



**COURSE: Medical Terminology**      **COURSE CODE: 07036**  
**SEMESTERS: 1**      **CREDIT: ½ credit**  
**GRADE: 11 - 12**      **Online**  
**PREREQUISITE: Biology grade of "B" or better. 3.0 GPA**

In this course, students will develop skills necessary for decoding of commonly used medical terms. Students will learn the meaning of medical suffixes, prefixes and word roots. Students will learn terminology associated with the body systems, diseases and disorders of those systems. Students will be expected to use correct spelling and pronunciation of medical terms they have learned. Students will also learn common medical abbreviations. Dual Credit for all students through Rasmussen College is provided.

**COURSE: Certified Nursing Assistant**  
**SEMESTERS: FULL YEAR**      **COURSE CODE: 07032**  
**GRADE: 12**      **CREDIT: 1 credit**  
ITV  
**PREREQUISITE: Medical Related Careers I. CPR/AED Certification.**  
**Immunizations up-to-date. TB testing required prior to clinicals. 2.5 GPA**

The Nursing Assistant Program provides classroom instruction and clinical practice for those preparing for employment as a certified nursing assistant (CNA) in a skilled nursing facility, acute care or home health care. Upon completion, students are eligible to take the national exam to become certified as a nurse assistant. Three hands-on training days at selected sites are required. With prior parental approval, transportation to training sites is the responsibility of the student.

**COURSE: Emergency Medical Technician**

**SEMESTERS: FULL YEAR** COURSE CODE: 07045

GRADE: 12 CREDIT: 1 credit

ITV

PREREQUISITE: Medical Related Careers I. 2.5 GPA

Students enrolling in this course will complete training in CPR for Health Care Providers and the national curriculum for Emergency Medical Technician – Basic Course. The course prepares the student to respond to a wide range of emergencies such as heart attacks, auto accidents, and diabetic problems. Students will participate in extensive “hands-on” practical sessions using modern pre-hospital care equipment under the instruction of paramedics from a local paramedic service. Upon completion of the course students will be eligible for ND state licensure testing. Partnership and cooperation with a local ambulance service is required to enroll in this class.

**COURSE: Sports Medicine - Prevention and Care of Athletic Injuries**

**SEMESTERS: FULL YEAR** COURSE CODE: 07034

GRADE: 12 CREDIT: 1 credit

ITV

PREREQUISITE: Medical Related Careers I. 2.5 GPA

An introductory course for students interested in the field of Sports Medicine. Topics covered include: prevention, recognition and immediate care of athletic injuries; physical conditioning; equipment fitting; rehabilitation of athletic injuries; basic nutrition; blood borne pathogens; taping and wrapping techniques and other related medical conditions. Classroom learning is enhanced through clinical education experiences/field work. Three hands-on training days at selected sites are included.

**COURSE: STEM – Stem Seminar**

SEMESTERS: 1

GRADE: 11 - 12

COURSE CODE: 10610

CREDIT: ½ credit

Online

STEM Seminar provides students with a project based, integrated, and holistic experience with Science Technology Engineering and Math. This course is taught by an interdisciplinary team of teachers. STEM Seminar demonstrates the blurring of content areas when solving an authentic problem. We will focus on engaging students in hands on, interdisciplinary application of the Engineering Design Process. Students engage in authentic projects and create products, presentations, and network with local STEM industry experts. In this course students uncover and acquire a cohesive set of concepts, competencies, and dispositions of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts in order to be globally competitive in the 21<sup>st</sup> Century. This course curriculum infuses academic content from Math, Science, Language Arts, and Social Studies. It utilizes state standards, technical skills and develops 21<sup>st</sup> Century Skills such as communication, networking, collaboration, decision making, creativity and critical thinking.

**COURSE: Exploration of Oil Industry Careers**

SEMESTERS: 1

GRADE: 11 - 12

COURSE CODE: 17410

CREDIT: ½ credit

ITV

This is a beginning course for students interested in exploring petroleum industry careers. Students will be introduced to oil industry occupations, and occupations concerned with oil production, from exploration to refining. Activities including a study of processes for exploration for oil and gas, obtaining mineral rights, and moving oil from the ground to the pipeline to the refinery, will be explored.

**COURSE: Petroleum Industry Skills**

Semesters: 1

Grade: 11 – 12

COURSE CODE: 17413

CREDIT: ½ credit

ITV

This course will cover basic workplace safety and emphasize safety protocol required in the Petroleum Industry. The course includes oil field safety practices and the use of a safety officer. Students who successfully complete course modules and meet all safety standards will be NCCER and OSHA 10 Certified. Basic mechanical components and production processes and their application in the oil field will also be covered.

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