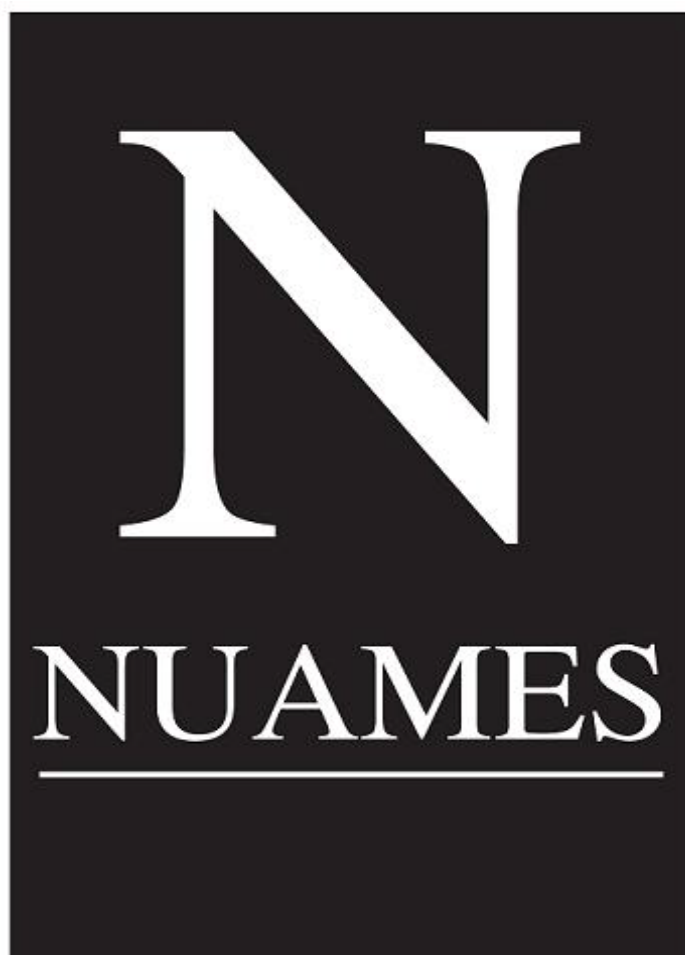


*NORTHERN UTAH ACADEMY FOR MATH,
ENGINEERING AND SCIENCE*

COURSE GUIDE AND CLASS DESCRIPTION
2009-2010



NUAMES Policy Descriptions

Fee Schedule

In accordance with Utah State Law, the Northern Utah Academy for Math, Engineering, and Science Board of Directors annually reviews all fees charged students for various activities, classes, mailings, yearbooks, etc. This information will be published and made available to parents prior to the time of registration this spring.

Fee Waivers

No student will be denied the opportunity to participate in school activities and educational programs because of the inability to pay fees, deposits, or other charges. Students and/or parent(s) who need assistance should contact the administration for assistance on fee waivers.

Civil Rights Certificate

The school assures that it will comply with:

Title IV of the Civil Rights Act of 1964, as amended, which prohibits discrimination on the basis of race, color, or national origin.

Section 504 of the Rehabilitation Act of 1973 as amended, which prohibits discrimination on the basis of handicap.

Title IX of the Education Amendments of 1972, as amended, which prohibits discrimination on the basis of sex in educational programs.

The Age Discrimination Act of 1975, as amended, which prohibits discrimination on the basis of age. All regulations, guidelines, and standards lawfully adopted under the above status by the United States Department of Education.

Any grievance regarding the above statements should be directed to:

Mr. Alan Stokes
Northern Utah Academy for Math, Engineering, and Science
2750 N. University Park Blvd.
Layton, UT 84041

Asbestos Policy

Federal regulations require that schools be inspected for the presence of asbestos, a toxic material that has been used in the construction industry for many years. This school has been inspected for asbestos-containing material. Results of the inspection are contained in the Asbestos Management Plan available for your review at this school, the District Office, or a copy can be provided to you for the cost of reproduction.

2009 – 2010 Registration Information

Graduation Requirements

All students graduating from the Northern Utah Academy for Math, Engineering and Science must:

- Earn 27 total credits to graduate from NUAMES. Career assessment and guidance is offered to students to assist them in designing a course of study that will meet their needs, particularly during their SEOP. All students are encouraged to enroll in courses which provide development of job skills, prepare them for post high school education, and provide enrichment to life. Requirements are outlined below.
- Students involved in release time activities do not earn credit for release time classes. It is essential that these students pass every quarter of each class to reach the graduation requirement of 27 credits.

TOTALS Core	NUAMES
Electives	Graduation
Course	
Engineering	2 Credits
Computer Technology	.50 Credit
English	4 Credits
Fine Arts	1.50Credits
Health	.50 Credit
Healthy Lifestyles (PE) (.5 credit must be Fit for Life)	1.50 Credits
Math	4 Credits
Science	4 Credits
Social Studies	3 Credits
Geography	.50 Credit
World Civ.	1 Credit
US History	1 Credit
Gov & Citizenship	.50 Credit
Financial Literacy	.50 Credit
*Electives	5.50 Credits

Total - 27 Credits

*Students who would like to be recognized as a Utah Scholar should plan to take 2 years of the same foreign language.

General Information

1. Proper registration is important. It is the responsibility of the student and parent(s)/guardian to check graduation requirements and course descriptions carefully. A counselor will be available for consultation.
2. Each student should have three goals in mind when registering for classes: filling core requirements, developing life skills, and preparing for post high school.
3. A counselor will work with students and parents to develop a Student Educational Occupational Plan (SEOP) to assist students in meeting individual needs for graduation, career goals, and post high school education.
4. Each student must register for a full eight period schedule for both semesters. Select courses carefully. After registration, changes must be approved by parents and counselor unless a scheduling error has been made.
5. Some classes listed in this course guide may not be offered if minimum enrollment requirements are not met.
6. Students who desire to take religious instruction (release time/Bible study) may do so on a non-credit basis.
7. Students are required to select either one full year or two half year alternate classes.
- 8.. Early College enrollments allow students the opportunity to take college level courses from Weber State University and receive credit which applies to both high school and college. Students must take the ACT and have the following scores to be eligible for college courses. Students must also meet the one year enrolled at NUAMES and university index requirements. (Index of 100-105 for admission and 106 or above to qualify for scholarship). Students must also maintain a 3.0 GPA at both WSU and NUAMES. Parents and students are required to attend a Weber State University Parent/Student Information meeting prior to enrollment in Early College courses. Students must have approval by counselor to enroll in Weber State University courses:

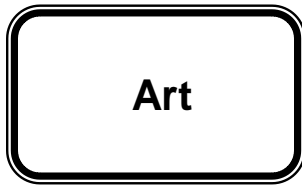
ACT

Minimum 17 in English
Minimum 23 in Math

Independent study online courses are available through the USOE Electronic High School

9. Foreign language through level 2 is strongly recommended by the four-year universities. Some require it. Students should check with the college of their choice to determine foreign language requirements. NUAMES offers a full Spanish program as the language of choice in our area. Students are required to have 2 years of foreign language for the Utah Scholars Program.
10. Students desiring early graduation should declare their intent in writing with a proposed plan to the counselor by October 1 of the sophomore year. A specific graduation plan will be developed through the SEOP process.

NUAMES will **NOT** be responsible for transporting or arranging for the transport of students who elect to take classes at schools other than NUAMES. The parent/guardian of such students will be solely responsible for the transport of their students to and from each school.



Foundations Art 2/Fine Arts Credit (10, 11, 12)
Course Number 1190/Semester

This course is recommended as a prerequisite for Commercial Art. This course reviews basic compositional principles, unity, balance, contrast, emphasis, variety and the principle of movement. This course increases student awareness of the ways line, shape, form, space, texture, value, and color apply to these principles. Representative and interpretive drawing using such media as pencil, ink, and oil pastel are emphasized. Students will study the principles of proportion, light and shadow, depth, color, and creative expression as they apply to landscapes, portraits, animals, and man-made structures.
Lab and Materials Fee: \$10.00

Commercial Art 1/Fine Arts Credit (10, 11, 12)
Course Number 8827/Semester

Prerequisite: Foundations Art 2

Includes instruction in the preparation of copy: logos, poster, package, and product design: computer graphics; and inks and color dynamics. Students will learn basic skills and techniques of good design, advertising, pencil and ink drawing, color theory and design, and the use of varied of equipment and materials. *Lab and Materials Fee: \$10.00*

Drawing/Fine Arts Credit (10, 11, 12)
Course Number 1230/Semester

Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. With an emphasis on studio production, this course is designed to develop higher level thinking and art related technology skills. Some experience in art criticism, art history, and aesthetics may be included. *Lab and Materials Fee: \$10.00*

Painting I/Fine Arts Credit (10, 11, 12)
Course Number 1200/Semester

Painting 1 includes wet and dry color media with processes such as transparent and opaque painting focuses on the operations of color. Techniques with color media and preparation of ground and supports will be covered. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art related technology skills. Some art criticism, art history, and aesthetics may be included. *Lab and Materials Fee: \$10.00*

Digital Photography I/Fine Arts Credit (10, 11, 12)
Course Number 1160/Semester

The class will explore the world of digital photography and video production, beginning with artistic expression. The class will work with composition, rule of thirds, emphasis, message conveyance, delivery and professionalism. Connecting to the computer, the student will download both still shots and video onto Adobe Photoshop, Adobe Illustrator, and Adobe Premiere to manipulate, print, and edit their final images. Assignments will include (1st term using a still camera) landscapes, people, animals, buildings, fast action and advertising using photography, and (2nd term using a video camera) video about you, newscasts, sitcoms, and advertisements. Pre-edit, shooting, and post editing will be the focus of the second term.
Lab and Materials Fee: \$15.00 **Digital camera will be required.**

Digital Photography II/Fine Arts Credit (10, 11, 12)
Course Number 1165/Semester

Pre-requisite: Digital Photography I

An advanced continuation of Digital Photography 1 with an emphasis on esthetics and artistic presentation. Photojournalism and current trends will be explored by speakers and field trips. Adobe Photoshop and Illustrator will be used to increase artistic and aesthetic processes. Final project will be a professional portfolio of photograph prints. *Lab and Materials Fee: \$15.00* **Digital camera will be required.**

Multimedia 1 – Design and Development/Fine Arts Credit (Grades 10, 11, 12)
Course Number 8650/Semester

Design and Development is the first-year multimedia course where students will create interactive computer applications to be delivered on CD-ROM, Internet or other delivery media using the elements of text, graphics, animation, sound, video, and digital imaging. These skills can prepare students for entry-level positions and other occupational/educational goals. *Lab and Materials Fee: \$10.00*



Computer Technology/Computer Tech Credit (10, 11, 12)
(Required on State Core)
Course Number 8518/Semester

Students will learn about computer application software, i.e., word processing, spreadsheets, and electronic presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included.

Advanced Computer Technology/Technology (11, 12)
Course Number 8523/Semester

Prerequisite: Computer Technology

A more thorough exploration and understanding of electronic spreadsheets, electronic presentations, and electronic databases will be learned. Students will be able to create complex spreadsheets, powerful electronic presentations, and be able to create reports and searches with electronic databases.

Financial Literacy/Financial Literacy Credit (Grades 11, 12)
(Required on State Core)
Course Number 2900/Semester

This course is designed to teach students to skillfully manage personal financial decisions and transactions. Students will receive a knowledge base as well as opportunities for application through simulated activities. The basics of checking, credit, savings, investing, consumer loans, and insurance will be discussed. Students will use this knowledge and related skills to take individual responsibility for personal economic well-being. *Lab and Material Fee: \$5.00*

Business Web Page Design/Technology (Grades 10, 11, 12)
Course Number 8536/Semester

This semester course provides students with advanced internet skills and techniques as well as a major emphasis on beginning Web page design. Students will explore resources of the Internet and its tools through the use of e-mail, search engines and browsers. HTML and Web publishing software will be used to design, create, format, and edit Web pages. *Lab and Material Fee: \$10.00*

Yearbook/Elective Credit (By Application Only)
Course Number 4190/Year

This class will focus on creating a book of memories for the school. Layout, design, copy writing, and photo editing will be taught. Students will learn desktop publishing skills. Class is limited to 15 students. Teacher will select candidates.
Lab and Materials Fee: \$10.00

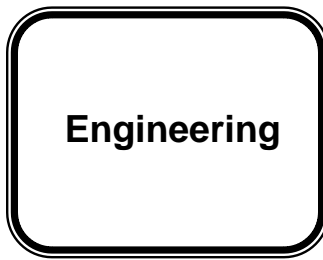


Drivers Education/Elective Credit
Course Number 7880/Semester

The Drivers Education and Drug and Alcohol class is taught as an elective, semester course during the regular school day. These students will take simulator, range and road driving at their neighborhood high schools. *Class fee: \$140.00*

Drivers Education is offered both semesters and is open to students by birth date. There will be no exceptions to this policy: **1st Semester – students who turn 16 between September 1 and February 29 and 2nd Semester – students who turn 16 between March 1 and August 31.** All driving (simulator, range, and road) will be done before school, after school, and on Saturdays. Teachers will schedule student driving times based on the availability of facilities and cars. Older students will be scheduled first. Students who turn 16 during the summer may be scheduled to drive during the summer. Students should get their permit prior to starting the Drivers Education class.

It will be the student's responsibility to arrange for transportation to and from the school for these driving sessions. Because the law requires a specific number of the classroom and behind-the-wheel hours, students must maintain good attendance. Students who miss any of the driving time will not receive a completion certificate.



PLTW Introduction to Engineering Design (IED)/Technology Credit (Grade 10, 11, 12)
Course Number 8609/Year

IED is an introductory course which develops student problem solving skills, with emphasis placed on the development of 3-D solid models. Students will work from sketching simple geometric shapes to applying a solid-modeling computer software package. They will learn a problem-solving design process and how it is used in industry to manufacture a product. Students will be exposed to the techniques learned and equipment used by engineers throughout the United States. ***WSU Concurrent Enrollment DGET1260 – WSU 3 credits.**

Lab and Material Fee: \$10.00.

PLTW Principles of Engineering (POE)/Technology Credit (Grade 10, 11, 12)
Course Number 8616/Year

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. ***WSU Concurrent Enrollment MET 1000/MFET 1150 – WSU 4 credits.**

Lab and Material Fee: \$10.00.

PLTW Digital Electronics Technology (DE)/Technology Credit (Grade 10, 11, 12)
Course Number 8610/Year

Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to and test digital circuitry prior to the actual construction of circuits and devices. Course includes sections on circuit design, microprocessor controls and design, and sequential logic programming. ***WSU Concurrent Enrollment CEET 1130 – WSU 4 credits.**

Lab and Material Fee: \$10.00.

****WSU Concurrent enrollment requires an “A” or “B” letter grade and 90% attendance to receive the college credit.***

PLTW Engineering Design and Development (EDD)/Technology Credit (Grade 12)
Course Number 8615/Year

EDD is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must represent progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. Lab and Material Fee: \$10.00.

English

English 10/English Credit Course Number 4100/Year

English 10 is an accelerated course for students capable of handling difficult literature and writing. Emphasis will be on literary analysis and expository essays exploring world and classical literature and history. An emphasis will also be focused on the literature read in class and the world around the student. Students will discuss themes of racism, prejudice, power, politics, and how each of these themes carries over into everyday life. A major part of the course will be focused on proofreading, grammar, usage, test-taking strategies, and reading comprehension to prepare for major standardized tests taken in October of the junior year. Honors credit available on an individual basis. Students contact instructor for requirements.

English 11/English Credit Course Number 4110/Year

This course is for junior students who are following the Advanced Placement program. It is an accelerated course for students capable of handling more difficult literature and writing. Emphasis will be placed on expository and analytical writings that explore American Literature. An emphasis will also be focused on the literature read in class and the world around the student. Students will discuss the invention and obsession with attaining "The American Dream". They will be studying college material by learning Literary Theory and applying it to the required literature. An in depth knowledge of irony, elements of plot, foreshadowing, and figurative language will also be emphasized. A major part of the course will be focused on proofreading, grammar, usage, test-taking strategies, and reading comprehension to prepare for major standardized tests taken during their junior year. Honors credit available on an individual basis. Students contact instructor for requirements.

English 12/English Credit Course Number 4120/Year

This course will help students develop reading, writing, and critical thinking skills which is a prerequisite for entry-level college courses. Course will also focus on reading of functional, literary, and narrative texts; speaking/listening; vocabulary; grammar usage and mechanics; research skills; presentation skills; workplace writing; and study skills. Honors credit available on an individual basis. Students contact instructor for requirements.

Creative Writing/Elective Credit (Grades 10, 11, 12) Course Number 4146/Semester

This is a writing intensive course that explores different genres of writing through example and experimentation. Genres such as poetry, short stories, memoirs, books, and other types of writing may be addressed. This course is for those who have a serious interest in improving their writing.

FOREIGN LANGUAGE

Spanish I/Elective Credit (Grade 10, 11, 12) Course Number 4260/Year

First year Spanish is an exciting and challenging introduction to one of the greatest languages in the world. Communicative skills will be acquired primarily through interactive stories that require students to participate in various ways. These activities will benefit all students because the approach works for visual, auditory and hands-on learners. Students will also learn about cultures and countries of the very diverse populations that make up the Spanish speaking world. Students will have a daily opportunity to use the language, and as they work, they will gain confidence and competence. A positive class atmosphere will provide students a comfortable and safe learning experience.

Spanish II/Elective Credit (Grade 10, 11, 12) Course Number 4630/Year

Second year Spanish is an exciting and challenging continuation of Spanish I. Communicative skills will be enhanced through interactive stories that require students to participate in various ways. Class activities will be fun and relevant. Students will have daily opportunity to use the language, and as they work, they will gain confidence and competence.

Spanish III/Elective Credit (Grade 10, 11, 12) Course Number 4640/Year

Third year Spanish is a class in which the goal of achieving communicative proficiency will continue at an advanced level. We will work hard on reading, writing, speaking and understanding skills. Students will have a daily opportunity to use the language, and as they work, they will gain confidence and competence. Much of each class period will be held in the target language. This is a challenging class and is intended for students that have done well in Spanish II at NUAMES and not for students with only a basic junior high school background.

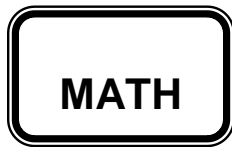
Spanish IV/Elective Credit (Grade 11, 12) Course Number 4650/Year

Spanish IV is a considerable step up from Spanish III. Class will be held almost entirely in Spanish and will focus on achieving advanced speaking, understanding, reading and writing ability. There will be class discussions and technology driven activities that will expand vocabulary, grammar, and research skills.

This class is only for juniors and seniors that have taken Spanish III at NUAMES or for native speakers.

Spanish V/Elective Credit (Grade 11, 12) Course Number 4660/Year

Spanish 5 is the culminating level of the high school Spanish experience. Class will be held completely in Spanish and will focus on achieving advanced speaking, understanding, reading and writing ability. Class discussions and technology driven activities will expand vocabulary and research skills, and will expose students to media intended for native speakers. **This class is only for juniors and seniors that have taken Spanish IV at NUAMES or for native speakers.**



Geometry/Math Credit
Course Number 5300/Year

Prerequisite: Algebra I

Geometry further strengthens a student's algebraic skills. The contents include studies of plane and space geometry, observing data and making conclusions, learning how assumptions, definitions and theorems are used in a deductive system, finding congruencies and similarities of polygons, how to do constructions with straightedge and compass, and as introduction to coordinate geometry on the coordinate plane. Students are encouraged to use inductive reasoning to reach conclusions and then to think in a logical deductive manner to write arguments which they support with reasons. Students learn one, two and three dimensional shapes and their manipulation. They discover Geometry through calculations, writing, and projects. Students can expect to spend a minimum of at least one-half hour per day outside of class in preparation.

Algebra 2/Math Credit
Course Number 5350/Year

Prerequisite: Geometry

This course begins a demonstration and examination of various concepts of basic algebra. It assists in building skills for performing specific mathematical operations and problem solving. These concepts and skills serve as a foundation for subsequent quantitative coursework. Applications to real-world problems are emphasized throughout the course. Specific applications to disciplines such as analytical geometry, trigonometry, logarithms, and matrices are reviewed. This course may be preparatory to the college offering of Math 1050-1060 sequence, or the NUAMES Pre-Calculus course. Math is a language of logical thinking using symbols and numbers to quantify.

Pre-Calculus/Math Credit
Course Number 5410/Year

Prerequisite: Algebra 2

This is an accelerated and enriched course which includes all the content of Algebra 2 as well as a study of Trigonometry. The class will spend 3 to 4 weeks reviewing Algebra 2 and then continue the study of the structure of the real and complex numbers. Trigonometry is studied both from the ratio of coordinates of real numbers approach and the circular function approach. Each section is accompanied by calculators and writing. We cover the nuances of Algebra that will make learning calculus so much easier. Students should plan to spend a minimum of one hour per day in out-of-class preparation.

Math 1050 College Algebra/Math Credit
Course Number 5420/Semester (3 credits-USU)

Solving equations and inequalities; complex number; functions and their graphs; transformations of functions; inverse functions; polynomial functions; rational functions and asymptotes; exponential and logarithmic functions; exponential and logarithmic equations; exponential growth and decay models; systems of linear and nonlinear equations; systems of inequalities; mathematical models and applications; counting techniques.

For concurrent enrollment credit, students must meet 2 of the 3 following conditions:

- 1. Have a cumulative GPA of 3.0 or higher**
- 2. ACT Math score of 23 or higher**
- 3. Taken Accuplacer Test with placement of 1050 math or higher within 1 year**
- 4. Have successfully completed Math 1010 with a “C” or better.**

Math 1060 Trigonometry/Math Credit
Course Number 5430/Semester (3 credits-USU)

MATH 1060 is intended to prepare students for entry into the Calculus sequence by providing rigorous coverage of trigonometric functions, trigonometric identities, and vector analysis.

For concurrent enrollment credit, students must meet 2 of the 3 following conditions:

- 1. Have a cumulative GPA of 3.0 or higher**
- 2. ACT Math score of 23 or higher**
- 3. Taken Accuplacer Test with placement of 1060 math or higher within 1 year**
- 4. Have successfully completed Math 1050**

Business Math/Math Credit (12)
Course Number 8575/Full Year

This full-year course is designed to provide the business student with a basic understanding of essential mathematical concepts, as well as the background of business information that will relate directly to jobs in the business world. Computer, ten-key computations skills, and spreadsheet applications with formulas will be stressed. *Lab and Materials Fee: \$10.00.*



Fitness for Life/PE Credit (Grade 10, 11, 12)
Course Number 7710/Semester

This course helps each student adopt a personal life-style that will help them achieve physical fitness through correct concepts of flexibility, cardiovascular endurance, strength, weight control, and nutrition and stress management. This class is required once for every student. *Class Fee: \$15.00*

Lifetime Activities/PE Credit (Grade 10, 11, 12)
Course Number 7720/Semester

Student will acquire skills in variety of lifetime activities that contribute to sustain fitness and well being. Skills and activities offer position ways to cope with stress and contribute to the quality of life. Individual, dual, and team sports activities are included, with the emphasis on activities offering lifelong participation opportunities. *Class Fee: \$15.00*

Health

Health Education II Credit (Grade 10, 11, 12)
Course Number 7150/Semester

This health course emphasizes the physical, mental, social, emotional, and spiritual development of young people. The class is a comprehensive program of interrelated components designed to assist students in the lifelong process of choosing and enjoying a HEALTHY LIFE–STYLE. It is required for graduation. Due to limited space, students will only be allowed one opportunity to take this course.

RELEASED TIME

Released Time / No Credit (10, 11, 12)
Course Number 850/Year

Parents may release students for religious instruction or other school-approved activities any of the 8 class periods on either Block A or Block B throughout the regular school day.

SCIENCE

Biology/Biological Science Credit (Grade 10, 11, 12)
Course Number 3520/Year

This course is intended to give students a solid background in fundamental and current topics in biology. Units studied will focus on organization of life at the chemical and cellular levels, chemistry, genetics, evolution, plants and animals, the relationships of living things and their environment. The basic concepts of ecology, including the impact of human society on nature will also be studied.

Chemistry /Physical Science Credit (Grade 10, 11, 12)
Course Number 3620/Year

An introductory course for students with no previous chemistry background. This is a lab oriented course which provides a background in chemistry for students interested in a career in science, engineering, medicine, nursing as well as those who would like to improve their basic scientific knowledge. Students will learn about atomic structure and forces, chemical formulas and equations, acid, bases, salts and an introduction to organic chemistry. Student needs to have finished Geometry to be successful.

Physics/Physical Science Credit (Grade 11, 12)
Course Number 3640/Year

Pre-requisite: Completion of Algebra 2

Designed for students planning college majors in non-technical fields, (e.g. the arts, social sciences, education, or business). The mathematical techniques used in this class include Algebra and some Trigonometry. The course is designed to encourage students to integrate physical-related ideas into their ways of thinking about the world and provide some of the tools needed to make intelligent decisions in a science-based culture. Emphasis is a problem-solving approach to motion, heat, matter, sound, light, electricity, and astrophysics.

Botany/Plant Physiology/Life Science Credit or Elective Credit (Grade 10, 11, 12)
Course Number 3875/Semester

Botany is a semester long course exploring some aspects of plant growth, development, function, reproduction and classification. The course will involve considerable amounts of self-designed labs, and may require time outside of class for checking on and taking care of projects. Students are strongly recommended to have taken Biology.

Environmental Science/Life Science Credit or Elective Credit (Grade 10,11,12)
Course Number 3810/Semester

Environmental science is the study of the global ecosystems and the interaction of its inhabitants. This course will discuss how ecosystems are formed, major biomes, the cycles involved in each ecosystem, ecosystem communities, changes to ecosystems (climate, flora, fauna & water quality), man's role and responsibility. There will be a lab component, quarterly projects and field research.



Law Enforcement/Elective Credit (Grade 10, 11, 12)
Course Number 8733

Law Enforcement is taught by a state certified police officer. This class gives students a better understanding of what a police officer does, how laws affect them and what is expected of them as citizens. Most lessons are taught in the classroom. Some lessons will have actual police situations explained or presented to them. Some of the major points covered in this class include juvenile law and school rules, civil law vs criminal law, reasonable suspicion/probably cause, arrest & court procedures, dating violence, K-9 demo, identity theft, internet safety, investigations, alcohol & drug awareness, sexual assault awareness, crimes against property & persons, escalation of force and traffic stops & DUI.

World Civilizations / Social Studies Credit (Grade 10)
Course Number 6240/Year

This full-year course is required of all sophomores. Students will learn about the contributions of major cultures and societies over time in the five major regions of the world: Middle East/north Africa, Asia, Africa, Europe, and the Americas. The course stresses the diverse economic, political, religious, and social systems that have shaped major world events and movements within these regions both past and present.

U.S. Studies/Social Studies Credit (Grade 11)
Course Number 6250/Year

This course devotes attention to the basic geographic, economic, social, and historic developments in the United States, with particular emphasis on the events of the 20th Century. It also helps students develop an understanding of the Constitution, the American system of government, and the legal system as well as an appreciation of the major ethical considerations supported by American society over time.

U.S. Government and Citizenship/Social Studies Credit (Grade 11, 12)
Course Number 6275/Semester

The goal of this course is to foster informed, responsible participation in life. Knowing how to be a good citizen is essential to the preservation and improvement of democracy in the United States. Upon completion of this course, students will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the US political system. This course is for seniors, because of the proximity to voting and draft age. This class is required for graduation.

Psychology/Social Studies Elective Credit (Grades 10, 11, 12)
Course Number 6320/Semester

This semester course offers students insight into the complexities of human behavior and the processes of the mind. Topics include theories of personality, motivation, interpersonal relationships, behavior disorders, and intelligence and aptitudes. Emphasis is placed upon improvement of communication skills through an understanding of human behavior.

Drama/ Debate

Debate 1/Elective Credit (Grades 10, 11, 12)
Course Number 4240/Semester

This class teaches the debate skills and techniques needed for competition. The course emphasizes various types of competitive speech (i.e., Oratory, extemporaneous, impromptu, congress, and value debate). Because debate is a competitive extracurricular activity, students will have to demonstrate their eligibility for competition by maintaining at least a 2.0 GPA.

Theatre 1 & 2/Elective Credit (Grade 10, 11, 12)
Course Number 4230/Semester

Drama introduces students to the many varied arts of theatre, including plays, movement, characterization, memorization, improvisation, as well as a brief glimpse at technical theatre and history. With an emphasis on the works of William Shakespeare, students will learn analysis, language, history and theatre production principles. The class is designed to stimulate creativity, confidence and self awareness. Assignments and activities are designed to enhance acting techniques in an attempt to improve presentation performance. Students learn terminology as well as different methods of training for the stage, public speaking and business presentations. In addition, some students will have the opportunity to prepare scenes and monologues for region and state drama competitions and school theatre productions.

ELECTIVE CREDIT

Commercial Air Pilot/Elective Credit (Grade 11, 12) Course Number 8870/Year

This class covers the principles of flight, the flight environment, aircraft systems/performance, meteorology, basic navigation, aviation physiology, and aeronautical decision making. The class provides the certified ground school required to earn a private pilot license.

Intro to Health Science/Elective (Grade 10, 11, 12) Course Number 8337/Year

This is a semester course designed to create an awareness of career possibilities in therapeutic diagnostic, information and environmental health care and to inform students of the educational options available for health science and health technology programs. Instruction includes beginning anatomy and physiology, medical terminology, medical ethics, diseases, and disorders. The course prepares students for the medical anatomy and physiology course and/or for a variety of health technology programs. This course can be used for health credit. **Must take for entire year to count as Health Credit.**

Medical Anatomy and Physiology/Elective Credit (Grade 11, 12) Course Number 8339/Year

This course is an in-depth study of health careers, which will include actual clinical experiences. Subjects taught will be intermediate anatomy, physiology, medical terminology, first aid and medical ethics.

DATC/OWATC/Elective Credit (Grade 11, 12) Skills Training Courses

Students wishing to develop job related skills can enroll in courses at the Davis Applied Technology College or the Ogden Weber Applied Technology College. Students must provide their own transportation and must take courses in a two period block. If interested, please see counselor at NUAMES for transmittal papers.