



***Northern Utah Academy for Math, Engineering and
Science Early College High School***

**Course Guide and Class Descriptions
2019-2020**

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Mission Statement

“Our Mission is to be the school of choice for those seeking a rigorous and supportive early college experience on a university campus”

NUAMES Policy & Grievance Procedures

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.

NUAMES does not discriminate on the basis of race, color, sex, national origin, age or disability in its programs and activities. Title IX Coordinator: Deb Hefner, 801-395-3354. 2750 University Park Blvd., Layton, UT 84041. For discrimination questions regarding disability, section 504 coordinator is Steve Davis, 801-395-3355. 2750 University Park Blvd., Layton, UT 84041. For assistance related to civil rights, you may contact the enforcement office serving our state. The OCR office for Utah is located at: Office for Civil Rights-Denver Office, U.S. Department of Education, 1244 Speer Blvd., Suite 310, Denver, CO 80204-3582. Phone 303-844-5695. Fax: 303-844-4304. Email: OCR.Denver@ed.gov

Any grievance regarding the above statements should be directed to:

Northern Utah Academy for Math, Engineering, and Science
Attn: Nate Taggart
2750 N. University Park Blvd.
Layton, UT 84041
(801) 395-3358

Fees and Waivers

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. The State of Utah requires that all students who take Concurrent Enrollment Courses pay \$5 per credit partial tuition. This will be paid directly to the Higher Education Institution offering the concurrent enrollment credit.

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 office for assistance on fee waivers.

General Information

1. Each student should have three goals in mind when registering for classes: filling core requirements, developing life skills, and preparing for post high school. A counselor will work with students and parents to develop a College and Career Readiness Plan (CCRP) to assist students in meeting individual needs for graduation, career goals, and post high school education.
2. Each student must register for a full eight period schedule for both semesters. After registration, changes must be approved by parents and counselor unless a scheduling error has been made. There is a \$10 fee for all parent/student scheduling changes. After 2 weeks into a quarter class, changes are not permitted.
3. Some classes listed in this course guide may not be offered if minimum enrollment requirements are not met.
4. The State of Utah requires that all students who take Concurrent Enrollment Courses pay \$5 per credit partial tuition. This will be paid directly to the Higher Education Institution offering the Concurrent Enrollment credit.
5. Students who desire to take religious instruction (release time/Bible study) may do so on a non-credit basis.
6. Students are required to select either one full year or two half year alternate classes.
7. 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.

NUAMES 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 and College and Career goals. 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 must complete the Senior Capstone Project and create a Portfolio. See description of requirements at www.nuamescounseling.com
- Juniors and Seniors are required to attend at least 3 Seminars per semester. See description of requirements at www.nuamescounseling.com

GRADUATION REQUIREMENTS:

Language Arts	4 credits
Science	4 credits
Mathematics	4 credits
Social Studies	3 credits
Engineering	2 credits
Physical Education	1.5 credits
Fine Arts	1.5 credits
Health	.5 credit
Digital Literacy	.5 credit
Financial Literacy	.5 credit
Elective Credit	5.5 credits
TOTAL GRADUATION CREDITS	27 CREDITS

Opportunities for College Credit

ADVANCED PLACEMENT

- College level courses designed for college bound students
- Must pass final exam from College Board to receive college credit
- \$94.00 fee for College Board Exam
- See course catalog for prerequisites

CONCURRENT ENROLLMENT (CE)

- College curriculum, syllabus and course work is taught by a high school teacher
- The student must apply to the college or university offering the CE credit and pay the admissions fee.
- There is a \$5 per credit registration fee that must be paid to the college or university to receive college credit
- All university/college deadlines for admission and registration must be met.

EARLY COLLEGE (EC)

- Students must meet the requirements and be admitted into the Early College Program
- Students enroll in and attend Weber State University courses taught by WSU personnel.

Make-Up Credit

1. Correspondence Courses - Any courses taken through correspondence must be from an accredited institution and approved by the counselor before they are taken. The most common site for taking courses through this option is BYU independent study courses for high school students. Learn more about these courses at elearn.byu.edu.
2. NUAMES Online – Online courses taught through NUAMES, by NUAMES instructors. These courses can be used for original as well as make up credit. To access these courses, please make an appointment to see your counselors.
3. Private Accredited Programs - Students can earn make-up credit through private programs like Sylvan Learning Center or Northridge Tutoring Center. Prior approval through the counselor is required for credit from these sources to be accepted. Tuition is charged.
4. Students needing to make-up citizenship credit must meet with their counselor. Students can work under the supervision of the teacher who gave the U or other school personnel, at any volunteer organization or at a site that is pre-approved by the counselor. Forms are available in Office. Four (4) hours of volunteer service is required to make-up one U (unsatisfactory citizenship). There is a \$10 posting fee per “U”.
5. Home school credit must be done through an accredited institution on an official transcript for NUAMES to accept the credit. If 9th grade credit has not been done through an accredited institution, see high school counselor.

****SENIORS: All make-up credit must be completed by May 1, 2020.***

MASTER SCHEDULE LISTING - DAVIS

ART			
1200	Painting 1	sem	10,11,12
1230	Drawing 1	sem	10,11,12
8831	Basic Digital Photography	sem	10,11,12
8673	CE – Game Development	sem	10,11,12
1231	CE – ART 1030 (IVC)	sem	11,12

DRIVER'S EDUCATION			
7880	Driver's Education	sem	10,11,12
PE & HEALTH			
7785	Body Conditioning	sem	10,11,12
7710	Fitness for Life	sem	10,11,12
7720	Lifetime Activities	sem	10,11,12
7150	Health Education 2	sem	10,11,12
8337	Introduction to Health Science	YR	10,11,12

BUSINESS / MARKETING / TECHNOLOGY			
8650	Digital Media 1	sem	10,11,12
8536	Business Web Development	sem	10,11,12
8523	Business Office Specialist	sem	10,11,12
8542	CE Business Management	sem	10,11,12
8543	CE Entrepreneurship	sem	11,12
8939	Workplace Skills	sem	12
2900	General Financial Literacy	sem	11,12

ENGINEERING			
8637	PLTW – CE Intro to Engineering	YR	10, 11
8638	PLTW – CE Prin. of Engineering	YR	11,12
8639	PLTW – CE Digital Electronics	YR	10,11,12
8642	PLTW- Aerospace Engineering	YR	11,12
8631/32	Robotics and Automations	YR	10,11,12
8676	CS 1030 – CE Computer Science	sem	11, 12
8688	CS 1400 – CE Programming II	sem	11,12
8685	CS 1410 – CE Programming III (IVC)	sem	12

ENGLISH			
4100	English 10	YR	10
4110	English 11	YR	11
4120	English 12	YR	12
4128	AP Literature and Composition	YR	11,12
4125	CE English 1010	sem	12
4122	CE English 2010	sem	12

FOREIGN LANGUAGE			
4620	Spanish 1	YR	10,11,12
4630	Spanish 2	YR	10,11,12
4640	Spanish 3	YR	10,11,12
RELEASE TIME			
850	Release Time – NO CREDIT	YR	10,11,12

MATHEMATICS			
5410	Secondary Math 2 Essentials	YR	10
5140	Secondary Math 2 - A	YR	10
5140	Secondary Math 2	YR	10
5150	Secondary Math 3	YR	10,11,12
5150	Secondary Math 3-A	YR	11,12
5503	Secondary Math 3 Lab	YR	11,12
5460	Math Decision Making	YR	12
5245	CE 1010 – Inter. Algebra	sem	11,12
5240	CE 1040 – Intro to Statistics	sem	12
5250	CE 1050 – College Algebra	sem	11,12
5260	CE 1060 - Trigonometry	sem	11,12
5230	CE 1030 Quantitative Literacy	sem	12
5500	Math Lab	sem	10,11,12

SCIENCE			
3520	Biology	YR	10,11,12
3524	AP Biology	YR	10,11,12
3620	Chemistry	YR	10,11,12
3628/29	CE-Chemistry 1110 with Lab	YR	11,12
8619	Physics w/ Technology	YR	10,11,12
3651	CE – Physics 1010	YR	11,12
3900	Zoology	YR	11,12
3700	Human Physiology	YR	11,12
8339	CE-Anatomy/Physiology	YR	11,12
	CE-Biology 1010	YR	11,12
8479	CE- Foundations of Nutrition (IVC)	sem	11,12
ELECTIVES			
6320	Psychology	sem	10,11,12
6331	CE Psychology	YR	11,12
8733	Law Enforcement	sem	10,11,12
4190	Yearbook	YR	10,11,12
714	CE Comm 2110	sem	12
2660	ACT Prep	sem	10,11
2212	Office Assistant	sem	10,11,12
2214	Teacher Assistant	sem	10,11,12
2400	Study Skills	sem	10,11,12
2401	Study Skills – Special Education	sem	10,11,12
600	Home Release (NO CREDIT)	sem	11,12
720	Weber State – Early College	sem	11,12

SOCIAL STUDIES			
6240	World Civilizations	YR	10
6234	AP European History	YR	10
6250	United States History 2	YR	11
6261	CE History 1700	sem	11,12
6275	US Government & Citizenship	sem	11,12
6277	CE POLS 1100	sem	11,12

MASTER SCHEDULE LISTING - NORTH

ART			
1200	Paintig1	sem	10,11,12
1230	Drawing	sem	10,11,12
8831	Basic Digital Photography	sem	10,11,12
8673	CE – Game Development	sem	10,11,12
1231	CE – ART 1030	sem	11,12

DRIVER'S EDUCATION			
7880	Driver's Education	sem	10,11,12
PE & HEALTH			
7785	Body Conditioning	sem	10,11,12
7710	Fitness for Life	sem	10,11,12
7720	Lifetime Activities	sem	10,11,12
7150	Health Education 2	sem	10,11,12
8337	Introduction to Health Sciences	YR	10,11,12

BUSINESS / MARKETING / TECHNOLOGY			
8650	Digital Media 1	sem	10,11,12
8523	CE Business Office Specialist	sem	10,11,12
8542	CE Business Management	sem	10,11,12
8543	CE Entrepreneurship	sem	10,11,12
8939	Workplace Skills	sem	12
2900	General Financial Literacy	sem	11,12

ENGINEERING			
8637	PLTW – CE Intro to Engineering	YR	10, 11
8638	PLTW – CE Principles of Engineering	YR	11,12
8676	CS 1030 – CE Computer Science	sem	11, 12
8688	CS 1400 – CE Programming II	sem	11,12
8685	CS 1410 – CE Programming III (IVC)	sem	12
8631/32	Robotics and Automations	YR	10,11,12

ENGLISH			
4100	English 10	YR	10
4110	English 11	YR	11
4128	AP Literature	YR	11, 12
4120	English 12	YR	12
4125	CE English 1010	sem	12
4122	CE English 2010	sem	12

FOREIGN LANGUAGE			
4620	Spanish 1	YR	10,11,12
4630	Spanish 2	YR	10,11,12
4640	Spanish 3	YR	10,11,12
RELEASE TIME			
850	Release Time – NO CREDIT	YR	10,11,12

MATHEMATICS			
5410	Secondary Math 2 Essentials	YR	10
5140	Secondary Math 2 - A	YR	10
5140	Secondary Math 2	YR	10
5150	Secondary Math 3	YR	10,11,12
5150	Secondary Math 3-A	YR	11,12
5503	Secondary Math 3 Lab	YR	11,12
5460	Math Decision Making	YR	12
5245	CE 1010 – Inter. Algebra	sem	11,12
5250	CE 1050 – College Algebra	sem	11,12
5260	CE 1060 - Trigonometry	sem	11,12
5230	CE 1030 Quantitative Literacy	sem	12
5500	Math Lab	sem	10,11,12
8500	Accounting 1	sem	12
8503	Accounting 2	sem	12

SCIENCE			
3520	Biology	YR	10,11,12
3620	Chemistry	YR	10,11,12
3628/29	CE-Chemistry 1110 with Lab	YR	11,12
8619	Physics w/ Technology	YR	10,11,12
3651	CE – Physics 1010	YR	11,12
3900	Zoology	YR	11,12
8339	CE-Anatomy/Physiology	YR	11,12
8479	CE- Foundations of Nutrition	sem	11,12
	CE-GEO 1110	sem	11,12

SOCIAL STUDIES			
6240	World Civilizations	YR	10
6250	United States History 2	YR	11
6261	CE HIST 1700	sem	11,12
6275	US Government & Citizenship	sem	11,12
6277	CE POLS 1100	sem	11,12

ELECTIVES			
6320	Psychology	sem	10,11,12
2401	Study Skills – Special Education	sem	10, 11,12
2400	Study Skills	sem	10,11,12
8733	Law Enforcement	sem	10,11,12
4146	Creative Writing	sem	10,11,12
2267	Advisory - Seminar	sem	11,12

ELECTIVES			
2660	ACT Prep	sem	10, 11,12
600	Home Release (NO CREDIT)	sem	11,12
720	Weber State – (Early College)	sem	11,12
714	CE-COMM 2110	sem	11,12
6331	CE- PSY 1010	sem	11,12
2214	Teacher Asst.	sem	10, 11,12
2212	Office Asst.	sem	10, 11,12

ART

<p>Drawing 1 1230/Semester Fine Arts Credit (10th, 11th, 12th) CAMPUS: Davis & North <i>Lab and Materials Fee: \$20.00</i></p>	<p><u>Course Description:</u> 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.</p>
<p>Painting I 1200/Semester Fine Arts Credit (10th, 11th, 12th) CAMPUS: Davis & North <i>Lab and Materials Fee: \$20.00</i></p>	<p><u>Course Description:</u> Painting 1 includes wet and dry color media with processes such as transparent and opaque painting focuses on the operations of color. Students develop perceptual skills, graphic skills and skills of observing and evaluating works of art. Students develop compositional skills by learning and applying visual concepts that apply to color.</p>
<p>Basic Digital Photography I 8831/Semester Fine Arts Credit (10th, 11th, 12th) CAMPUS: Davis & North <i>Lab and Materials Fee: \$20.00</i> <u>Digital camera will be required.</u></p>	<p><u>Course Description:</u> 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. Pre-edit, shooting, and post editing will be a part of the learning experience.</p>
<p>ART 1030 – CE STUDIO ART 1231/ Semester Fine Arts credit (11th, 12th) CAMPUS: Davis (IVC) & North 3 WSU credits CE Fees: WSU \$5 per credit Lab and Materials Fee: Art kit required by WSU</p>	<p><u>Prerequisite:</u> Art Foundations 1 or 2 OR Drawing 1 University requirements for enrollment in CE courses must be met. <u>Course Description:</u> This course is a semester college-level course. Studio Art introduces students to the relationships between seeing, thinking and making, which are central to artistic practice. This course incorporates studio work artistic research, individual and group discussions and critiques, as well as slide lectures and presentations. It is designed to help students gain an understanding of the fundamentals of visual art. Students will learn drawing, painting, and printmaking techniques and will review the fundamentals of design. The history of art and contemporary artistic practice will be discussed. Outside of class assignments and class critiques are an important part of this course.</p>

<p>CS 1010 – CE Introduction to Interactive Entertainment 8673/Semester Fine Art/Digital Learning Credit (10th, 11th, 12th) CAMPUS: Davis, North & Online 3 WSU credits CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20</p>	<p><u>Prerequisite:</u> NONE <u>Course Description:</u> This course examines and analyzes the history, philosophy, and impact of digital entertainment (video and computer games along with simulations) on an individual and society. Students take a critical look at the artistic, but also the cultural, economic and social aspects of this expressive medium. Students imagine and articulate their own ideas and work through a series of projects helping them understand the creative challenges behind interactive entertainment design. Student will be required to play video games outside of the regularly scheduled class times.</p>
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BUSINESS/DIGITAL LEARNING/FINANCIAL LITERACY

<p>Digital Media I 8650/Semester Fine Arts/Digital Learning credit (10th, 11th, 12th) CAMPUS: Davis & North <i>Lab and Materials Fee: \$20.00</i></p>	<p><u>Course Description:</u> 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.</p>
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<p>Business Office Specialist 8523 / Semester Digital Learning OR Elective (10th, 11th, 12th) CAMPUS: Davis & North <i>Lab and Materials Fee: \$20.00</i></p>	<p><u>Course Description:</u> This semester course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students will integrate applications learned. Students may earn CE credit and given the opportunity to earn Microsoft Office Specialist (MOS) industry certifications.</p>
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<p>BSAD 1010 – CE Business Management 8542 / Semester Elective Credit (10th, 11th, 12th) 3 WSU credits CAMPUS: Davis & North CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> Leadership and management skills are valuable to any industry and will benefit all students regardless of their future endeavors. Alongside developing positive problem-solving and decision making skills, students will learn the basic ins and outs of what makes a business function.</p>
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<p>ENRT 1002 – CE Entrepreneurship 8543/Semester Elective Credit 3 WSU credits (10th, 11th, 12th) CAMPUS: North CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> Use idea-generation processes to explore potential business ideas and create your very own business model in this CE class. Students will gain the basic knowledge and skills needed to become “open for business” after taking this course.</p>
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<p>Workplace Skills 8936 / Semester Elective Credit (11th, 12th) CAMPUS: Davis and North Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> This exciting work-based learning course prepares high school seniors to become successful employees in the workforce while exploring future careers. Students can intern in a field that they are considering as a potential career. The course curriculum correlates with the student’s internship experience and focuses on workplace skills and issues. Internship application is required.</p>
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<p>Financial Literacy 2900/Semester Required Fin. Literacy Credit (11th, 12th) CAMPUS: Davis, North, Online and Summer Online Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> 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. This class is required for graduation.</p>
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DRIVER’S EDUCATION

<p>Driver’s Education 7880/Semester Elective Credit (10th, 11th, 12th) CAMPUS: Davis, North, Online and Summer Online Lab and Materials Fee:\$160</p>	<p><u>Course Description:</u> The Drivers Education and Drug and Alcohol class is taught as an elective, semester course during the regular school day. These students will complete road driving with NUAMES high school driving instructors. Drivers Education is offered both semesters and is open to students by birth date. 1st Semester – students who turn 16 between September 1 and February 28, 2018 2nd Semester – students who turn 16 between March 1 and August 31, 2018. All road driving will be done after school and on Saturdays. Teachers will schedule student driving times based on the availability of cars. Students who turn 16 during the summer may be scheduled to drive during the summer. Students must get their permit prior to starting the Driver’s</p>
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	<p>Education class. The law requires that students attend a specific number of hours in the classroom as well as behind the wheel.</p> <p>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.</p> <p>NUAMES WILL OFFER A SUMMER DRIVER'S ED THIS YEAR, IF WE HAVE ENOUGH INTERESTED. THE CLASS COST IS \$250 AND WOULD BE HELD THE FIRST 2 WEEKS AFTER SCHOOL IS OUT. MUST HAVE DRIVERS PERMIT TO BE IN CLASS.</p>
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ENGINEERING

<p>DET 1010/DET 1160 – CE PLTW Introduction to Engineering Design (IED) 8637/Year Engineering Credit 6 WSU credits (10th, 11th, 12th) CAMPUS: Davis & North CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> This class is required for all 10th graders and new incoming 11th graders. 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 Credit - DET 1010 1st Semester, DET 1160 2nd Semester.</p>
<p>ENGR 1000 – CE PLTW Principles of Engineering (POE) 8638/Year Engineering Credit 2 WSU credits (10th, 11th, 12th) CAMPUS: Davis & North CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20</p>	<p><u>Prerequisite:</u> Intro to Engineering Design (IED) <u>Course Description:</u> 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.</p>
<p>MEET 1130 – CE PLTW Digital Electronics Technology (DE) 8639/Year Engineering Credit 6 WSU credits (11th, 12th) CAMPUS: Davis & North</p>	<p><u>Prerequisite:</u> Intro to Engineering Design or Principles of Engineering <u>Course Description:</u> Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to 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.</p>

CE Fees: WSU \$5 per credit Lab and Materials Fee: \$20	
PLTW Aerospace Engine 8642/Year Engineering Credit (11 th , 12 th) CAMPUS: Davis Lab and Materials Fee: \$20	<u>Prerequisite:</u> Intro to Engineering Design or Principles of Engineering <u>Course Description:</u> The major focus is to acquaint the students with the world of flight and space travel. The course covers the following: the history of flight; aerodynamics and aerodynamics testing; flight systems; astronautics; space life sciences; aerospace materials; systems engineering. Aerospace Engineering is intended to serve as a specialization course within the engineering sequence.
CS 1030 – CE Foundations of Computer 8676/Semester Engineering Credit (11 th , 12 th) WSU 4 credit hours CAMPUS: Davis and North Lab and Materials Fee: \$20	<u>Course Description:</u> This course follows the core body of knowledge specified by the ACM which provides students with a broad overview of topics they might encounter within the Computer science curriculum. The course is taught at an introductory level and includes topics such as: history of computers, computer architecture, operating systems, world-wide web and HTML, programming with Java, database, software engineering, networking, and more.
CS 1400 – CE Comp. Programming II 8688/Semester Engineering Credit (11 th , 12 th) WSU 4 credits CAMPUS: Davis and North Lab and Materials Fee: \$20	<u>Prerequisite:</u> CS 1030 CE Foundations of Computer Science <u>Course Description:</u> This course covers basic operating system navigation and components of the program development process. The majority of the course covers basic problem solving and program design of a software application using a selected language. Topics presented and discussed depending on selected language include: thinking logically to solve problems, working with input/output devices, compilation and library use, structured programming and modularity concepts, conditional and iterative structures including recursion, object oriented design, data types and structures, and pointers,
CS 1410 – CE Computer Programming III 8685/Semester Engineering Credit (11 th , 12 th) WSU 4 credits CAMPUS: Davis and IVC CE Fees: WSU \$5 per credit	<u>Prerequisite:</u> CS 1400 CE Computer Programming II <u>Course Description:</u> This advanced course is object oriented computer programming. It is intended to serve both as an introductory course for computer science majors and as a substantial service course for people who will major in other disciplines that require significant involvement with computing such as engineering. A primary objective is to teach students how to write logically structured, well-documented computer programs. The language for this course is C++.

<p>Robotics and Automation 8631 and 8632 /Year Elective Credit (10th, 11th, 12th)</p> <p>CAMPUS: Davis</p> <p>Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> Robotics and Automation is a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program and control robotic devices by applying science, technology, engineering and math concepts. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed.</p>
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ENGLISH

<p>English 10 4100/Year English Credit (10th)</p> <p>CAMPUS: Davis and North</p>	<p><u>Course Description:</u> This course will continue to develop comprehension, composition, and grammar skills developed in Ninth Grade English. The students will use the entire writing process to develop skills in writing narratives, informative papers, character sketches, persuasive essays and research reporting using non-traditional materials. The students will study world literature including the in-depth study of novels and short stories. Grammar and usage, including daily oral language exercises will be emphasized.</p>
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<p>English 11 4110/Year English Credit (11th)</p> <p>CAMPUS: Davis and North</p>	<p><u>Course Description:</u> This course will help students develop all communication skills, including reading, writing, speaking, and listening. This course is designed to build on the skills of literary comprehension, composition, and grammar that were developed in English 10. Students will continue to use the entire composing process to develop skills in writing narratives and poetry, persuasive essays, interpretative essays, and research skills. The major course of study is American literature. Students will prepare for college entrance exams by focusing on grammar, mechanics, usage and daily oral language exercises.</p>
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<p>AP English Literature and Composition 4128/Year English Credit (11th, 12th)</p> <p>CAMPUS: Davis and North</p>	<p><u>Pre-requisites</u> "B" average in two previous years' English classes. <u>Course Description:</u> An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.</p>
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<p>English 12 4120/Year English Credit (12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> 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.</p>
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<p>ENGL 1010 - CE English 1010 4125/Semester English Credit (12th) CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisites:</u> ACT English score of 17 or above (scores must be obtained by May of junior year). <u>Course Description:</u> This class requires you to read and think about broad issues and then write about them using a process to come up with the best essay. The curriculum is the same for all freshman English classes in any college or university. The grading standards are those of a college class rather than a high school class.</p>
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<p>ENGL 2010 - CE English 2010 4122/Semester English/Elective Credit (12th) CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisites:</u> CE English 1010 (To skip CE English 1010 student needs ACT score of 29 on English and Reading) <u>Course Description:</u> The course provides instruction and practice in exposition, argumentation/persuasion, and documented research. It emphasizes critical thinking, the reciprocity of reading, writing and the production of well-developed analytical arguments.</p>
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Foreign Language

<p>Spanish 1 4620/Year Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> First year Spanish is an exciting introduction to this wonderful and most useful language. 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 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.</p>
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<p>Spanish 2 4630/Year Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Prerequisite:</u> Spanish 1 <u>Course Description:</u> Second year Spanish is an exciting and challenging continuation in the wonderful world of the Spanish language. 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 a daily opportunity to use the language, and as they work, they will gain confidence and competence.</p>
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	*All students taking Spanish for the first time at NUAMES that want to take Spanish 2 must first take a placement test.
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<p>Spanish 3 4640/Year Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Prerequisite:</u> Spanish 2 <u>Course Description:</u> 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. This can be a difficult class and if you are not already very comfortable with both forms of past tense (preterit and imperfect) which are covered extensively in Spanish 2 at NUAMES, Spanish 2 is probably a better option for you. *All students taking Spanish for the first time at NUAMES that want to take Spanish 3 must first take a placement test.</p>
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Mathematics

<p>Secondary Math 2-A and Essentials 5140 and 5410 / Year Math Credit (10th) CAMPUS: Davis and North *Enrollment in both courses is required</p>	<p><u>Prerequisite:</u> Math Placement Test, teacher & counselor recommendation <u>Course Description:</u> This course is for students who need a slower pace and additional instruction and exposure to the course content. Students will become proficient in gaining and building success in math and life skills, reinforcing Secondary Math 1 skills and preparing to enter Secondary Math 3. This course may be taken by recommendation only.</p>
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<p>Secondary Math 2 5140/Year Math Credit (10th, 11th) CAMPUS: Davis and North</p>	<p><u>Prerequisite:</u> Secondary Math 1 <u>Course Description:</u> The focus of Mathematics 2 is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics 1 as organized into 6 critical areas, or units. These units are: Extending the number system; Quadratic functions and modeling; Expressions and equations; Applications of probability; Similarity; Right triangle trigonometry, and proof; Circles with and without coordinates.</p>
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<p>Secondary Math 3-A and Secondary Math 3 Lab 5150 and 5503/Year Math Credit (11th, 12th) CAMPUS: Davis and North *Enrollment in both courses is required</p>	<p><u>Prerequisite:</u> Secondary Math 2, teacher & counselor recommendation <u>Course Description:</u> This course is for students who need a slower pace and additional instruction and exposure to the course content. Students will become proficient in gaining and building success in math and life skills, reinforcing Secondary Math 3 skills and preparing for college level mathematics. This course may be taken by recommendation only.</p>
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<p>Secondary Math 3 5150/Year Math Credit (10th, 11th, 12th)</p> <p>CAMPUS: Davis and North</p>	<p><u>Prerequisite:</u> Secondary Math 2</p> <p><u>Course Description:</u> This course will focus on pulling together and applying the accumulation of learning that they have from their previous course. They will apply methods from probability and statistics, expanding their repertoire of functions to include polynomial, rational, and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.</p>
<p>Accounting 1 8500/Semester Math Credit (12th)</p> <p>CAMPUS: North</p>	<p><u>Course Description:</u> This class is for students who prefer not to take CCS III, or who have had CCS II and need an additional math credit for graduation. Students will review the basic elements and concepts of double entry accounting systems. Skills will include a knowledge of maintaining manual records within the accounting cycle, entering transaction in journals; posting to ledgers; compiling end of period worksheets; adjusting and closing entries; statements and reports and banking activities. We will be learning an online accounting system.</p>
<p>Accounting 2 8503/Semester Math Credit (12th)</p> <p>CAMPUS: North</p>	<p><u>Prerequisite:</u> Accounting 1</p> <p><u>Course Description:</u> Students will review the basic elements and concepts of double entry accounting skills learned in Accounting I and go on to develop advanced accounting skills. Additional skills acquired are dealing with uncollectible accounts, payroll, depreciation, interpreting financial information to make decisions, and calculating notes and interest. An online accounting system will be used.</p>
<p>Mathematical Decision Making for Life 5460/Year Math Credit (12th)</p> <p>CAMPUS: Davis</p>	<p><u>Course Description:</u> This class requires students to use advanced mathematical concepts to make decisions and communicate ideas within 5 domains: Statistics, sets, probability, mathematical modeling, and financial management.</p>
<p>CE Math 1010 Intermediate Algebra 5245/Semester Math Credit (11th, 12th)</p> <p>CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> 1.Secondary Math 1,2,3 average grade of "C" 2. If not "C" average – must have ACT Math 21 score</p> <p><u>Course Description:</u> Inequalities (including absolute value and systems), systems of equations, applications (word problems), functions (inverse, exponential, and logarithmic), variations, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms.</p>

<p>CE Math 1030 Quantitative Literacy 5230/Semester Math Credit (12th) CAMPUS: Davis WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> 1.Secondary Math 1,2,3 average grade of “C” 2. If not “C” average – must have ACT Math 21 score <u>Course Description:</u> Topics from mathematics that convey to the student the beauty and utility of mathematics, and which illustrate its application to modern society. Topics include counting, statistics, probability, growth and form.</p>
<p>CE Math 1040 Introductory Statistics 5763/Semester Math Credit (11th, 12th) CAMPUS: Davis SLCC 3 credits CE Fees: SLCC Admissions and \$5 per credit</p>	<p><u>Prerequisite:</u>1. Secondary Math 1, 2, 3 average grade of “C” OR 2. ACT Math score of 22 or higher OR 3.Taken Accuplacer Test with CLM Score of 58 or above within 1 year. <u>Course Description:</u> Statistics is a branch of mathematics that explores concrete connections with everyday living. Students will develop critical thinking skills with life-long application. Students will gather, graph, examine, compare and interpret data using technology, including graphing calculators or computer statistics software. They will describe data and make informed decisions and predictions based on data.</p>
<p>CE Math 1050 College Algebra 5420/Semester Math Credit (10th, 11th, 12th) CAMPUS: Davis and North WSU 4 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> 1. Secondary Math 1, 2, 3 average grade of “C”, AND 2. ACT Math score of 23 or higher, OR Taken WSU Accuplacer Test with CLM Score of 50-69 OR Passed CE Math 1010 with “C” or better <u>Course Description:</u> 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.</p>
<p>CE Math 1060 Trigonometry 5430/Semester Math Credit (10th, 11th, 12th) CAMPUS: Davis and North USU 2 credits CE Fees: USU Admissions and \$5 per credit</p>	<p><u>Course Description:</u> 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 successfully completed Math 1050 with a “C” or better.</p>

Health and Physical Education

<p>Body Conditioning 7785/Semester PE Credit (11th, 12th) CAMPUS: Davis and North Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> This semester class offers students instruction in a number of body conditioning principles and techniques. Students will have the opportunity to develop strategies for overall body conditioning. The class will target the following areas of fitness: Flexibility, cardiovascular, muscle strength, muscle endurance, coordination, agility, and speed. Activities will include running, jump rope, weightlifting, aerobic exercise, hiking, and team sports which promote overall fitness. Students will be encouraged to develop good habits in the following areas essential to fitness: regular exercise, healthy diet, and adequate rest.</p>
<p>Fitness for Life 7710/Semester Required PE Credit (10th, 11th, 12th) CAMPUS: Davis, North, Online, & Summer Online Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> 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. This class is required for graduation.</p>
<p>Lifetime Activities 7720/Semester PE Credit (10th, 11th, 12th) CAMPUS: Davis and North Lab and Materials Fee: \$20</p>	<p><u>Course Description:</u> Student will acquire skills in a 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.</p>
<p>Health Education 2 7150/Semester Required Health Credit (10th, 11th, 12th) CAMPUS: Davis, North, Online, & Summer Online</p>	<p><u>Course Description:</u> 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.</p>
<p>Introduction to Health Sciences 8337/Year Required Health Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> This course is designed to create an awareness of career possibilities in therapeutic, diagnostic, information and environmental health care, and inform students of the educational options available in 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 a variety of health technology programs. This year-long course also includes the Healthy Education 2 Curriculum and counts for the required .5 Health credit as well as .5 Elective credit.</p>

Release Time

<p>Released Time 850/Year No Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p>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.</p>
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Science

4th YEAR SCIENCE CREDIT OPTIONS

In addition to regular science classes, the following can count as your 4th year of Science:

- Aerospace Engineering
- Digital Electronics Technology
- Principles of Engineering
- CS 1030 – Computer Science Principles
- CS 1040 – Computer Programming

LIFE SCIENCES

<p>Honors Biology 3520/Year Science Credit (10th, 11th, 12th) CAMPUS: Davis and North <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Course Description:</u> The Honors Biology curriculum is designed to present an examination of the living world and related societal issues. Emphasis is placed on the scientific process, cells and cell processes, human anatomy, genetics, evolution, and ecology. It will provide an in-depth, lab-oriented approach to the biological sciences with an emphasis on practical encounters. Honors Biology investigates biological organization starting at a molecular level and culminating with living organisms and their evolutionary history.</p>
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<p>AP Biology 3524/Year Science Credit (10th, 11th, 12th) CAMPUS: Davis <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Prerequisite:</u> B or above grade in previous science class <u>Course Description:</u> AP Biology is an introductory college-level biology course. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes-energy and communication, genetics, information transfer, ecology, and interactions. The workload and grading standards are those of a college class rather than a high school class. This course will have MANDATORY AP Biology Lab after school hours. Students that successfully complete all lab requirements will receive an additional .5 Science credit. College credit may be obtained by successfully completing the course and by passing a required AP Examination.</p>
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<p>Human Physiology 3700/Year Science Credit (11th, 12th) CAMPUS: Davis</p> <p><i>Lab and Material Fee: \$20.00</i></p>	<p><u>Prerequisite:</u> Biology with a passing class grade of B or above. <u>Course Description:</u> Human Physiology will cover, in detail, the systems of the human body. Students will learn about the increasingly complex levels of the human body, from cells, to tissues, to organ systems. The majority of the course will be devoted to the detailed coverage of human body systems. In addition to learning about the physiology of these systems, students will also learn about many pathological disturbances (disorders and disease) of the systems.</p>
<p>BIO 1010- CE Biology 1010 /Year Science Credit (11th, 12th) CAMPUS: Davis SLCC 4 credits CE Fees: SLCC Admissions and \$5 per credit <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Prerequisite:</u> Biology with a passing class grade of B or above. <u>Course Description:</u> This non-majors course will cover a broad survey of living diversity from bacteria to plants and animals. It will introduce students to cell structure and physiology, inheritance, evolution and classification. This class will focus on the integration of biological science into daily events by studying cellular level phenomena, evolutionary relationships, and heritable patterns. Laboratory study, experimentation, and analysis will be completed to illustrate important biological principles and provide a hands-on experience in general biology.</p>
<p>HTHS 1101 & HTHS 1120 CE MEDICAL ANATOMY & PHYSIOLOGY A-Day Class (8339) Year B-Day Class (8339) Year (Must sign up for one period on A-Day and one period on B-Day) Science Credit CAMPUS: Davis and North WSU 5 credits CE Fees: WSU \$5 per credit Must purchase CE textbook <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Course Description:</u> This course is designed to prepare students who are interested in health careers for advanced courses and training. Includes Human Anatomy and Physiology, Diseases and Disorders, Medical Terminology, Case Studies in Health Science and speakers from various health professions. Additional costs may be assessed by the sponsoring university. Students are responsible for obtaining any books necessary for the class.</p>
<p>Zoology 3900/Year Science Credit (11th, 12th) CAMPUS: Davis and North <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Prerequisite:</u> Biology <u>Course Description:</u> This course will introduce students to the tremendous diversity in Kingdom Animalia. It is designed to illustrate the basic principles of evolution, ecology, physiology, and behavior of animal life. The class will focus attention on evolutionary relationships, classification, anatomical structure and function, and roles in the environment. Laboratory practical work will be emphasized in both investigating living animal behavior and dissecting preserved specimens.</p>

<p>NURT 1020 – CE – Foundations of Nutrition 8479 / Semester Science Credit (11th, 12th) CAMPUS: North and IVC WSU 3 credits Fees \$140.00 Book is required CE Fees: WSU \$5 per credit</p>	<p><u>Course Description:</u> In this course foundational concepts of nutrition will be taught at an accelerated pace and level. Students will expand their understanding of science, as well as focus on personal dietary principles and life-long health and well-being in the modern environment.</p>
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Physical Sciences

<p>Chemistry 3620/Year Science Credit (10th, 11th, 12th) CAMPUS: Davis and North <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Course Description:</u> 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.</p>
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<p>CE Chemistry 1110 3628 and 3629/Semester Science Credit (11th, 12th) CAMPUS: Davis and North WSU 5 credits Fees \$140.00 Book is required CE Fees: WSU \$5 per credit</p>	<p>Completion of Algebra 2/Secondary Math II and completion of course application available on the school CTE website. Lab Fee Required: \$10 Admissions to WSU required and course fee to WSU. \$25 payment for WSU credits: Chemistry 1110 (5 credit hours). Student will also need to purchase the required textbook. <u>Course Description:</u> This is a college level course. This grade will be on a college transcript. The grades given in class on the high school transcript will work toward a cumulative grade at the end of the year for the college course. This course will introduce general and some organic chemistry to students in nursing, engineering technology, and some other fields of science and health professions. Chemistry 1110 is the first semester of a two semester series that includes general, organic, and biochemistry.</p>
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<p>Physics w/Technology 3644 Year Science Credit (10th, 11th, 12th) CAMPUS: Davis and North <i>Lab and Material Fee: \$20.00</i></p>	<p><u>Prerequisite:</u> Secondary Math 2. <u>Course Description:</u> 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.</p>
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<p>CE Physics 1010 3651/ Year Science Credit (11th, 12th) CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit Lab and Material Fee: \$20.00</p>	<p><u>Course Description:</u> A brief survey of physics at the introductory level. Topics covered include laws of motion, gravity, energy, light, heat, sound, electricity, magnetism, atomic and nuclear physics, radioactivity, and relativity.</p>
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Social Studies

<p>World Civilizations 6240/Year Social Studies Credit (10th, 11th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> 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.</p>
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<p>AP European History 6234/Year Social Studies Credit (10th, 11th, 12th) CAMPUS: Davis</p> <p>College credit may be obtained by successfully completing the course and by passing a required AP Examination.</p>	<p><u>Prerequisite:</u> B or above grade in previous science class and SRI Reading Score of 1100 or better. <u>Course Description:</u> AP European history is a college-level survey course using a college-level text. It covers the political, economic, religious, social, intellectual, and artistic heritage of Europe. It spans the period from 1450 to the beginning of the 21st century. Students enrolled in the course will engage in debates, simulations, and mock trials, analyze historical evidence and read the analysis of both the primary textbooks, novels, and primary sources to recognize trends and patterns over the last 600 years.</p>
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<p>U.S. History 6250/Year Social Studies Credit (11th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> 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.</p>
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<p>HIST 1700 - CE History 1700 6261/Semester Social Studies Credit (11th, 12th) CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Course Description:</u> An analysis of American civilization that traces social, cultural, economic, and political developments in the United States. May be taken to complete the American Institutions requirement with a university (grade of C or better required).</p>
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<p>CE POLS 1100 6277/Semester Social Studies Credit (11th, 12th) CAMPUS: Davis and Online WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> B or above grade in previous Social Studies Class <u>Course Description:</u> A study of American constitutional democracy at the national level, including political institutions, interests, ideals, and the processes through which policies are formulated and implemented.</p>
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<p>U.S. Government and Citizenship 6275/Semester Social Studies Credit (11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> 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.</p>
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Special Education

<p>STUDY SKILLS – SPECIAL EDUCATION 2401 / Year Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> This course is only open to students that qualify for special education services. NUAMES High School Special Education program follows an inclusion model. Under this model students receive direct instruction and curriculum in the regular education setting. This class is utilized to assist students in accessing, completing and understanding the educational objectives and lessons provided by the regular education teacher.</p>
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Electives

<p>ACT Prep 2660/Semester Elective Credit Required for Grade 10 CAMPUS: Davis and North <i>Lab and Material Fee: \$30.00</i></p>	<p><u>Course Description:</u> The purpose of this course is to provide core strategies that enable students write more effectively, comprehend text more fully and quickly, and diagnose and solve test questions more accurately. Our hope is that by mastering the strategies taught in this course, NUAMES students will be better prepared for the ACT Test, the rigors of NUAMES High School, and future university coursework.</p>
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<p>CREATIVE WRITING 1 4146/Semester Elective credit (10th, 11th, 12th)</p>	<p><u>Course Description:</u> This class offers a deep exploration of the creative process with extensive use of the pre-writing stage of the writing process. Students also delve into the genres of poetry and fiction, and gain experience with reading and</p>
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<p>CAMPUS: North</p>	<p>writing various forms of poetry and prose. This course does not fulfill English credit requirements.</p>
<p>Law Enforcement 8733/Semester Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> 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.</p>
<p>Psychology 6320/Semester Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> Psychology is an exciting and comprehensive course that will help students gain a relevant understanding of the complex nature of human behavior, thought and the science behind the efforts of professionals who work in fields relating to this discipline.</p>
<p>PSY 1010 - CE Psychology 6331/Semester Elective Credit (11th, 12th) CAMPUS: Davis and IVC WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p><u>Course Description:</u> Introduction to the scientific study of human behavior.</p>
<p>Yearbook 4190/Year Elective Credit (10th, 11th, 12th) CAMPUS: Davis and North <i>Lab and Material Fee: \$30.00</i></p>	<p><u>Prerequisite:</u> Students must have at least a 3.0 cumulative GPA in order to be admitted into yearbook. <u>Course Description:</u> No prior journalism experience is required. Yearbook/newspaper focuses on developing journalistic skills of interviewing, writing, photography, and design to create professional-level newspapers each month as well as the school yearbook. The curriculum includes writing assignments for everyone, as well as assignments pertaining to specific staff requirements. Students will have homework requirements and may be expected to cover after school events such as dances, club activities, and other meetings. Students are encouraged (but not required) to attend a yearbook camp in Logan during the final week of June.</p>
<p>COMM 2110 – CE Interpersonal Communications 714/Semester</p>	<p><u>Course Description:</u> Explores the dynamics of verbal and nonverbal communication in personal relationships and small groups. The emphasis is on practical application of</p>

<p>Election Credit (11th, 12th) CAMPUS: Davis and North WSU 3 credits CE Fees: WSU \$5 per credit</p>	<p>course content to enhance interpersonal relationships and to achieve competence as group members.</p>
<p>Home Release 600 / Semester NO CREDIT (12th) CAMPUS: Davis and North</p>	<p><u>Course Description:</u> Requires permission form signed by counselor and parent. Students taking home release must be on-track to graduate.</p>
<p>DATC/OWATC Elective Credit (11th, 12th) Skills Training Courses</p>	<p>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.</p>

Nuames Online Program

Program Description:

NUAMES Online is a web-based curriculum that will be taught by a NUAMES instructor. **Our mission is to educate, remediate, accelerate, and graduate NUAMES students.** Students interested in taking online courses at NUAMES must have good organization and time-management skills. The curriculum requires students to independently move from one lesson to the next and complete the unit tests.

Course Fee: \$50 per .25 credit

Registration:

To register for a class students must make an appointment with a NUAMES Counselor to determine appropriate courses, understand requirements of the course and pay for the course.

After completing registration and payment student can begin coursework. Students need to complete all course work on/or before the completion date.

Original Credit Courses:

Financial Literacy (.5)

Fit for Life (.5)

PE (.5)

Health Education 2 (.5)

Recovery Credit Courses:

(Available for students that have received a failing grade (F) during any of the four quarters)

English 10 (All four quarters)

English 11 (All four quarters)

English 12 (All four quarters)

Secondary Math 1 (All four quarters)

Secondary Math 2 (All four quarters)

Secondary Math 3 (All four quarters)

World Civilizations (All four quarters)

US History (All four quarters)

US Government (both quarters)

Online Driver's Education

Online Driver's Education course is a web-based curriculum that is not taught by a NUAMES instructor. The driving requirements and road test will be completed with a NUAMES instructor.

Students must have their learner permit to enroll in the course. See counselors for more information on how to enroll in this course.

Course Fee: \$250