

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

**Course Guide and Class Descriptions  
2020-2021**



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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

NUAMES is committed to assure compliance 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: Nate Taggart, 801-395-3358. 2750 University Park Blvd., Layton, UT 84041. For discrimination questions regarding disability, section 504 coordinator is Dawn Winter, 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

**Students needing an ADA accommodation, please contact Dawn Winter at [dwinter@dmail.net](mailto:dwinter@dmail.net) or by phone 801-395-3350. We will make every attempt to provide reasonable accommodations.**



## NUAMES Counselors

NUAMES counselors are dedicated to assisting all students in the development of self-knowledge, interpersonal relationships, educational and occupational exploration. They also offer help in career planning, post-secondary education planning, scholarships and financial aid information.

Counseling Center Hours - 7:30am-3:30pm

A-F	Lori Drake	801-395-3356
G-O	Becky Austad	801-395-3357
P-Z	Mindy Nelson	801-395-3392

NUAMES counselors have been trained to provide support to students in meeting and overcoming personal issues such as grief, stress, conflict resolution as well as crisis intervention.

See [counseling website](#) for the most current information.



## Weber State Advisors

Weber State University has advisors available to assist NUAMES early college students and/or those seeking a *Certificate of Completion* with college general studies advising. NUAMES students can contact the WSU advisors assigned to assist high school students for information regarding the Early College Program and other opportunities.



## Course Requests and Schedules

NUAMES wants to ensure all students take classes that provide a rigorous grade level learning, meet high school graduation requirements, prepare for future college and career programs, and provide an opportunity to complete college courses that meet general studies requirements.

1. Student course requests are completed online in the spring. It is critical that students register for 8 classes and select at least 2 alternate courses. **COURSE WILL ONLY BE OFFERED IF MINIMUM ENROLLMENTS ARE MET.**
2. Student Schedules will be available in the first part of August. Schedule change labs will be held before school starts. All schedule changes must be made prior to the designated deadline, before the start of each semester or a \$10 fine will be assessed.
3. Students must be registered for a full schedule that can include NUAMES classes, Early College classes at WSU, and DAVIS Tech/Ogdent Tech programs.
4. NUAMES follows an A/B day schedule format. Periods 1,2,3, and 4 are taught on "A" Day and periods 5,6,7, and 8 are on "B" day. All classes are 85 minutes long.



# 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.
- NUAMES Students must complete **4 years of Mathematics, 4 years of Science and 2 years of Engineering**, above and beyond the Utah State Graduation Requirements.
- Students must complete the **Senior Capstone Project** and create a **Portfolio**. See description of requirements at [www.nuamescounseling.com](http://www.nuamescounseling.com)
- All students will participate in a **NUAMES Capstone Mentoring Class**. This class meets four times throughout the year and is designated as a zero period class.
- Juniors and Seniors are required to attend at least 3 **Seminars** per semester. See description of requirements at [www.nuamescounseling.com](http://www.nuamescounseling.com)

## GRADUATION REQUIREMENTS:

<u>REQUIRED COURSES</u>	<u>CREDIT</u>	<u>CLASSES SATISFYING REQUIRED CREDITS</u>
Language Arts	4 credits	One Language Arts course each year (9th, 10th, 11th, 12th)
Science	4 credits	Life Science and Physical Science courses
Mathematics	4 credits	4 years of math courses
Social Studies	3 credits	9th - World Geography (.5); 10th - World History or AP European History (1.0); 11th - US History or CE History (1.0); 12th - US Gov or CE Us Gov
Engineering	2 credits	2 years of Engineering or Computer Science courses
Physical Education	1.5 credits	Fit for Life - (.5) No Substitutions Any PE course or Participation in High School Sports (1.0)
Fine Arts	1.5 credits	Art, Dance, Theater, Photo, Music and WSU Creative Arts courses
Health	.5 credit	Health or Intro. to Health Sciences
Digital Literacy	.5 credit	Exploring Computer Sciences, Business Office Specialist, Computer Science Principles, Computer Programming
Financial Literacy	.5 credit	General Financial Literacy
Elective Credit	5.5 credits	Additional Classes
<b>TOTAL CREDITS</b>	<b>27 CREDITS</b>	



## 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](http://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 counselor.
3. Private Accredited Programs - Students can earn make-up credit through private programs like Sylvan Learning Center or Northridge Learning 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, 2021.***



## 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.



## Transportation

- NUAMES provides students with a UTA bus and train pass annually.
- 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 is not responsible for transportation to and from WSU Ogden or the UTech Colleges.



## NUAMES Citizenship Requirements

Graduation requirements for NUAMES students include satisfactory citizenship and adherence to the rules and policies of the school. Failure to earn the required citizenship credits shall result in loss of the privilege to walk at graduation. Walking at graduation is privilege and not a right, therefore a student could meet graduation requirements, but due to citizenship deficiencies or failure to follow the NUAMES Code of Conduct, students may be withheld from walking in the NUAMES graduation ceremony.

Refer to NUAMES Citizenship Policy in student handbook for the most up to date citizenship requirements.



## Opportunities At NUAMES

### ADVANCED PLACEMENT

- College level courses designed for college bound students
- Must pass final exam from College Board to receive college credit
- \$95.00 fee for College Board Exam
- See course catalog for available courses

### 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.

### INTERSHIPS – Work Based Learning (WBL)

- Be a part of this exciting work-based learning course that prepares high school seniors to become successful employees in the work force while exploring future careers.
- Students can intern in a field that they are considering as a potential career.
- Seniors complete the WBL form to begin the process.
- Contact Andrea Jones, the WBL Coordinator, for questions: [andrejones@dmail.net](mailto:andrejones@dmail.net)

### UTAH TECHNICAL COLLEGES

- See your counselor (counseling Center) to inform them of your intent to attend DTC or OWTC.

- When you visit the tech colleges, you will meet with a member of Student Services who will give you an application, additional information, and get you enrolled in your program of choice.
- There are day, evening, and summer opportunities available. Depending on the program,
- Juniors and Seniors may apply for two class periods or more each day.

## EARLY GRADUATION

Students beginning their senior year with 23 credits are eligible for early graduation. The Centennial Scholarship is available for Early Graduates. See your counselor.



# 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, students can begin coursework. Students need to complete all course work on/or before the completion date.

<p><b><u>Original Credit Courses:</u></b>          Financial Literacy (.5)          Fit for Life (.5)          Walking for Fitness (PE) (.5)          Health Education 2 (.5)</p>	<p><b><u>Recovery Credit Courses:</u></b>          (Available for students that have received a failing grade (F) during any of the four quarters)</p> <p>English 10 (All four quarters)          English 11 (All four quarters)          English 12 (All four quarters)</p> <p>Secondary Math 1 (All four quarters)          Secondary Math 2 (All four quarters)          Secondary Math 3 (All four quarters)</p> <p>World History (All four quarters)          US History (All four quarters)          US Government (both quarters)</p>
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## Online Driver's Education

Online Driver's Education course is a web-based curriculum that is 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**





## NCAA Clearinghouse Eligibility

If you would like to be eligible to play college sports, you will need to register during your sophomore year, with the [NCAA Website](#). You must complete 16 approved core courses which can be found on the counseling corner website. NCAA students need the following breakdown:

- **4 years of English**
- **3 years of mathematics (Algebra I or higher)**
- **2 years of natural/physical science (one must be a lab science)**
- **1 year of additional English, math, or science**
- **2 years of social studies**
- **4 years of additional core courses (from any area listed above or from foreign language)**

*The NCAA will require prospects who intend to enroll at NCAA Division I and Division II institutions to supply ACT or SAT scores to the eligibility center directly from the testing agencies. Test scores on an official high school transcript are not usable for NCAA purposes. Start now and plan to have your ACT and SAT scores.*



## Academic Honors Recognition Program (Cords at graduation)

### **MAGNA CUM LAUDE: (Silver Cord)**

1. Student must meet NUAMES 27 credit graduation requirements.
2. Student must have a cumulative grade point average (GPA) of 3.70 by the end of 3rd semester of the senior year OR have a 3.50-3.69 GPA AND have completed one of the Options listed below.
3. Student must have taken seven courses each semester during 10th and 11th grade.

### **SUMMA CUM LAUDE: (Gold Cord)**

1. Student must meet NUAMES 27 credit graduation requirements.
2. Student must have a cumulative grade point average (GPA) of 3.70 by the end of 3rd semester of the senior year AND
3. Student must have taken seven courses each semester during 10th and 11th grade.



# High School & Post-high Vocabulary

**ADMISSIONS INDEX SCORE** - ADMISSIONS INDEX SCORE A score created by combining your GPA and ACT or SAT score. Colleges use this score to determine your admission and academic scholarships. Increasing your GPA and/or test scores improves your admission index score. See your counselor to find out what your index number is and what Utah schools require.

**AP COURSES (Advanced Placement)** - Advanced placement courses are college-like classes to help prepare students for college. Passing the AP test at the end of school can earn you college credit.

**ASSESSMENT** - This is another name for tests. Assessments are used to measure your interests, abilities and achievements.

**ASSOCIATE'S DEGREE (AA or AS)** - This is a two-year degree offered by colleges and universities.

**BACHELOR'S DEGREE (BA or BS)** - This is a four-year degree offered by colleges and universities.

**CAREER TECHNICAL EDUCATION (CTE)** - Offers students depth of knowledge and skill linked with specific post-secondary school programs culminating in certificates or degrees.

**CONCURRENT ENROLLMENT (CE)** - CE classes are an opportunity for high school students to earn college credit while they are still in high school. A CE class provides high school credit and college credit at the same time. Check with your high school for classes offered.

**CUMULATIVE GPA** - This is the average of ALL grades you earn starting with ninth grade up until you graduate.

**FAFSA** - This stands for Free Application for Federal Student Aid. You must complete this form to apply for federal financial aid to help pay for college.

**GPA** - This is your grade point average. Your GPA is an average of the grades you earn in any grading period. However, your cumulative GPA is your permanent GPA.

**IVC** - Interactive Video Conferencing (IVC) is utilized to provide students access to

**PCCR** - Plan for College and Career Readiness. This is a meeting between parents, student and counselor to help support the student in his/her educational and career goals.

**TEST Acronyms** - Please refer to the testing page in this booklet for test descriptions.

ACT-American College Test

ASVAB-Armed Services Vocational Aptitude Battery

PSAT/NMSQT- Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifier Test SAT-Scholastic Aptitude Test

**TRANSCRIPT** - This document is your permanent educational record. It documents classes, grades, test scores, cumulative GPA and class ranking. An official transcript is requested when applying for college and scholarships. Unofficial transcripts can be accessed using the student information system. Official transcripts can be ordered through the registrar.



# Testing Information

Test Information	10th	11th	12th
<b>ACT (\$)</b> This test should be taken no later than the end of the student's Junior Year. Register online at <a href="http://www.act.org/">http://www.act.org/</a> Students wanting to participate in NUAMES Early College Program their Junior year need to take the ACT no later than February of their sophomore year.	Optional	<b>X</b>	<b>X</b>
<b>PSAT/NMSQT (\$)</b> Preliminary SAT/National Merit Scholarship <b>qualifier test.</b> This test is given only in (October) at Layton High. It allows Juniors to participate in a national scholarship competition, receive recognition and practice for the SAT I test.	<b>X</b>	<b>X</b>	
<b>SAT I and SAT II (\$)</b> College entrance tests. SAT 1 measures verbal and math reasoning abilities. SAT II tests subject areas. These tests are given at WSU and the U of U. The SAT 1 is required by many out of state colleges/universities. Register online at <a href="https://www.collegeboard.org/">https://www.collegeboard.org/</a>		<b>X</b>	<b>X</b>
<b>ASVAB (Free) Armed Services Vocational Aptitude Battery.</b> This is a three hour test is given by the military. Students should talk to their counselor about available dates.	<b>X</b>	<b>X</b>	<b>X</b>
<b>AP (Advanced Placement tests \$\$)</b> Tests in many subjects. Students may receive college credit by passing a test with a score of 3, 4, or 5. Check with each college/university or <a href="http://utahmentor.org">utahmentor.org</a> for the specific amount of college credit awarded.	<b>X</b>	<b>X</b>	<b>X</b>
<b>ASPIRE Plus Test -</b>	<b>X</b>		

## Test Prep Websites

<http://www.actstudent.org>

<http://www.utahfutures.org>

<http://www.march2success.com>

<http://www.shmoop.com/utah/>

<http://www.collegeboard.com>



# Concurrent Enrollment Credit Opportunities

Univ	NUAMES Course #	CE COURSE TITLE	Pure Class (CE only)	Grade Level	SE M or Year	UNIV Course #	UNIV. Credit Hours
<b>*GENERAL EDUCATION CLASS and CORE CREDIT*</b>							
<b>ENGLISH COMPOSITION (3 credit with a grade of 'C' or better)</b>							
WSU	4295	<b>CE English 1010</b>	P	12	SEM	ENGL 1010	3
WSU	4300*	<b>CE English 2010</b>	P	12	SEM	ENGL 2010	3
<b>INFORMATION LITERACY COMPOSITION (1 credit)</b>							
WSU	*	<b>CE Library Information Navigator</b> Taken with English 2010	P	12	SEM	LIBS 1704	1
<b>AMERICAN INSTITUTION (3 credits with a grade of 'C')</b>							
WSU	4555*	<b>CE American Civilizations</b>	P	11, 12	SEM	HIST 1700	3
WSU	4566*	<b>CE Political Science</b>	P	11,12	SEM	POLS 1100	3
<b>MATH QUANTITATIVE LITERACY (3 credits with a grade of 'C' or better)</b>							
WSU	5610	<b>CE Math 1010</b>	P	12	SEM	Math 1010	4
WSU	5620*	<b>CE Math 1030</b>	P	12	SEM	MATH 1030	4
SLC C	5630*	<b>CE Math 1040</b>	P	12	SEM	MATH 1040	3
WSU	5640*	<b>CE Math 1050</b>	P	12	SEM	MATH 1050	4
USU	5660	<b>CE Math 1060</b>	P	12	SEM	MATH 1060	2
<b>HUMANITIES (at least 3 credits of 9 credits)</b>							
WSU	4290*	<b>CE Communications</b> 25 student cap	P	11,12	SEM	COMM 2110	3
<b>CREATIVE ARTS (at least 3 credits)</b>							
WSU	2130*	<b>CE Studio Art Drawing</b> , 25 student cap	P	11,12	SEM	Art 1030	3
WSU	7765*	<b>CE Game Development Fundamentals</b>	P	10,11,12	SEM	CS 1010	3

WSU	2132*	<b>CE Intro to ART (Art History)</b>	P	11,12	SE M	ART1010	3
<b>SOCIAL SCIENCE (6 credits)</b>							
WSU	4573*	<b>CE Psychology</b>	P	11,12	SE M	PSY 1010	3
WSU	7417*	<b>CE Human Development</b>	P	11,12	SE M	CHF 1500	
<b>PHYSICAL SCIENCE (at least 3 credits of 9 credits)</b>							
WSU	6540*	<b>CE Physics</b>	P	11,12	YR	PHYS 1010	3
<b>LIFE SCIENCE (at least 3 credits of 9 credits)</b>							
WSU	7463*	<b>CE Foundations of Human Nutrition</b>	P	11,12	SE M	NUTR 1020	3
SLC C	6950*	<b>CE Biology with a Lab</b>	P	11,12	YR	BIO 1010	4
<b>HEALTH SCIENCES</b>							
WSU	7303	<b>CE Emergency Medical Response</b>	NP	11,12	SE M	AT 2300	3
WSU	7309	<b>CE Medical Anatomy and Physiology</b>	P	11,12	SE M	HTHS 1101 HTHS 1120	2 3
<b>TECHNOLOGY AND ENGINEERING</b>							
WSU	7888/89	<b>CE PLTW Intro to Engineering / Mechanical Design</b>	NP	10,11	YR	PDD 1010	3
WSU	7890/91	<b>CE PLTW Principle of Engineering</b>	NP	10,11	YR	ENGL 1000	2
WSU	7892/93	<b>CE PLTW Digital Electronics</b>	NP	11,12	YR	EET 1110 EET 1130	3 3
WSU	7894/95	<b>CE PLTW Civil Engineering</b>	NP	11,12	YR	BDC 1350 CMT 2360	3 3
WSU	7896	<b>CE PLTW Engineering Capstone</b>	NP	11,12	SE M	PDD 2830	3
<b>COMPUTER SCIENCE</b>							
WSU	7718	<b>CE Computer Science Principles</b>	NP	10,11,1 2	SE M	CS 1030	4
WSU	7736	<b>CE Computer Programing 1</b>	NP	10,11,1 2	SE M	CS 1400	4
WSU	7737	<b>CE Advanced Programming</b>	P	11,12	SE M	CS 1410	4
WSU	7711	<b>CE Algorithms &amp; Data Structure</b>	P	11,12	SE M	CS 2420	4
<b>BUSINESS</b>							
WSU	7530	<b>CE Business Office Specialist</b>	NP	10,11,1	SE	WEB 1700	3

				2	M		
WSU	7525	<b>CE Business Management</b>	NP	11,12	SE M	BSAD 1010	3



## Advanced Placement (AP) Credit Opportunities

- AP is a national rigorous curricular opportunity that requires passing the national exam to earn college level credit.
  - If you pass the associated AP test, you will get 3 – 8 college credits. Number of credits awarded are determined by the college.
- AP courses are a way to complete college credit and save money.
- The AP program is nationally recognized and can be a beneficial to student transcript.
- See University AP Guidelines for specific credit articulation.
- [https://www.weber.edu/Admissions/AP\\_Guidelines.html](https://www.weber.edu/Admissions/AP_Guidelines.html)

AP Course Title	WSU College Articulation	Total Credit
AP Biology	Score 3-5 / Life Science (3) and Elective (3)	6
AP European History	Score 3-5 / History (6)	6
AP Literature and Language	Score 3-5 / Humanities (3) and 3 credits ENGL 1010	6
AP Chemistry	Score 3-5 / Chemistry (Physical Science) See AP Guidelines for details	up to 8



## 2020-2021 WSU General Education Letter of Completion (LOC) NUAMES EARLY COLLEGE HIGH SCHOOL

### Core General Education Requirements

<b>English Composition #1 prerequisite for English 2010 (fulfill one of the 3 below)</b>
CE English 1010 English & Reading ACT Score <29 AP Lit & Language
<b>English Composition #2 (3 credits) (Sr. year)</b>
CE English 2010 (see English Composition #1 for course Pre-req)
<b>Information Literacy (1 credit) (Sr. year)</b>
CE Information Navigator LIBS 1704 (taken with English 2010)
<b>American Institutions (3 credits)</b>
CE American History HIST 1700 CE US Government POLS 1100
<b>Quantitative Literacy (3 credits)</b>
CE Math 1030

CE MATH 1040 CE Math 1050	
<b>Diversity (3 credits)</b>	
CE Human Development CHF 1500 AP Geography (9th grade)	
<b>Humanities #1 (3 credits)</b>	
CE Communications COM 2110 AP English Lit.	
<b>Creative Arts #1 (3 credits)</b>	
CE Studio Drawing ART 1030CE CE Game Development CS 1010	Intro to Art ART 1010
<b>Humanities #2 or Creative Arts #2 (3 credits) - Choose one more class from either the Creative Arts list or the Humanities list.</b>	
<b>Social Science (6 credits)- Choose two classes from the Social Science list.</b>	
CE Psychology PSY 1010 CE Human Development CHF 1500	AP Human Geography (9th grade)
<b>Life Science #1 (3 credits)</b>	
CE Found of Human Nutrition NUTR 1020 CE Biology	AP Biology AP Environmental Science (9th grade)
<b>Physical Science #1 (3 credits)</b>	
CE Physics PHYS 1010 AP Chemistry	
<b>Life Science #2 or Physical Science #2 (3 credits) - Choose one more class from the Life Science list or the Physical Science list.</b>	
<i>Students completing these required General Education credit courses can receive a General Ed Letter of Completion which is accepted at any state Utah Higher Ed Institution as completion of General Ed requirements. About 37 General Ed Credits + 21 Elective credits = a 60 credit Associates Degree. **Always double check with the desired institution for official verification of their Gen Ed Letter of Completion.</i>	

**MASTER LIST OF NUAMES COURSES  
DAVIS CAMPUS 2020-2021**

ART			
2110	Drawing 1	sem	10, 11, 12
2107	Painting 1	sem	10, 11, 12
7696	Basic Digital Photography	sem	10, 11, 12
2130	CE – Studio Art 1030	sem	11, 12
2132	CE - ART History 1010	sem	11, 12
7765	CE – CS 1010 Game Dev.	sem	10, 11, 12

BUSINESS / MARKETING / TECHNOLOGY			
7530	CE - Business Office Specialist	sem	10, 11, 12
7525	CE - Business Management	sem	10, 11, 12
7912	CTE Internship	sem	11, 12

FINANCIAL LITERACY			
7075	General Financial Literacy	sem	11, 12

ENGLISH			
4080	English 10	YR	10
4100	English 11	YR	11
4150	English 12	YR	12
4315	AP Literature & Composition	YR	11, 12
4295	CE – English 1010	sem	12
4300	CE – English 2010	sem	12

MATHEMATICS			
5301	Secondary Math 2 Essentials	YR	10
5300	Secondary Math 2 - A	YR	11
5300	Secondary Math 2	YR	12
5400	Secondary Math 3	YR	11, 12
5400	Secondary Math 3 - A	YR	12
5401	Secondary Math 3 Essentials	YR	12
5850	College Prep Math	YR	12
5610	CE 1010 – Inter. Algebra	sem	11, 12
5630	CE 1040 – Intro to Statistics	sem	11, 12
5640	CE 1050 – College Algebra	sem	11, 12
5660	CE 1060 – Trigonometry	sem	11, 12
5620	CE 1030 – Quantitative Literacy	sem	12
5905	Math Lab	sem	10, 11, 12

SOCIAL STUDIES			
4540	World History	YR	10
4592	AP European History	YR	10
4550	United States History 2	YR	11
4555	CE History 1700	sem	11, 12
4560	US Gov. & Citizenship	sem	11, 12
4566	CE US Gov. & Citz. POLS 1100	sem	11, 12

FOREIGN LANGUAGE			
3110	Spanish 1	YR	10, 11, 12
3120	Spanish 2	YR	10, 11, 12
3182	Spanish 3	YR	10, 11, 12

RELEASE TIME			
850	Release Time – NO CREDIT	YR	10, 11, 12

ENGINEERING			
7888 / 89	PLTW – CE Intro to Engineering	YR	10, 11
7890 / 91	PLTW – CE Prin. of Engineering	YR	11, 12
7892 / 93	PLTW – CE Digital Electronics	YR	11, 12
7835	PLTW– Aerospace Engineering	YR	11, 12
7885 / 86	Robotics and Automations	YR	10, 11, 12
7894 / 95	PLTW – CE Civil Engineering	YR	11, 12

COMPUTER SCIENCE			
7740	Computer Science Principles	sem	10, 11, 12
7718	CS 1030 – CE Computer Science	sem	10, 11, 12
7736	CS 1400 – CE Programming 1	sem	10, 11, 12
7737	CS 1410 – CE Advanced Programming	sem	11, 12
7711	CS 2420 – CE Algorithms & Data Structure	sem	11, 12

SCIENCE			
6201	Honors Biology	YR	10, 11, 12
6230	AP Biology	YR	10, 11, 12
6950	CE Biology 1010	YR	11, 12
6401	Honors Chemistry	YR	10, 11, 12
6430	AP Chemistry	YR	10, 11, 12
6501	Honors Physics	YR	10, 11, 12
6540	CE Physics 1010	YR	11, 12
6262	Zoology	YR	11, 12
7309	CE Medical Anatomy & Physiology	YR	11, 12
7463	CE Foundations of Nutrition (IVC)	sem	11, 12

PE / HEALTH / DRIVER EDUCATION			
1030	Fitness for Life	sem	10, 11, 12
1040	Lifetime Activities	sem	10, 11, 12
1050	Body Conditioning	sem	11, 12
1010	Health Education 2	sem	10, 11, 12
7308	Introduction to Health Science	YR	10, 11, 12
1100	Driver Education	sem	10, 11, 12

ELECTIVES			
4570	Psychology	sem	10, 11, 12
4573	CE Psychology 1010	sem	11, 12
7690	Law Enforcement	sem	10, 11, 12
4365	Yearbook	YR	10, 11, 12
4290	CE Comm 2110	sem	11, 12
407	ACT Prep	sem	10, 11
210	Office Assistant	sem	10, 11, 12
211	Teacher Assistant	sem	10, 11, 12
400	Study Skills	sem	10, 11, 12
401	Study Skills – Special Education	sem	10, 11, 12
214	LIA Peer Leadership	YR	10, 11, 12
7896	CE Engineering Capstone	sem	11, 12
7417	CE - CHF 1500 Human Development	sem	11, 12
7303	CE – Emergency Medical Response	sem	11, 12
600	Home Release	sem	11, 12
	Weber State – Early College	sem	11, 12



# Art

(1.5 credits for graduation)

<p><b>2110-Drawing I</b> SEMESTER Fine Arts Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) Course Fee: \$20</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><b>2107-Painting I</b> SEMESTER Fine Arts Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) Course Fee: \$20</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><b>7696-Basic Digital Photography I</b> SEMESTER Fine Arts Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) Course Fee: \$20</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. <b><u>Digital camera required.</u></b></p>
<p><b>2130 - CE STUDIO ART</b> SEMESTER Fine Arts credit (11<sup>th</sup>, 12<sup>th</sup>)  CE Fees: WSU \$5 per credit Course Fee: \$20 WSU Art kit required</p>	<p><u>Prerequisite:</u> Art Foundations 1 or 2 OR Drawing 1 <b>WSU registration &amp; course fees apply</b> <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. <b>3 WSU Credits - ART 1030 / WSU Creative Art (CA) General Ed.</b></p>
<p><b>2132- CE ART HISTORY</b> SEMESTER Fine Arts credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit Course Fee: \$20 WSU Art kit required</p>	<p><u>Prerequisite:</u> <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> Through lectures, reading, and gallery visits, students will learn aut various processes and techniques of art making, develop an understanding of the functions of art, learn the basic vocabulary for describing visual art, and general historical understanding of the role art has played in our society.  <b>3 WSU Credits - ART 1010 / WSU Creative Art (CA) General Ed.</b></p>

<p><b>7765 - CE Game Development</b> SEMESTER Fine Art/Digital Learning Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit Course Fees: \$20</p>	<p><u>Prerequisite:</u> NONE <b>WSU registration &amp; course fees apply</b> <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. <b>3 WSU Credits - CS 1010 / WSU Creative Art (CA) General Ed.</b></p>
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## Business

<p><b>7530- CE Business Office Specialist</b> SEMESTER Digital Learning OR Elective (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u> <b>WSU registration &amp; course fees apply</b> This is the class that helps you learn everything you need to survive with Microsoft Office, including PowerPoint, Excel, Word and Access all in one semester. Students may earn CE credit and are given the opportunity to earn Microsoft Office Specialist (MOS) industry certifications. <b>Membership in FBLA is encouraged.</b> <b>3 WSU Credits - WEB 1700 / WSU Elective Credit - General Ed.</b></p>
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<p><b>7525 - CE Business Management</b> SEMESTER Elective Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Course Description:</u> <b>WSU registration &amp; course fees apply</b> Business Management is not just about managing, but also about accounting, marketing, supply chain, human resources, entrepreneurship, economics, and business plans. Students will work in small groups throughout the semester to develop a simple business idea and plan as they learn about each part of running a small business. All students can benefit regardless of their future endeavors. <b>Membership in FBLA is encouraged.</b> <b>3 WSU Credits - BSAD 1010 / WSU Elective Credit - General Ed.</b></p>
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<p><b>7555 Leadership Principles 1</b> SEMESTER Elective Credit (11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u> Become a Leader. Upgrade the current you. Create and experience Leadership. Develop goals, team building activities, organizational skills, time management and Invent the future leader you could become. This course is designed for Juniors and Seniors interested in leadership. Topics include goal setting, team building, organizational skills, and time management. <b>Membership in FBLA is encouraged.</b></p>
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## Computer Science

**(Courses count towards 2 years Engineering Credit)**

<p><b>7740 - Computer Science Principles</b> SEMESTER Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u> The course places emphasis on the principles of computer science rather than just programming. 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 Python, database, software engineering, networking, and more.</p>
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<p><b>7718 - CE Computer Science Principles</b> SEMESTER Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> University requirements for enrollment in CE courses must be met. <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> The course introduces students to the fundamentals of computer programming and a brief broad overview of other topics they might encounter within a Computer Science curriculum. Students will learn to design, code, and test their own programs while applying mathematical concepts and problem-solving skills. <b>4 WSU Credits - CS 1030 / WSU Elective Credit - General Ed.</b></p>
<p><b>7736 - CE Comp. Programming I</b> SEMESTER Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> CS 1030 CE Computer Programming I <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> This course reviews and builds on the basic operating system navigation and components of the program development process introduced in the previous course. The majority of the course covers basic problem solving and program design of a software application using the Java programming language. <b>4 WSU Credits - CS 1400 / WSU Elective Credit - General Ed.</b></p>
<p><b>7737 - CE Advanced Computer Programming</b> SEMESTER Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> CS 1400 Computer Programming II <b>WSU registration &amp; course fees apply</b> <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 services 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 currently C++. <b>THIS COURSE IS TAUGHT BY WSU AS A CONCURRENT ENROLLMENT COURSE.</b> <b>4 WSU Credits - CS 1410 / WSU Elective Credit - General Ed.</b></p>
<p><b>7711 - CE Algorithms &amp; Data Structure</b> SEMESTER Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> CS 1410 Computer Programming II. <a href="#">MATH 1080</a> or <a href="#">MATH 1050</a> and <a href="#">MATH 1060</a> . <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> General principles of common data structures and design of efficient algorithms. Topics include: arrays, linked-lists, stacks, queues, trees, graphs, tables, storage and retrieval structures, searching, sorting, hashing, and algorithmic analysis. Emphasis will be on abstraction, efficiency, reusable code, and object-oriented implementation. <b>THIS COURSE IS TAUGHT BY WSU AS A CONCURRENT ENROLLMENT COURSE.</b> <b>4 WSU Credits - CS 2420 / WSU Elective Credit - General Ed.</b></p>

# Digital Literacy

(.5 credits for graduation)

<p><b>7530- CE Business Office Specialist</b> SEMESTER Digital Learning OR Elective (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u> <b>WSU registration &amp; course fees apply</b> This is the class that helps you learn everything you need to survive with Microsoft Office, including PowerPoint, Excel, Word and Access all in one semester. Students may earn CE credit and are given the opportunity to earn Microsoft Office Specialist (MOS) industry certifications. <b>Membership in FBLA is encouraged.</b> <b>3 WSU Credits - WEB 1700 / WSU Elective Credit - General Ed.</b></p>
<p><b>7740 - Computer Science Principles</b> SEMESTER Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u> The course places emphasis on the principles of computer science rather than just programming. 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 Python, database, software engineering, networking, and more.</p>
<p><b>7718 - CE Comp. Programming 1</b> SEMESTER Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> University requirements for enrollment in CE courses must be met. <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> The course introduces students to the fundamentals of computer programming and a brief broad overview of other topics they might encounter within a Computer Science curriculum. Students will learn to design, code, and test their own programs while applying mathematical concepts and problem-solving skills. <b>4 WSU Credits - CS 1030 / WSU Elective Credit - General Ed.</b></p>

# Driver's Education

<p><b>1100 - Driver's Ed.</b> SEMESTER Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p> <p>Course Fees: \$160 Regular school day \$250 Online</p>	<p><u>Course Description:</u> The Driver's Education class is taught as an elective, semester course during the regular school day. There is also an online option available throughout the school year as well as during the summer.</p> <p>Students will complete road driving with NUAMES high school driving instructors. All road driving will be done before or 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 learner permit prior to starting the Driver's 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>
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# Engineering

(2 years required for graduation)

<p><b>7888/89 – CE PLTW Introduction to Engineering Design (IED)</b> YEAR Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</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. <b>Membership in TSA and/or Robotics is encouraged.</b> <a href="#">3 WSU Credits - PDD 1010 / WSU Elective Credit - General Ed.</a></p>
<p><b>7890/91 – CE PLTW Principles of Engineering (POE)</b> YEAR Engineering Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</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. <b>Membership in TSA and/or Robotics is encouraged.</b> <a href="#">2 WSU Credits - ENGR 1000 / WSU Elective Credit - General Ed.</a></p>
<p><b>7892/93 – CE PLTW Digital Electronics Technology (DE)</b> YEAR Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</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. <b>Membership in TSA and/or Robotics is encouraged.</b> <a href="#">6 WSU Credits - EET1110 and EET 1130 / WSU Elective Credit - General Ed.</a></p>
<p><b>7894/95 – CE PLTW Civil Engineering</b> YEAR Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> Intro to Engineering Design <u>Course Description:</u> This course is a year long course that prepares students for careers in the Architecture, Engineering, and Construction (AEC) Industry. This course includes instruction in 3D Computer Aided Design (CAD) software to design and model a small residential home with an emphasis on residential methods and materials of construction, codes, and Building Information Modeling (BIM). <b>Membership in TSA and/or Robotics is encouraged.</b> <a href="#">6 WSU Credits - BDC 1350 and CMT 2360 / WSU Elective Credit - General Ed.</a></p>

<p><b>7835 - PLTW Aerospace Engine YEAR Engineering Credit (11<sup>th</sup>, 12<sup>th</sup>)</b></p>	<p><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.</p>
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**Robotics - Robotics courses count for *Elective Credit*.**

<p><b>7885/86 - Robotics and Automation YEAR Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</b></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

**(4.0 credits for graduation)**

<p><b>4080 - English 10 YEAR English Credit (10<sup>th</sup>)</b></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><b>4100 - English 11 YEAR English Credit (11<sup>th</sup>)</b></p>	<p><u>Course Description:</u> This course will help students develop real-world 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 use the entire composition process to develop skills in writing narratives and poetry, persuasive essays, interpretative essays, and research skills. There will be a strong focus on literary analysis, critical thinking skills, and respectful dialogue. Students will prepare for college entrance exams by focusing on grammar, mechanics, usage and daily oral language exercises.</p>
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<p><b>4315 - AP English Literature and Composition YEAR</b></p>	<p><u>Prerequisites</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</p>
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<p>English Credit (11<sup>th</sup>, 12<sup>th</sup>)</p> <p>Refer to the AP credit guide for college credit.</p>	<p>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. A minimum of five longer works of fiction will be read, including novels and plays, that cover the time period from the 1600s in England to modern-day American literature. In addition, numerous short stories and poems will be discussed. There will be a strong focus on literary analysis, critical thinking skills, and respectful dialogue.</p>
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<p><b>4150 - English 12</b> YEAR English Credit (12<sup>th</sup>)</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. The course will also focus on the 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><b>4295-CE English 1010</b> SEMESTER English Credit (12<sup>th</sup>) 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). <b>WSU registration &amp; course fees apply</b> <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. <a href="#">3 WSU Credits - ENGL 1010 / WSU Elective Credit - General Ed.</a></p>
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<p><b>4300 - CE English 2010</b> <b>CE Info. Literacy</b> SEMESTER English/Elective Credit (12<sup>th</sup>) 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) <b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> This course integrates two general education courses that contribute to one another both intellectually and conceptually. Information literacy provides a solid foundation for the writing process and encompasses the reflective discovery of information, the understanding of how information is produced and valued, the use of information in creating new knowledge, and the ability to participate ethically in the conversation. <a href="#">4 WSU Credits - ENGL 2010 / WSU Composition - General Ed.</a> <a href="#">LIBS 1704 / WSU Information Literacy - General Ed.</a></p>
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## Financial Literacy

(.5 credits for graduation)

<p><b>7075 - General Financial Literacy</b> SEMESTER <b>Required</b> <b>Fin. Literacy Credit</b> (11<sup>th</sup>, 12<sup>th</sup>)</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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# Fitness for Life

(.5 credits for graduation)

<p style="text-align: center;"><b>1030 - Fitness for Life SEMESTER</b></p> <p style="text-align: center;">Required PE Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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>
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## Foreign Language

*\*University of Utah is the only public college in Utah that requires foreign language. Foreign Language is not required for high school graduation however, it is recommended for college admission. Regents Scholarship requires 2 years of the same foreign language to be completed in grades 9-12.*

<p style="text-align: center;"><b>3110 - Spanish 1 YEAR</b></p> <p style="text-align: center;">Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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 style="text-align: center;"><b>3120 - Spanish 2 YEAR</b></p> <p style="text-align: center;">Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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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<p style="text-align: center;"><b>3182 - Spanish 3 YEAR</b></p> <p style="text-align: center;">Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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.</p>
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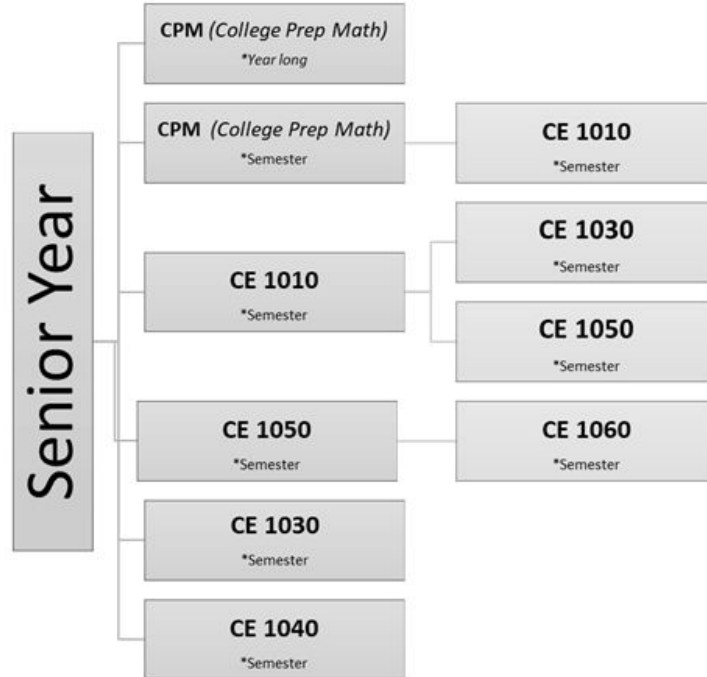
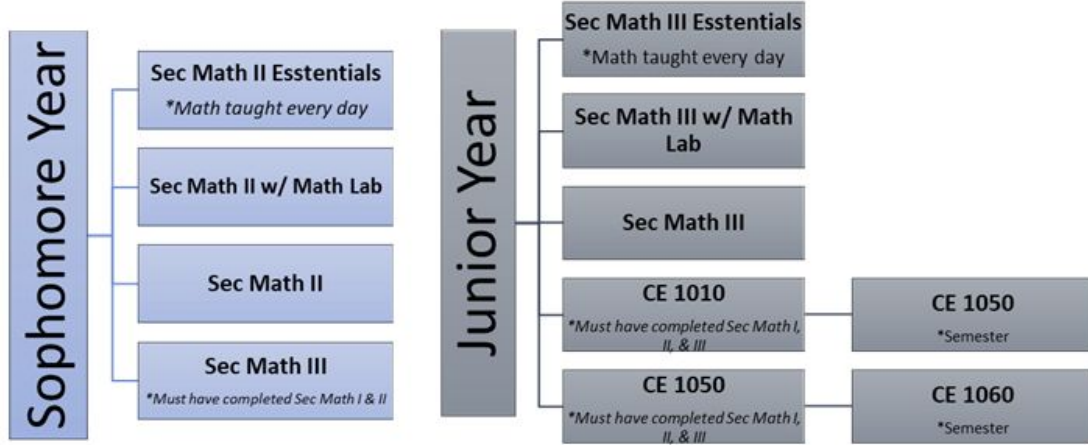
# Health

(.5 credits for graduation)

<p><b>1010 - Health Education 2 SEMESTER</b> Required Health Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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><b>7308 - Introduction to Health Sciences YEAR</b> Meets Required Health Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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>

# Mathematics

(4.0 credits for graduation)



<p><b>5300 &amp; 5301</b>  <b>Secondary Math 2-A</b>  <b>and Essentials</b>  YEAR  Math &amp; Elective Credit  (10<sup>th</sup>)  *Enrollment in both  courses is required</p>	<p><u>Prerequisite:</u> Math Placement Test, teacher &amp; counselor recommendation  <u>Course Description:</u>  This course is intended to increase student understanding and achievement by increasing time, intensity and access to high-cognitive rigor for on-grade level core standards. Students who need a slower pace, additional instruction and exposure to the course content will benefit from the course. Students will become proficient in gaining and building success in math skills. This course reinforces Secondary Math 1 skills and prepares students to enter Secondary Math 3.</p>
<p><b>5300 -</b>  <b>Secondary Math 2</b>  YEAR  Math Credit  (10<sup>th</sup>, 11<sup>th</sup>)</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>
<p><b>5400 &amp; 5401</b>  <b>Secondary Math 3-A</b>  <b>and Essentials</b>  YEAR  Math Credit  ( 11<sup>th</sup>, 12<sup>th</sup>)  *Enrollment in both  courses is required</p>	<p><u>Prerequisite:</u> Secondary Math 2, teacher &amp; 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 .</p>
<p><b>5400 -</b>  <b>Secondary Math 3</b>  YEAR  Math Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Prerequisite:</u> Secondary Math 2  <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><b>5850 -</b>  <b>College Prep Math</b>  YEAR  Math Credit  (12<sup>th</sup>)</p>	<p><u>Prerequisite:</u> Secondary Math 3  <u>Course Description:</u>  College Prep Math formalizes and reinforces concepts from the Secondary Mathematics series to provide students with the foundational skills and understanding prerequisite to College Algebra (1050). Students will reason abstractly and quantitatively while solving linear and quadratic equations and linear inequalities. They will efficiently use polynomial and rational expressions and functions, radicals and complex numbers, and exponential and logarithmic expressions and functions to model and solve mathematical problems. They will explore conic sections and represent parabolic data.</p>

<p><b>5610 - CE Math 1010</b>  <b>Intermediate Algebra</b>  SEMESTER  Math Credit  (11<sup>th</sup>, 12<sup>th</sup>)</p> <p>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 or Aleks:30-45</p> <p><b>WSU registration &amp; course fees apply</b></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>4 WSU credits - MATH 1010 / WSU Elective Credit</p>
<p><b>5620 - CE Math 1030</b>  <b>Quantitative Literacy</b>  SEMESTER  Math Credit  (12<sup>th</sup>)</p> <p>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 or Aleks: 46-100</p> <p><b>WSU registration &amp; course fees apply</b></p> <p><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>3 WSU credits - MATH 1030 / WSU Quantitative Literacy (QL) - General Ed.</p>
<p><b>5630 - CE Math 1040</b>  <b>Introductory Statistics</b>  SEMESTER  Math Credit  (11<sup>th</sup>, 12<sup>th</sup>)</p> <p>CE Fees:  SLCC Admissions &amp;  \$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.</p> <p><b>SLCC registration &amp; course fees apply</b></p> <p><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>3 SLCC credits - MATH 1040 / WSU Quantitative Literacy (QL) - General Ed.</p>
<p><b>5640 - CE Math 1050</b>  <b>College Algebra</b>  SEMESTER  Math Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p> <p>CE Fees:  WSU \$5 per credit</p>	<p><u>Prerequisite:</u> 1. Secondary Math 1, 2, 3 average grade of “C”, <b>AND</b>  2. ACT Math score of 23 or higher, <b>OR</b>  Taken WSU Accuplacer Test with CLM Score of 50-69 <b>OR</b>  Passed CE Math 1010 with “C” or better</p> <p><b>WSU registration &amp; course fees apply</b></p> <p><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>4 WSU credits - MATH 1050 / WSU Quantitative Literacy (QL) - General Ed.</p>

<p><b>5660 - CE Math 1060</b>  <b>Trigonometry</b>  Semester  Math Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)  CE Fees:  USU Admissions &amp;  \$5 per credit</p>	<p><b>USU registration &amp; course fees apply</b>  <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> <p><b>2 USU credits - MATH 1060 / WSU Elective Credit</b></p>
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## Physical Education (PE)

(.5 credits for graduation)

**Athletic Sports Participation** - Students may earn .5 credit for participation in a complete season of a UHSAA sanctioned sport. A letter from the coaching staff is required to receive credit.

<p><b>1050 -</b>  <b>Body Conditioning</b>  Semester  PE Credit  (11<sup>th</sup>, 12<sup>th</sup>)</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>
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<p><b>1040 -</b>  <b>Lifetime Activities</b>  Semester  PE Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><u>Course Description:</u>  Students 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>
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## Released Time

<p><b>Released Time</b>  850/Year  No Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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

(4.0 credits for graduation)

## 4<sup>th</sup> YEAR SCIENCE CREDIT OPTIONS

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

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

## LIFE SCIENCES

<p><b>6201</b>  <b>Honors Biology</b>          YEAR          Science Credit          (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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>
<p><b>6230 - AP Biology</b>          YEAR          Science Credit          (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p> <p>Refer to the AP credit guide for college credit.</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 <b>MANDATORY</b> AP Biology Lab after school hours. Students that successfully complete all lab requirements will receive an additional .5 Science credit.  <b>College credit may be obtained by successfully completing the course and by passing a required AP Examination.</b></p>
<p><b>6950 -</b>  <b>CE Biology 1010</b>          YEAR          Science Credit          (11<sup>th</sup>, 12<sup>th</sup>)</p> <p>CE Fees:          SLCC Admissions &amp;          \$5 per credit  <i>Lab and Material Fee:</i>          \$20.00</p>	<p><u>Prerequisite:</u> Biology with a passing class grade of B or above.  <b>SLCC registration &amp; course fees apply</b>  <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.          4 SLCC credits - BIO 1010 / WSU Life Science (LS) - General Education          BIO 1015 Lab</p>

<p><b>7309 - CE MEDICAL ANATOMY &amp; PHYSIOLOGY</b>  CE Fees:  WSU \$5 per credit  Must purchase CE textbook</p>	<p><b>WSU registration &amp; course fees apply</b>  <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.  5 WSU credits - HTHS 1101 / WSU Elective Credit  HTHS 1120</p>
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<p><b>6262 - Zoology</b>  YEAR  Science Credit  (11<sup>th</sup>, 12<sup>th</sup>)</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>
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<p><b>7463 - CE – Foundations of Nutrition</b>  SEMESTER  Science Credit  (11<sup>th</sup>, 12<sup>th</sup>)  CE Fees:  WSU \$5 per credit  Fees \$140.00 Book is required</p>	<p><b>WSU registration &amp; course fees apply</b>  <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.  3 WSU credits - NURT 1020 / WSU Life Science (LS) General Ed.</p>
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**PHYSICAL SCIENCES**

<p><b>6401 - Honors Chemistry</b>  YEAR  Science Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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><b>6430 - AP Chemistry</b>  YEAR  Science Credit  (11<sup>th</sup>, 12<sup>th</sup>)  Refer to the AP credit guide for college credit.</p>	<p><u>Course Description:</u>  The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.</p>
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<p><b>6501 - Honors Physics</b> YEAR Science Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p><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><b>6540 - CE Physics</b> YEAR Science Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><b>WSU registration &amp; course fees apply</b> <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.  <a href="#">3 WSU credits - PHYS 1010 / WSU Physical Science (PS) General Ed.</a></p>
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## Social Studies

**(3.0 credits for graduation)**

<p><b>4540 - World History</b> YEAR Social Studies Credit (10<sup>th</sup>, 11<sup>th</sup>)</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><b>4592 - AP European History</b> YEAR Social Studies Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)  <a href="#">Refer to the AP credit guide for college credit.</a></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 21<sup>st</sup> 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><b>4550 - U.S. History</b> YEAR Social Studies Credit (11<sup>th</sup>)</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 20<sup>th</sup> 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><b>4555 - CE History 1700</b> SEMESTER Social Studies Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> B or above grade in previous Social Studies Class <b>WSU registration &amp; course fees apply</b> <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). <b>3 WSU credits - HIST 1700 / WSU American Institutes (AI) General Ed.</b></p>
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<p><b>4566 - CE US GOV</b> SEMESTER Social Studies Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Prerequisite:</u> B or above grade in previous Social Studies Class <b>WSU registration &amp; course fees apply</b> <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. <b>3 WSU credits - POLS 1100 / WSU American Institutes (AI) General Ed.</b></p>
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<p><b>4560 - U.S. Government and Citizenship</b> SEMESTER <b>Required US Gov Credit</b> (11<sup>th</sup>, 12<sup>th</sup>)</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><b>401</b> <b>STUDY SKILLS – SPECIAL EDUCATION</b> YEAR Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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><b>407 - ACT Prep</b> SEMESTER Elective Credit Required for Grade 10</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><b>7690</b>  <b>Law Enforcement</b>  SEMESTER  Elective Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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 &amp; court procedures, dating violence, K-9 demo, identity theft, internet safety, investigations, alcohol &amp; drug awareness, sexual assault awareness, crimes against property &amp; persons, escalation of force and traffic stops &amp; DUI.</p>
<p><b>4570 - Psychology</b>  SEMESTER  Elective Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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><b>4573 -</b>  <b>CE Psychology</b>  SEMESTER  Elective Credit  (11<sup>th</sup>, 12<sup>th</sup>)  CE Fees:  WSU \$5 per credit</p>	<p><b>WSU registration &amp; course fees apply</b>  <u>Course Description:</u>  A general introduction to the basics of human behavior from the perspective of modern scientific psychology. We will review what psychology has to say about: personality, motivation, learning, memory, thinking, intelligence, sensation &amp; perception, human development, the brain and physiology of behavior, psychological problems &amp; treatment, language, social interaction, group behavior, and consciousness.  3 WSU credits - PSY 1010 / WSU Social Sciences (SS) - General Ed.</p>
<p><b>4365 - Yearbook</b>  YEAR  Elective Credit  (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</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><b>4290 –</b>  <b>CE Interpersonal</b>  <b>Communications</b>  SEMESTER  Elective Credit  (11<sup>th</sup>, 12<sup>th</sup>)  CE Fees:  WSU \$5 per credit</p>	<p><b>WSU registration &amp; course fees apply</b>  <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 course content to enhance interpersonal relationships and to achieve competence as group members.  3 WSU credits - COMM 2110 / WSU Humanities (HU) - General Ed.</p>

<p><b>7896 Engineering Capstone</b> SEMESTER (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><u>Course Description:</u> Students can utilize this course to complete their Senior Capstone Project in any field of Engineering. Students will research, develop, test and analyze designs using criteria such as cost, effectiveness, safety, human factors, and ethics. Effective technical communication skills, including written, oral and graphic will be developed. <b>Membership in TSA and/or Robotics is encouraged.</b> <a href="#">3 WSU Credits - PDD 2830 / WSU Elective Credit - General Ed.</a></p>
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<p><b>7303 -CE Emergency Medical Response</b> SEMESTER Elective Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> This class is a great starting point for those who are interested in the medical field, law enforcement, EMT, or anyone who wants to know how to respond in an emergency situation. Meets the needs of the non-health care professional who has a duty to respond in an emergency. Provides more skills and in-depth training than the First Aid: Responding to Emergencies course. Course leads to American Red Cross certification in Emergency Response and CPR for the Professional Rescuer. <a href="#">3 WSU Credits - HLTH 2300 / WSU Elective Credit - General Ed.</a></p>
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<p><b>7417 - CE - Human Development</b> YEAR Elective Credit (11<sup>th</sup>, 12<sup>th</sup>) CE Fees: WSU \$5 per credit</p>	<p><b>WSU registration &amp; course fees apply</b> <u>Course Description:</u> An introductory course which addresses the developmental aspects of individuals across the lifespan. Course content encompasses the study of biological, cognitive, social, and emotional developmental changes of the healthy individual in the context of the family and society. It emphasizes and demonstrates the vital connections between theory, research, and application. <a href="#">3 WSU credits - CHF 1500 / WSU Social Sciences (SS) and Diversity - General Ed.</a></p>
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<p><b>214 -LIA (Latinos in Action) Peer Leadership</b> SEMESTER Elective Credit (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>)</p>	<p>This is a service-learning class, where students will be trained in mentoring techniques, primarily in reading. These mentoring techniques are applied as the students go to a local elementary school to assist teachers by mentoring English Language Learners and other students in their classrooms. Students will be expected to volunteer in a variety of situations outside of normal class time as well. Students will also receive specific training in Reading, Writing, Speaking, Listening, Presentation, Goal setting, Time Management, and Interpersonal skills. The class is open to students of any ethnicity.</p>
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## Off Campus Opportunities

<p><b>7912 - CTE Internship</b> SEMESTER Elective Credit (11<sup>th</sup>, 12<sup>th</sup>)</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.</p> <ul style="list-style-type: none"> <li>• Internship application is required.</li> </ul>
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<b>600 - Home Release SEMESTER NO CREDIT (12<sup>th</sup>)</b>	<p><u>Course Description:</u> Requires permission form signed by counselor and parent. Students taking home release must be on-track to graduate. <b>PARENT and COUNSELOR permission is required.</b></p>
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<b>Magnet Courses SEMESTER</b>	<p><u>Course Description:</u> Magnet courses are taught at other District High Schools. If NUAMES does not have a class of interest or the period that a class is offered does not fit your schedule, consider taking a Magnet course at another school. Please see your counselor for course offerings prior to the first day of school. <b>Students may magnet to another school for ONLY one course per semester.</b></p>
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<b>UTECH Colleges DATC/OWATC Elective Credit (11<sup>th</sup>, 12<sup>th</sup>) Skills Training Courses</b>	<p><b>\$40.00 UTech registration fee required plus individual course fees &amp; materials</b> Students wishing to develop job related skills can enroll in courses at the Davis Technology College or the Ogden Weber Technology College. <u>Pre-requisites to apply:</u> 85 percent attendance at LHS, 2.0 GPA at LHS recommended, NO 'U's, student provided transportation / bus pass, on-track for graduation, an opening in the student's schedule that allows for a minimum of two class periods to be taken at the Tech College, completed Tech College program prerequisite courses, and meet with counselor for further DTC program contact information.</p>
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UTECH COURSE CODES		
8001 - Accounting	8008 Architectural and Engineering Design 1	8049 Automation and Robotics (AM STEM) Industrial Maintenance Technician
8002 ASE Chassis	8004 Barbering	8005 Esthetician/Skin Care
8006 Business Office Specialist	8009 CAD MECH Design 2	8010 Composite Materials
8018 Cosmetology	8020 Culinary Arts	8025 Cyber Security
8030 Dental Assisting	8035 Diesel 1 Tech	8040 Electrician
8044 EMT	8045 Fire Science	8099 Welding Technician
8060 Intro Construction	8052 Intro to Info Tech	8055 Intro to Automotive
8066 MFR Principles 1	8063 Machining 1	8064 Machining 2
8080 Pharmacy Tech	8070 Medical Assistant	8078 CNA / Nurse Assistant
8093 Web Development	8083 Plumbing	8086 Software Development