

COURSES	C.E. COLLEGE CREDITS & INDUSTRY CERTIFICATION	COURSE PREREQUISITES OR COREQUISITES	DESCRIPTION/RECOMMENDED COURSE SEQUENCE
<b>AVIATION TECHNOLOGY</b>			
<b>AVIATION 1<sup>ST</sup> YEAR STUDENTS - BLOCK #1 – These courses are blocked together for 2 periods</b>			
<b>Course 1:</b> Aviation History CE (Full year – 1 credit) <b>Course 2A:</b> Air Transportation CE (Semester – 0.5 credit) <b>Course 2B:</b> U.A.S. (Drones) (Semester – 0.5 credit)	UVU: AVSC 1010 ( <i>Survey of Aviation Science</i> ) - 2 credits  UVU: AVSC 2150 ( <i>Air Transportation Management</i> ) – 3 credits	Open to Sophomores, Juniors & Seniors	Each blocked series gives students foundational knowledge prior to actual flight training. Students will, however, get virtual flight experience through our flight simulator.  <i>(Actual flight training hours, testing, and costs are separate from this program.)</i>
<b>AVIATION 1<sup>ST</sup> YEAR STUDENTS - SENIORS ONLY - BLOCK #2 – These courses are blocked together for 2 periods</b>			
<b>Course 1:</b> Aviation History CE (Full year – 1 credit) <b>Course 2:</b> Private Pilot CE (Full year – 1 credit)	UVU: AVSC 1010 ( <i>Survey of Aviation Science</i> ) - 2 credits UVU: AVSC 1100 ( <i>Ground Private Pilot</i> ) – 4 credits	Required: Seniors only	When students have taken the full two-year program, students will be prepared for the written exam for the Ground Private Pilot's license. Some of these courses also fulfill course major requirements at UVU.
<b>AVIATION 2<sup>ND</sup> YEAR STUDENTS - BLOCK #3 – These courses are blocked together for 2 periods</b>			
<b>Course 1:</b> Flight Simulator (Full year – 1 credit) <b>Course 2A:</b> Air Transportation CE (Semester – 0.5 credit) <b>Course 2B:</b> U.A.S. (Drones) (Semester – 0.5 credit)	UVU: AVSC 2150 ( <i>Air Transportation Management</i> ) – 3 credits	Must be a 2 <sup>nd</sup> year Aviation student	
<b>BUILDING CONSTRUCTION</b>			
<b>CARPENTRY BLOCK - These courses are BLOCKED TOGETHER for 2 periods</b>			
<b>Course 1:</b> Carpentry 1 CE (Full year – 1 credit) <b>Course 2:</b> Carpentry 2 (Full year – 1 credit)	UVU: CMGT 1190 ( <i>Framing &amp; Concrete Lab</i> ) - 3 credits UVU: CMGT 1220 ( <i>Finishing Lab</i> ) – 3 credits	Required: Students must be a junior or a senior and provide their own transportation to the job site.	Students are involved in the construction of a home while being supervised by a licensed contractor. Tools are provided.  <i>Classes are offered the last two periods of each day. Students can choose to attend either A day, B day, or both.</i>
<b>BUSINESS MANAGEMENT</b>			
<b>Business Law</b> (Semester – 0.5 credit)		Required: Be a junior or senior	Students will learn the marketing and management principles necessary to start and operate their own business, as well as the laws that govern business.  <i>Our classes in Entrepreneurship and Business Law will help students fulfill classes for the Entrepreneurship and Management Pathway.</i>
<b>Entrepreneurship</b> (Semester – 0.5 credit)			
<b>COMPUTER INFORMATION TECHNOLOGY</b>			
<b>Course 1:</b> A+ Computer Repair & Maintenance (Full year – 1 credit)	Industry Certification: A+	Required: Computer Technology or Exploring Computer Science	Our IT program is meant for students who enjoy exploring technology, learning how to repair and maintain computers, as well as building a network. IT positions are wanted in every industry throughout the world. Students can earn industry certification when passing qualifying exams.  <i>These classes are part of the study of Information Technology and allow students to complete classes in the Network &amp; IT Support CTE pathway.</i>
<b>Course 2A:</b> Intro to Info Tech (1 <sup>st</sup> Semester - .5 credit) <b>Course 2B:</b> Network+ Fund (2 <sup>nd</sup> Semester - .5 credit)	Industry Certification: Network+	Required: Computer Technology or Exploring Computer Science	
<b>COMPUTER PROGRAMMING</b>			
<b>Computer Program 1 CE</b> (Full year – 1 credit)	UVU: CS 1030 & 1400 ( <i>Foundations of Comp. Sci. &amp; Fund. of Programming</i> ) - 6 credits	Required: Sec Math 1 & either Exploring Comp Sci or Comp Tech	For students who enjoy technology & want to learn how to design and create computer programs. Students should take Computer Prog 1, Computer Prog 2, and Data Structures in that order.  <b>Suggested courses to pair with a Programming course each year:</b> <ul style="list-style-type: none"> <li>▶▶ A+ (Comp Hardware &amp; Repair) or Network+</li> <li>▶▶ Digital Media</li> <li>▶▶ Engineering courses</li> <li>▶▶ Gaming App Dev 1 &amp; 2</li> <li>▶▶ HTML</li> <li>▶▶ Robotics 1 or Manufacturing</li> </ul> <i>These classes are part of the study in Info. Technology and allow students to complete the Programming/Software Development CTE pathway.</i>
<b>Computer Program 2 CE</b> (Full year – 1 credit)	UVU: CS 1410 ( <i>Object-Oriented Programming</i> ) - 3 credits	Required: Computer Programming 1 & Sec Math 2	
<b>Algorithms &amp; Data Structures CE (Comp Programming 3)</b> (Full year – 1 credit)	UVU: CS 2420 ( <i>Intro to Algorithms &amp; Data Structures</i> ) - 3 credits	Required: Computer Program 2	
<b>Gaming App Dev Fund 1 CE</b> (Semester – .5 credit)	UVU: DGM 1610 ( <i>Scripting for Animation and Games</i> ) - 3 credits	Required: Computer Prog 1 or Digital Media 1 (can be taken at the same time)	
<b>Gaming App Dev Fundamentals 2</b> (Semester – .5 credit)		Required: Gaming App Dev 1	

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<b>COURSES</b>	<b>C.E. COLLEGE CREDITS &amp; INDUSTRY CERTIFICATION</b>	<b>COURSE PREREQUISITES OR COREQUISITES</b>	<b>DESCRIPTION/RECOMMENDED COURSE SEQUENCE</b>
<b>CRIMINAL JUSTICE</b>			
<b>Course 1A:</b> <b>CJ 1010 Law Enforcement CE</b> (1 <sup>st</sup> Semester - .5 cr) <b>Course 1B:</b> <b>CJ 1340 Crim Investigations CE</b> (2 <sup>nd</sup> Semester - .5 cr)	UVU: CJ 1010 ( <i>Intro to Criminal Justice</i> ) - 3 credits  UVU: CJ 1340 ( <i>Criminal Investigations</i> ) – 3 credits	Required: For juniors and seniors only	Students are introduced to the field of Criminal Justice and its corrections system within the United States. Classes will include guest speakers, field trips, & other related topics. Courses fulfill either G.E. or major requirements at UVU other state colleges.  We encourage students to take: ▶▶ Intro to Criminal Justice (Sem 1) ▶▶ Criminal Investigations (Sem 2)  Then pair another class like: ▶▶ Criminal Law ▶▶ Medical Forensics ▶▶ Psychology  These classes are in the area of Law, Public Safety, Corrections & Security and allow students to fulfill classes in the CTE Protective Services pathway.
<b>CJ 1330 Criminal Law CE</b> (Full Year - 1 credit)	UVU: CJ 1330 ( <i>Criminal Law</i> ) – 3 cr	Required: For juniors and seniors only	
<b>CJ 1350 Medical Forensics CE</b> (Full Year - 1 credit)	UVU: CJ 1350 ( <i>Intro to Forensic Science</i> ) - 3 credits	Required: For juniors and seniors only	
<b>DIGITAL MEDIA</b>			
<b>**DIGITAL MEDIA CORE:</b> <b>Digital Media 1 CE</b> (Full year – 1 credit)	UVU: DGM 1110 ( <i>Digital Media Essentials</i> ) - 4 credits	Required: Comp Tech or Exploring Comp Science	NOTE: **Digital Media 1 must be taken either before or at the same time as all Digital Media courses EXCEPT for: Radio Broadcasting, Video, or Web Development.
<b>Audio Essentials CE</b> (Full year – 1 credit)	UVU: DGM 2130 ( <i>Digital Audio Essentials</i> ) – 3 credits	Required: Sec Math 1 Honors or Sec Math 2 AND Digital Media 1 (which can be taken at same time)	
<b>Digital Media 2</b> (Full year – 1 credit) This course is paired with either 3D Graphics & Animation or Video Production 2. Students can take Digital Media 2 as a stand-alone class but not when paired with Video Production 2. Student must also take Dig Media 2.		Required: Digital Media 1	Digital Media teaches students to design and create interactive projects in graphics, animation, sound, video, and audio.  Suggested 1 <sup>st</sup> Year Courses: ▶▶ Digital Media 1 ▶▶ Gaming App Dev ▶▶ HTML 5 ▶▶ Radio Broadcasting 1 & 2  Suggested 2 <sup>nd</sup> Year Courses: ▶▶ 3D Graphics/3D Animation ▶▶ Audio Essentials ▶▶ Digital Media 2 ▶▶ TV Broadcasting 2
<b>HTML 5 CE</b> (Semester – .5 credit)	UVU: DGM 1600 ( <i>Introduction to Scripting</i> ) - 3 credits	Corequisite or Prerequisite Required: Digital Media 1 or Computer Programming 1	
<b>Course 1A:</b> <b>Radio Broadcasting 1</b> (1 <sup>st</sup> Semester - .5 cr) <b>Course 1B:</b> <b>Radio Broadcasting 2</b> (2 <sup>nd</sup> Semester - .5 cr)			
<b>TV Broadcasting 2 CE</b> (Blocked for 2 periods for a Semester but student can also take it for a Full Year, blocked for the same two periods.)	UVU: DGM 1520 ( <i>Corporate &amp; Documentary Production</i> ) – 3 credits	Prerequisite: TV Broadcasting 1 or Video Prod 1	Most of these classes are in the area of Information Technology. Students can earn CTE Pathways in both Digital Media and Web Development & Administration.
<b>3D GRAPHICS/ANIMATION BLOCK - These courses are BLOCKED TOGETHER for 2 periods</b>			
<b>Course 1: Digital Media 2</b> (Full year – 1 credit) <b>Course 2A:</b> <b>3D Graphics</b> (1 <sup>st</sup> Semester - .5 credit) <b>Course 2B:</b> <b>3D Animation</b> (2 <sup>nd</sup> Semester - .5 credit)	UVU: DGM 1660 ( <i>Introduction to 3D Modeling and Surfacing</i> ) - 3 credits  UVU: DGM 1620 ( <i>Survey of Animation</i> ) - 3 credits	Required: Digital Media 1	Some classes also cross over in the study of Skilled & Technical Services and can help students fulfill a variety of CTE pathways in that area.

COURSES	C.E. COLLEGE CREDITS & INDUSTRY CERTIFICATION	COURSE PREREQUISITES	DESCRIPTION/RECOMMENDED COURSE SEQUENCE
<b>ENGINEERING &amp; MANUFACTURING – BEGINNING COURSES</b>			
Civil Engineering & Architecture (PLTW) (Full Year - 1 credit)			<p>These courses provide students with foundation knowledge for NEW students interested in architecture, engineering, manufacturing, and/or robotics.</p> <p><i>These classes are in the area of Technology and Engineering Education and help students begin CTE pathways in CAD Mechanical Design, Mechanical Engineering, and Robotics.</i></p>
Introduction to Engineering Design CE (PLTW) (Full year – 1 credit)	WSU: DET 1010 ( <i>Introduction to Engineering and Technical Design</i> ) – 3 cr		
Manufacturing Principles 1 (Semester - .5 credit)			
Robotics 1 (Semester - .5 credit)			
<b>ENGINEERING &amp; MANUFACTURING – ADVANCED COURSES</b>			
CAD Mechanical 3 CE (Semester - .5 credit)	WSU: DET 1160 ( <i>Geometric Dimensioning &amp; Tolerancing Using 3D CAD</i> ) – 3 credits	Required: <i>Introduction to Engineering Design or CAD Mechanical Design 1 &amp; 2</i>	<p>These courses are open to any 2<sup>nd</sup> or 3<sup>rd</sup> year Engineering students who meet the prerequisites.</p> <p><i>These classes are in the area of Technology and Engineering Education and help students fulfill CTE pathways in CAD Mechanical Design, Mechanical Engineering, and/or Robotics.</i></p>
Senior Capstone: Engineering Design & Development PLTW (Full year – 1 credit)	WSU: DET 2460 ( <i>Engineering Design &amp; Development</i> ) – 3 credits	Required: <i>Introduction to Engineering Design and be a senior For CE credit, students must have both DET 1010 &amp; 1160</i>	
Engineering Principles 1 (Sem 1) (Semester - .5 credit) Engineering Principles 2 CE (Sem 2) (Semester - .5 credit)	WSU: ENGR 1000 ( <i>Intro to Engineering</i> ) – 2 credits	Required: <i>Intro to Engineering Design or CAD Mechanical Design 1</i>	
Manufacturing Principles 2 (Semester - .5 credit)		Required: <i>Manufacturing Principles 1 or Computer Integrated Manufacturing</i>	
<b>HEALTH SCIENCE</b>			
Emergency Medical Responder CE (Semester – .5 credit)	UVU: HLTH 1200 ( <i>First Aid</i> ) - 2 credits	Required: <i>For juniors and seniors, sophomores by exception.</i>	<p><i>These classes are in the area of Health Science Education and can help students fulfill a variety of CTE pathways.</i></p> <p>Please follow required prerequisites for all Health Science courses.</p>
Medical Terminology CE (Semester – .5 credit)	UVU: HLTH 1300 ( <i>Medical Terminology</i> ) - 2 credits	Required: <i>For juniors and seniors, sophomores by exception.</i>	
Medical Forensics CE (Full Year – 1 credit )	UVU: CJ 1350 ( <i>Intro to Forensic Science</i> ) – 3 credits	Required: <i>For juniors and seniors, sophomores by exception.</i>	
<b>ADV. HEALTH SCIENCE BLOCK - DOUBLE BLOCKED A &amp; B periods - Full Year</b>			
Adv. Health Science: Medical Anatomy & Physiology CE (Full Year – 2 credits)	WSU: HTHS 1110 ( <i>Integrated Human Anatomy &amp; Physiology-Part 1</i> ) – 4 credits WSU: HTHS 1111 ( <i>Integrated Human Anatomy &amp; Physiology-Part 2</i> ) – 4 credits	Required: <i>For SENIORS only, Medical Anatomy, Chemistry or AP Chemistry, and Biology or AP Biology</i>	<p><i>The Adv. Health Science block is scheduled for both the A and B time slots in a given period and usually taken with another Health Science class.</i></p>
<b>TEACHER EDUCATION - ELEMENTARY</b>			
<b>TEACHER EDUCATION BLOCK - These courses are BLOCKED TOGETHER for 2 periods</b>			
<p><u>Course 1:</u> Intro to Education CE</p> <p><u>Course 2:</u> Computer Technology in Education CE</p>	<p>UVU: EDEL 1010 (<i>Introduction to Education</i>) - 3 credits</p> <p>UVU: EDEL 2200 (<i>Computer Technology in Education</i>) - 3 credits</p>	<p>Required: <i>For juniors and seniors only.</i></p> <p><b>NOTE: Students will need to be able to provide their own transportation between schools.</b></p>	<p><i>In this two-course series, students will be involved in elementary educational experiences throughout the district. The series will include class instruction, guest speakers, visiting and observing classrooms, lesson prep, and instructional experiences. Students will also be prepared to engage elementary children in appropriate technology activities.</i></p> <p><i>Students will need to be able to provide their own transportation between schools and be a junior or a senior.</i></p>

COURSES	C.E. COLLEGE CREDITS & INDUSTRY CERTIFICATION	COURSE PREREQUISITES	DESCRIPTION/RECOMMENDED COURSE SEQUENCE
<b>EARLY COLLEGE</b> <i>(fulfills both high school &amp; college G.E. or major requirements)</i>			
<b>COLLEGE WRITING BLOCK - Two-Courses BLOCKED TOGETHER for only ONE period - Full Year</b>			<i>These English writing courses are accelerated and blocked together in only ONE period for the full year.</i>
<p><b>Course 1:</b> ENGL 1010 Intro to Writing CE (1<sup>st</sup> Semester – 1 credit)</p> <p><b>Course 2:</b> ENGL 2010 Intermediate Writing CE (2<sup>nd</sup> Semester – 1 credit)</p>	<p>UVU: ENGL 1010 (<i>Introduction to Writing</i>) - 3 credits</p> <p>UVU: ENGL 2010 (<i>Intermediate Writing</i>) - 3 credits</p>	<p>Required: ACT or Accuplacer exam placement score - SENIORS ONLY</p> <p>Required for ENGL 2010: Completion of ENGL 1010 with a grade of C- or better</p>	<p><i>Since students will earn 1 full high school credit in a semester time, students will be expected to put in extra time outside of class in order to complete the school work required for these classes.</i></p> <p><i>Fulfills both high school English requirement and college G.E. requirements. Also counts towards the Regents Scholarship.</i></p>
<i>NOTE: All Early College classes listed below (except HIST 1700) are accelerated and usually blocked with another Early College course in only ONE period for the full year. Since students will earn 1 full high school credit in a semester time, students will be expected to put in extra time outside of class in order to complete the school work required for these classes.</i>			
<p>HIST 1700 American Civilization/ US History CE (Full Year – 1 credit)</p>	<p>UVU: HIST 1700 (<i>American Civilization</i>) – 3 credits</p>	<p>Required: For Juniors &amp; Seniors &amp; Sophomores who are in English Honors in 9<sup>th</sup> grade. (Then screened later with their Accuplacer reading score for the CE Sophomore application.)</p>	<p><i>Fulfills both high school US Studies &amp; college G.E. requirements</i></p>
<p>PSY 1010 Psychology CE (Semester – 1 credit)</p>	<p>UVU: PSY 1010 (<i>General Psychology</i>) – 3 credits</p>	<p>Required: For Juniors &amp; Seniors</p>	<p><i>For students going into Nursing, we encourage students to take both PSY 1010 &amp; PSY 1100. Some colleges require both as prerequisites for their Nursing program, and some require one while others require the other course. Since most students when graduating from high school do not know which college nursing or other pre-health program they will get accepted into, students will be able to complete both while still in high school.</i></p> <p><i>PSY 1010 also fulfills a Social Science requirement for the Regents Scholarship, while PSY 1100 is a major requirement for most college Elementary Education programs.</i></p>
<p>PSY 1100 Human Dev CE (Semester – 1 credit)</p>	<p>UVU: PSY 1100 (<i>Human Development Life Span</i>) - 3 credits</p>	<p>Required: For Juniors &amp; Seniors</p>	<p><i>Fulfills high school Soc Studies &amp; college G.E. requirements and/or major requirements for Nursing, Elem Ed, etc.</i></p>
<p>POLS 1100 US Government CE (Semester – 1 credit)</p>	<p>UVU: POLS 1100 (<i>American National Government</i>) - 3 credits</p>	<p>Required: For Juniors &amp; Seniors</p>	<p><i>Fulfills high school US Government &amp; a state college G.E. requirement.</i></p>
<p>SOC 1010 Sociology CE (Semester – 1 credit)</p>	<p>UVU: SOC 1010 (<i>Intro to Sociology</i>) – 3 credits</p>	<p>Required: For Juniors &amp; Seniors</p>	<p><i>Fulfills high school Soc Studies &amp; college G.E. and/or requirements</i></p>
<b>LIVE INTERACTIVE</b> <b>(UVU College Classes from a Distance)</b>			
<p>Live Interactive courses are another way to earn both high school and college credit concurrently. These courses are broadcasted from UVU in real time to an ALC classroom but taught by a UVU professor. Courses fulfill G.E. and/or major requirements at most colleges and universities. However, courses are not on the Nebo schedule and calendar, which makes it a little harder to fit in a normal high school A/B schedule but very doable, especially for your senior year. Please talk to our ALC counselor for information and scheduling questions.</p>			
<p>We currently offer over 25 courses each semester. Go to our ALC website at: <a href="http://alc.nebo.edu/">http://alc.nebo.edu/</a> for a current list of classes and course descriptions. Here are some that fulfill HS core graduation requirements:</p>			
<p>ART 1010 - Introduction to Visual Arts ASTR 1040 - Elementary Astronomy BIOL 1010 – General Biology COMM 1020 - Public Speaking COMM 2110 - Interpersonal Communication</p>	<p>ENGLISH 1010 - Intro to Writing ENGLISH 2010 - Intermediate Writing GEOL 1010 - Introduction to Geology METO 1010 - Introduction to Meteorology MUSC 1010 - Introduction to Music</p>	<p>MUSC 1030 - American Popular Music POLS 1100 - American National Government THEA 1013 - Introduction to Theatre THEA 1023 - Introduction to Film</p>	