



Advanced Learning Center

Your Early College & Career Center for Nebo School District



2018-2019

As part of Nebo School District, the ALC provides early college and career courses to high school students while students stay involved at their primary school. The ALC offers a wide variety of courses for college credit, career readiness, and industry certification. School buses run to and from each high school before school, during lunch, and after school.

We are located in Salem at 161 East 400 North. For more information, students should visit with their high school counselor or the ALC counselor at **(801) 489-2833**. For full course offerings, descriptions, and information on our programs, please visit our ALC website at: <http://alc.nebo.edu/>

- **AVIATION TECHNOLOGY** – We have 3 different two-period blocks, where students gain foundational knowledge prior to their flight training. Students will, however, get virtual flight experience through our flight simulator. **Please see our website or your ALC Registration Card for an explanation of what classes are blocked together.** (Flight training hours, testing, and costs are separate from this program.) If students take our full two-year program, students will be prepared for the written exam for the Private Pilot Written Knowledge Test. These classes are open to sophomores, juniors, and seniors. Classes include:
 - Aviation History CE (AVSC 1010)
 - Air Transportation
 - Flight Simulator
 - Private Pilot CE (AVSC 1100)
 - Unmanned Aerial Services (Drones)
- **BUSINESS MANAGEMENT** - Students will learn the marketing and management principles necessary to start and operate their own business, as well as the laws that govern business. Our classes in Entrepreneurship and Business Law will help students fulfill classes for the Entrepreneurship and Management Pathway.
 - Business Law
 - Entrepreneurship
- **BUILDING CONSTRUCTION** – Students are involved in the construction of a home while being supervised by a licensed contractor. Tools are provided. Classes are offered the last two periods of each day. Students can choose to attend either A day, B day, or both. Students must be a junior or a senior and provide their own transportation to the job site.
 - Carpentry 1 & 2 CE (CMGT 1190 & 1220) – *blocked together for 2 periods*
- **COMPUTER INFORMATION TECHNOLOGY** – These courses are meant for students who enjoy technology, exploring computers, learning how they work, building a network, and/or programming. Students can earn industry certification when passing qualifying exams. These classes are part of the study of Information Technology and the Network & IT Support CTE pathway.
 - A+ (Computer Hardware & Repair) – full year
 - Intro to Information Technology - semester
 - Network+ Fundamentals – semester
- **COMPUTER PROGRAMMING** – This area of study is for students who enjoy technology and want to learn how to design and create computer programs. These classes are part of the study in Information Technology and allow students to complete the Programming/Software Development CTE pathway.
 - Computer Programming 1 CE (CS 1030 & CS 1400) – full year
 - Computer Programming 2 CE (CS 1410) – full year
 - Comp Prog 3 – Algorithms & Data Structures CE (CS 2420) – full year
 - Gaming Fundamentals 1 – semester
 - Gaming Fundamentals 2 – semester
- **CRIMINAL JUSTICE** - Students are introduced to the field of criminal justice, investigations, and its correctional system. Students can also learn about criminal law and medical forensics. These classes are in the area of Law, Public Safety, Corrections & Security and allow students to fulfill classes in the CTE Protective Services pathway.
 - Law Enforcement CE (CJ 1010) – 1st Semester
 - Criminal Investigations CE (CJ 1340) – 2nd Semester
 - Criminal Law CE (CJ 1330) – full year
 - Medical Forensics CE (CJ 1350) – full year

- **DIGITAL MEDIA** – Most of these classes are in the area of Information Technology and allow students to fulfill classes in the CTE Digital Media pathway.
 - *Digital Media CE (DGM 1110) – full year **Must be taken prior to or at the same time as those indicated below.*
 - *Audio Essentials CE (DGM 2130) – full year
 - *3D Graphics & Animation CE (DGM 1660 & DGM 1620) – full year - *Must be taken with Digital Media 2*
 - *Digital Media 2 – full year
 - *Gaming App Dev (DGM 1610) - semester
 - *HTML 5 (DGM 1600) – semester
 - Radio Broadcasting 1 & 2 – full year
 - TV Production 2 CE (DGM 1520) – *blocked for two periods for one semester but students can also take it for the full year*

- **ENGINEERING & MANUFACTURING - BEGINNING** – These courses are for NEW students interested in architecture, engineering, robotics, and manufacturing and are in the area of Technology & Engineering. They help students begin CTE pathways in CAD Mechanical Design, Mechanical Engineering, and Robotics.
 - Architecture 1 & 2 CE (EGDT 1090 & 1020) – full year
 - Intro to Engineering Design/CAD Mech CE (EGDT 1040) – full year
 - Manufacturing 1 - semester
 - Robotics 1 - semester

- **ENGINEERING & MANUFACTURING - ADVANCED** – These classes are for 2nd and 3rd year engineering or robotic students and are in the area of Engineering and Technology. Students are able to complete CTE pathways in this area of study in CAD Mechanical Design, Mechanical Engineering, and Robotics.
 - Engineering Design & Development CE (PLTW) (DET 2460) – full year
 - Engineering Principles 1 & 2 CE (ENGR 1000) - full year

- **HEALTH SCIENCE** - These classes are in the area of Health Science Education and can help students fulfill a variety of CTE pathways. All health science classes are for juniors & seniors. The Adv. Health Science block is scheduled for both the A and B time slots in a given period and are usually taken with another Health Science class.
 - Adv. Health Science CE (HLTH 1110 & 1111) – double blocked
 - Emergency Medical Responder CE (HLTH 1200) – 1st sem
 - Medical Terminology CE (HLTH 1300) – 2nd sem
 - Medical Forensics CE – full year

- **TEACHER EDUCATION - ELEMENTARY** - 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, and students will be prepared to engage elementary children in appropriate technology activities. ***Students will need to be able to provide their own transportation between schools and be a junior or a senior.***
 - Intro to Education CE (EDEL 1010) & Comp Technology in Education CE (EDEL 2200)
(Courses are blocked together for 2 periods)

- **EARLY COLLEGE CLASSES** – These courses fulfill core requirements for both high school and college general education requirements, as well as some majors. Either one or both of the Psychology classes are required for nursing pre-requisites. All courses except PSY 1100 fulfill a requirement for the Regents Scholarship. PSY 1100 is a major requirement for most Elementary Education programs.

○ ENGL 1010 CE / ENGL 2010 CE – blocked together – full year	Fulfills HS English & College GE
○ HIST 1700 American Civ CE (US History) – full year	Fulfills HS US Studies & College GE
○ PSY 1010 (Gen Psychology) CE – semester	Fulfills HS Social Science & College GE/Major
○ PSY 1100 (Human Development) CE – semester	Fulfills HS Social Science & College GE/Major
○ SOC 1010 (Intro Sociology) CE – semester	Fulfills HS Social Science & College GE/Major

- **UVU LIVE INTERACTIVE (DISTANCE LEARNING)** – 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. We currently offer over 25 courses each semester. Go to our ALC website for a current list of classes and course descriptions at: <http://alc.nebo.edu/content/uvu-live-interactive-distance-learning>