



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 CE (AVSC 2150)
 - 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 CE (DGM 1610) - 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 2210) – full year - Must be taken with Digital Media 2
 - *Digital Media 2 – full year
 - *HTML 5 (DGM 1600) – sem
 - Radio Broadcasting 1 & 2 – full year
 - Video 1 CE (DGM 1520) – full year
 - Video 2 CE – full year – *must be taken with Digital Media 2 – blocked together for 2 periods*
 - Web Development CE (DGM 2120) – 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.
 - Civil Engineering & Architecture (PLTW)
 - Intro to Engineering Design CE (DET 1010)
 - Manufacturing 1 (semester course)
 - Robotics 1 (semester course)

- **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.
 - CAD Mechanical Design 3 CE (DET 1160) – semester
 - Engineering Design & Development CE (PLTW) (DET 2460) – full year
 - Engineering Principles 1 & 2 CE (ENGR 1000) - full year
 - Manufacturing Principles 2 – semester

- **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) - *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.

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| <ul style="list-style-type: none"> ○ ENGL 1010 CE / ENGL 2010 CE – blocked together – full year ○ HIST 1700 American Civ CE (US History) – full year ○ POLS 1100 (American National Gov) – semester ○ PSY 1010 (Gen Psychology) CE – semester ○ PSY 1100 (Human Development) CE – semester ○ SOC 1010 (Intro Sociology) CE – semester | <ul style="list-style-type: none"> Fulfills HS English & College GE Fulfills HS US Studies & College GE Fulfills HS US Gov & Civ & College GE Fulfills HS Social Science & College GE/Major Fulfills HS Social Science & College GE/Major Fulfills HS Social Science & College GE/Major |
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Help shape future ALC programs by sharing with us your ideas for future classes and programs.