ARCHITECTURE & CONSTRUCTION MAJORS

ARCHITECTURAL DESIGN			
9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
❑ English 9 or higher ❑ Algebra I or higher ❑ Biology ❑ Health (.5 credit) ❑ Tools (.5 credit) ❑ Physical Education I ❑ Electives (2)* ❑ *Architectural Design I*	❑ English 10 or higher ❑ Geometry or higher ❑ Chemistry ❑ World History or higher ❑ Physical Education II ❑ Construction I ❑ Elective ❑ *Architectural Design II*	❑ English 11 or higher ❑ Algebra II or higher ❑ Physics, or AP Science ❑ US History or higher ❑ Elective (2)* ❑ *Architectural Design III* ❑ *Architectural Design III LAB*	❑ English 12 or higher ❑ College Prep Math or higher ❑ Physics or AP Science ❑ US Government or higher ❑ Elective (2)* ❑ *Architectural Design Advanced Studies (2 Periods)*

*Suggested Electives: Art, Business and Marketing, Business Software Apps, Construction for Non-Majors, and Spanish

Industry Certifications	Student Organizations	Related Careers	Post-Secondary Options
● AutoCAD User ● Revit User ***Students will be prepared to sit for these exams following successful completion of the program.**	SkillsUSA	● Architect ● Architectural Designer ● Landscape Architect ● Construction Manager ● Inspector ● Residential Designer ● Interior Designer ● Surveyor	● CSN ● Great Basin College ● Nevada State College ● Truckee Meadows Community College ● UNLV ● UNR ● Western Nevada College

CTE College Credit is free and is awarded to students who:

1. Complete the CTE course sequence with a grade-point average of 3.0 or higher;
2. Pass the state end-of-program technical assessment for the program;
3. Pass the Workplace Readiness Assessment for employability skills: and
4. Apply to the school granting credit and request the credit be posted to a transcript. School counselors are available to assist students with this process.

Students who qualify for the college credit do not need to attend the credit granting school to receive the credit. Please see the appendix or visit http://www.doe.nv.gov/CTE/ for further information.

ARCHITECTURAL DESIGN		
ARCHITECTURAL DESIGN I	This one-year course provides Computer-Aided Drafting and Design (CADD) students with the principles of architectural drawing, design, and introductory civil engineering skills. Areas of study include current building codes, construction methods, materials, and architectural drafting. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation. **See the Appendix for the Instructional Fee List.**	**Grades: 9** **Prerequisite: NONE** **Credits: 1**
ARCHITECTURAL DESIGN II	This one-year course is designed for students who have successfully completed Architectural Design I. Areas of study include building codes, building construction methods, building materials, and architectural drafting methods. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation. **See the Appendix for the Instructional Fee List.**	**Grades: 10** **Prerequisite: Successful completion of Architectural Design I** **Credits: 1**
ARCHITECTURAL DESIGN III	This one-year course is designed for students who have successfully completed Architectural Design II. Areas of study include analyzing climate affect, occupant comfort, and efficient energy use. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation. **See the Appendix for the Instructional Fee List.**	**Grades: 11** **Prerequisite: Successful completion of Architectural Design I and II** **Credits: 1**
ARCHITECTURAL DESIGN III LAB	This one-year course is designed to provide extended experience for students concurrently enrolled in Architectural Design III. This course provides an in- depth lab experience that applies the processes, concepts, and principles as described in the course goals. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation and may be repeated. **See the Appendix for the Instructional Fee List.**	**Grades: 11** **Prerequisite: Taken concurrently with Architectural Design III** **Credits: 1**
ARCHITECTURAL DESIGN ADVANCED STUDIES	This one-year course is offered to students who have achieved all content standards in Architectural Drafting and Design and desire to pursue advanced study through investigation and in-depth research. The student collaborates with the supervising teacher to design and implement the topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation and may be repeated. **See the Appendix for the Instructional Fee List.**	**Grades: 12** **Prerequisite: Successful completion of Architectural Drafting III** **Credits: 1-3**