



Southwest Career Technical Academy

Pathway: Construction Engineering

9th Grade	10th Grade	11th Grade	12th Grade
English I/ H	English II/ H	English III/ American Lit./ H AP English Language & Comp.	English IV/ Composition H AP English Lit & Comp.
Algebra I/ H Geometry H	Geometry I/ H Algebra II/ H	Algebra II/ H Pre Calc/ Trigonometry	Pre Calc/ Trig H/ AP Calculus/ Dual College Credit Option
Principles of Science Biology I H	Biology I/ H Chemistry IH	Chemistry/ H Physics/ H Genetics H/ Anatomy & Physiology	Elective
Tools for Success/ Freshman Studies	World History/ H	US History/ H/ AP	US Government/ H/ AP
PE I	PE II or PE II Waiver/ Elective	Elective	Construction Engineering II
Art/ Arts and Humanities	Health/ Drivers Ed	Construction Engineering I	↓ ↓ ↓
Elective	Intro to Transportation & Trades	↓ ↓ ↓	↓ ↓ ↓
Pre Requisites		Career Technical Fees	
Strong Reading, Basic Algebra, English and Science skills will be helpful. A willingness to be in the Engineering/Construction field. Ability to lift and work with heavy objects and equipment. Work in different climatic conditions. Teamwork is necessary.		\$25 Intro to Construction Engineering/ \$180 Construction Engineering I/ \$100 Construction Engineering II	
Certifications	Possible Articulated Courses		Post Secondary Options
CCSD Occupational Certificate of Competency			CSN UNR NSC UNLV
Career Pathways Available			
Commercial/ Residual Construction*, Survey Team Member*, Energy Weatherization – (New Green Technology)*			
*This will be an entry-level position. Continued post – secondary education and training will be required. Source- http://www.bls.gov/oco/cg.cgs003.htm			

*Following the Academic course sequencing fulfills the requirement for Millennium Scholarship & 21st Century Course of Study provided student maintains the required GPA and passes all proficiency exams.

*Students who are program completers and have earned an overall 2.0 GPA or higher in their career technical major will earn a CCSD Certificate of Competency.

*Fees subject to change without notice.

*Administration reserves the right to change course offerings based on staffing and enrollment.