



Science,
Technology,
Engineering &
Mathematics

2022 - 2023

Engineering - Design Engineering

Science, Technology, Engineering & Mathematics Endorsement
Dubiski Career High School

Grade	Required CTE Courses	Recommended CTE/CORE Electives <i>* CTE courses meeting High School Graduation requirements</i>	Potential Certification Opportunities
9th	Principles of Applied Engineering (1 Credit) - 7750ab	<ul style="list-style-type: none"> * Financial Mathematics (7083) * Engineering Design and Problem Solving (7761) * Engineering Science - 10th (7904) * Digital Electronics - 12th (7902) *as student's 4th math course * Scientific Research & Design (7760) <p>REQUIRED CTE ELECTIVES</p> <ul style="list-style-type: none"> - Intro to CADD -12th (7915) 	<ul style="list-style-type: none"> • OSHA 10 General • Cyber Safety • Customer Service • Employability
10th	Engineering Design and Presentation I (1 Credit) - 7753ab AND Robotics I (1 Credit) - 7756ab		<ul style="list-style-type: none"> • Career Essentials: Engineering Technology
11th	Engineering Design and Presentation II (2 Credits) - 7754ab AND Practicum in STEM (2 Credits) - 7775jk		<ul style="list-style-type: none"> • Career Essentials: Welding • Career Essentials: Electronics • Google Analytics Individual Qualification (GAIQ)
12th	Extended Practicum in STEM 2 (3 Credits) - 7774jk		<ul style="list-style-type: none"> • Career Essentials: Engineering • OSHA 30 Hour General Industry • Certified Solidworks Associate (CSWA)
Career and Technical Student Organizations (CTSO)		CTE Dual Credit Offerings	
SkillsUSA Business Professionals of America DECA TSA		Digital Electronics - Algebra I and Geometry Engineering Design & Presentation - Algebra I Engineering Design & Presentation II - Algebra/Geometry	

WHERE WILL YOU GO NEXT?

ENGINEERING PATHWAY

