



## Career and Technical Education (CTE) Science, Technology, Engineering & Mathematics Cluster



Career Possibilities	<p>Materials Scientist</p> <p>Civil Engineer</p> <p>Engineering Technician</p> <p>Nuclear Engineer</p> <p>Mechanical Engineer</p> <p>Mechanical Technician</p> <p>Nano Scientist</p>	<p>Electrical Engineer</p> <p>Aerospace Engineer</p> <p>Hydrologist</p> <p>Machinist</p> <p>Power Systems Technician</p> <p>Wastewater Maintenance Technician</p> <p>Robotics Engineer</p>
<b>Year 1 Pathway Course</b>	<b>Complementary Pathway Courses</b> * = course has a pre-requisite	
<p>Engineering I: Intro to Engineering Design (28491)</p> <p>This course teaches design concepts in which students translate conceptual designs into reproducible products using traditional hand and power tools, 3D printer and laser engravers.</p>	<p>Advanced Drawing and Design*(28440)</p> <p>Aerospace Engineering *(28498)</p> <p>Computer Assisted Technical Drawing (DE)(28439 (98439W))</p> <p>Digital Electronics (26671)</p> <p>Engineering Capstone: Design &amp; Development *(28494)</p> <p>Engineering II: Principles of Engineering (28492)</p>	
<p>Materials &amp; Processes Technology (28433)</p> <p>This course focuses on materials, processes and fabrication using metals, plastics, woods and composite materials.</p>	<p>Computer Assisted Technical Drawing (DE)(28439 (98439W))</p> <p>Construction Technology (28512)</p>	
<p>Energy and Power (26448)</p> <p>This course explores the generation, transmission, and distribution of electricity.</p>	<p>Construction Technology (28512)</p> <p>Sustainable and Renewable Technologies (28460)</p>	
<b>Science, Technology, Engineering &amp; Mathematics</b>	<p><i>This Career Cluster® is focused on planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services. <a href="#">(Advance CTE)</a></i></p>	