

CTE Course Crosswalk

TAC Chapter 130. Career and Technical Education				
Subchapter O. Science, Technology, Engineering, and Mathematics				
2010	Credits	2017	Credits	Codes
Concepts of Engineering and Technology	.5 - 1	Principles of Applied Engineering	1	
Biotechnology	1 - 2	Principles of Biosciences	1	
Advanced Biotechnology	1	Biotechnology I	1	P, S
n/a		Biotechnology II	1	P, S
Engineering Design and Presentation	1 - 2	Engineering Design and Presentation I	1	P
Advanced Engineering Design and Presentation	2 - 3	Engineering Design and Presentation II	2	P
Engineering Mathematics	1	Engineering Mathematics	1	M, P
Electronics	1 - 2	AC/DC Electronics	1	
Advanced Electronics	2 - 3	Solid State Electronics	1	P
Robotics and Automation	1 - 2	Robotics I	1	
n/a		Robotics II	1	M, P
Principles of Technology	1	Principles of Technology	1	P, S
Scientific Research and Design	1	Scientific Research and Design	1	P, S
Engineering Design and Problem Solving	1	Engineering Design and Problem Solving	1	P, S
Principles of Engineering	1	Engineering Science	1	P, S
Digital Electronics	1	Digital Electronics	1	M, P
Practicum in Science, Technology, Engineering, and Mathematics	2 - 3	Practicum in Science, Technology, Engineering, and Mathematics	2	P
		Extended Practicum in Science, Technology, Engineering, and Mathematics*	1	P
<p>*This course must be taken concurrently with Practicum in Science, Technology, Engineering, and Mathematics and may not be taken as a stand-alone course. Example: Practicum in Science, Technology, Engineering, and Mathematics (2 credits) + Extended Practicum in Science, Technology, Engineering, and Mathematics (1 credit) = 3 credits</p> <p>Note: A student may repeat a practicum course or practicum course + extended practicum course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.</p> <p><u>Legend:</u> M = Meets a graduation requirement for mathematics P = This course has prerequisites S = Meets a graduation requirements for science</p>				