

Science, Technology, Engineering and Mathematics Course Crosswalk		Future Possibilities		
1997	2010	4 x 4	ATC	End of Program Licensure/Certification
Technical Introduction to Engineering Systems	Exploring Careers Career Portals			
Introduction to Engineering Careers				
Engineering Principles	Principles of Manufacturing			
New	Concepts of Engineering and Technology			
Engineering and Architectural Drafting	Embedded in Architectural Design			
Engineering Graphics	Engineering Design and Presentation			
Engineering CAD I				
Computer Graphics And Machine Drafting				
Technical Introduction to Computer-Aided Drafting			X	Autodesk certifications*
Drafting I	Advanced Engineering Design and Presentation			
Engineering CAD II				
Advanced CAD III			X	Autodesk Certifications*
Drafting II				
Electronics I	Electronics			
Electricity/Electronic Technology				
Instrumentation I			X	ETA-i - Electronic Technicians Association International SET - Student Electronics Technician Certification ** ISCET - International Society of Certified Electronics Technicians
Alternating Current Electronics				
Direct Current Electronics	Advanced Electronics			
Electronics II				
Electronics III				
Instrumentation II				
Technical Introduction to Instrumentation				
AC/DC Electronics/Computer Systems				
AC/DC Electronics/Digital Logic Functions			X	ETA-i - Electronic Technicians Association International SET - Student Electronics Technician Certification ** ISCET - International Society of Certified Electronics Technicians
Digital Logic Circuits				
Digital Logic Electronic Circuits Technology				
Solid State Devices and Analog Circuit Technology				
Semiconductor Electronics Technology	Problems and Solutions			
Problems and Solutions In Technology				
Problems and Solutions In Technology II				
Fourth Math Recommendations				
Analytical Integrated Mathematics (AIM)	Engineering Mathematics	X		

Fourth Science Recommendations				
Introduction to Biotechnology	Advanced Biotechnology	X		
Bio-Related Technology Systems	Biotechnology			
NEW	Engineering Design and Problem Solving	X		
Principles of Technology I	Principles of Technology	X	X	
Principles of Technology II				
Research Design and Development	Scientific Research and Design	X		
Research Design and Development II				
Scientific Research And Design I				
Scientific Research And Design II				
Scientific Research And Design III				
Innovative Courses				
Advanced Engineering CAD	Advanced Engineering Design and Presentation		X	Autodesk Certifications*
Applied Technology I	Concepts of Engineering and Technology			
Applied Technology II				
Data Acquisition and Analysis	Stays innovative			
Introduction to Computer Aid Drafting	Engineering Design and Presentation			
Pre-Advanced Technical Core	Deleted			
Pre-Engineering I	Engineering Design and Presentation			
Pre-Engineering II				
Pre-Engineering and Technology Internship	Practicum in STEM			
Robotics I	Robotics and Automation			
Robotics II				
Survey of Engineering Technology	Robotics and Automation			
Texas Prefreshman Engineering Program I	Stays innovative			
Texas Prefreshman Engineering Program II	Stays innovative			
Texas Prefreshman Engineering Program III	Stays innovative			
Texas Prefreshman Engineering Program IV	Stays innovative			
Gateway to Technology (GTT)	Project Lead The Way (PLTW) (Stays innovative)			
Introduction to Engineering Design (IED)			X	
Principles of Engineering (POE)			X	
Digital Electronics (DE)				
Aerospace Engineering (AE)			X	
Biotechnical Engineering (BE)				
Civil Engineering and Architecture (CEA)			X	
Computer Intergrated Manufacturing (CIM)				
Engineering Design and Development (EDD)				
Engineering: The Digital Future		The Infinity Project (Stays Innovative)		

*AutoCAD, AutoCAD Architectural Desktop, AutoCAD Civil 3d, Revit Architecture, and Inventor,				
**Electronics Technicians Association				