



# TECHNOLOGY AND ENGINEERING STUDIES T2T PROGRAM REQUIREMENTS

CORE COURSES	CREDIT HOURS
TECS 120 Power, Energy, & Transportation .....	3
TECS 130 STEM In Technology Systems .....	3
TECS 200 Engineering Graphics .....	3
TECS 312 Graphic Communication Techniques.....	3
TECS 318 Intro To CAD .....	3
TECS 406 Problems in Tech: 10 hr OSHA Certificate.....	1
TECS 490 Occupational Safety, Health, & Liability .....	2

## Technology and Engineering Education Concentration

TECS 180 Materials, Processes, & Production .....	3
TECS 280 Wood Processes.....	3
TECS 240 Plastic Processes.....	3
TECS 260 Metal Processes.....	3
TECS 440 Maintenance & Repair of Equipment.....	1

## CTE Pathway Certificate Areas - Minimum of 1 certificate required

### STEM

TECS 310 Manufacturing Graphics.....	3
TECS 355 Computer-Aided Drafting.....	3
TECS 375 Robotics: Engineering Problem Solving .....	3

### Construction

TECS 314 Furniture & Cabinet Construction .....	3
TECS 406 Site Prep & Foundation.....	3
TECS 485 Building Construction.....	3

**Drafting/CAD Design**

TECS 355 Computer Aided Drafting.....3  
TECS 415 Construction Graphics.....3  
TECS 445 Civil Drafting.....3

**Manufacturing**

TECS 119 Intro to Welding.....3  
TECS 331 Machine Tool Operations.....3  
TECS 430 Computer-Aided Manufacturing.....3

**Total Technology and Engineering Education T2T Credit Hours Required ....40**