Kentucky CTE

Advanced Manufacturing: Computer-Aided Design: Mechanical Design 480135 (2026–2027)

Demonstrate and practice safe work habits in the lab area. 1	1 Demonstrate and practice safe work habits in the lab area. 1
Construct mechanical working drawings. 2	2 Construct mechanical working drawings. 2
Construct gear drawing and design. 3	3 Construct gear drawing and design. 3
Construct cam and follower drawings. 4	4 Construct cam and follower drawings. 4
Solve mechanical problems related to gears and cams. 5	5 Solve mechanical problems related to gears and cams. 5
Select appropriate gears from vendor catalogs. 6	6 Select appropriate gears from vendor catalogs. 6
Construct mechanical power transmission drawings. 7	7 Construct mechanical power transmission drawings. 7
Construct assembly drawings using bearings and seals. 8	8 Construct assembly drawings using bearings and seals. 8
Demonstrate knowledge of shop processes. 9	9 Demonstrate knowledge of shop processes. 9