

MANUFACTURING TECHNOLOGY CERTIFICATE (MFGC)

Knight Campus, Warwick only

Manufacturing engineers are responsible for determining competitive ways to manufacture a product. The certificate in Manufacturing Engineering Technology is a comprehensive program that gives students a strong foundation of technical skills and knowledge needed for employment in fields such as production, planning and control, quality control, process control production methods, technical sales, product development and safety. The courses in this certificate program can be applied toward an associate degree in mechanical Engineering Technology.

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> MAPR 1140	Industrial Blueprint Reading	2
<input type="checkbox"/> MAPR 1620	Measurements	2
<input type="checkbox"/> MAPR 1200	Lean Manufacturing	5
<input type="checkbox"/> ENGT 1020	Manufacturing Processes	3
<input type="checkbox"/> MAPR 1800	Applied MachineTool Geometry	2
<input type="checkbox"/> MAPR 1220 P	Tooling and Machine Operations	8
<input type="checkbox"/> MAPR 1250	Introduction to CNC	2
<input type="checkbox"/> MAPR 1260 P	Geometric Dimensioning and Tolerancing	2
<input type="checkbox"/> ENGT 1060	AutoCAD (Basic)	2
<input type="checkbox"/> MAPR 2700	Machinery Handbook	2
Total Certificate Credits		30



P This course has a prerequisite. See Course Descriptions section for class hours, prerequisites and corequisites.

MECHANICAL ENGINEERING TECHNOLOGY CERTIFICATE (MECC)

Knight Campus, Warwick only

This certificate program is for students who wish to seek employment in computer-aided design and analysis for product development, material and system testing and technical sales. Courses in this certificate program can be applied toward an associate degree in the Mechanical Engineering Technology program.

MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> MATH 1700	Algebra for Technology	4
<input type="checkbox"/> ENGR 1030 P	Engineering Graphics	3
<input type="checkbox"/> MATH 1710 P	Trigonometry for Technology	4
<input type="checkbox"/> ENGT 1090 P	Solid Modeling (Solid Works)	2
<input type="checkbox"/> MEET 1510 P	Statics and Strength of Materials	5
<input type="checkbox"/> MEET 2920	Basic Mechanisms	4
<input type="checkbox"/> PHYS 1050 P	Physics for Technology I	4
<input type="checkbox"/> MEET 2830 P	Elements of Machine Design	3
<input type="checkbox"/> INST 2320	Introduction to Programmable Logic Controllers	3
Total Certificate Credits		32