

■ MANUFACTURING TECHNOLOGY CERTIFICATE (MFGC)

KNIGHT CAMPUS, WARWICK

The Manufacturing Technology certificate program prepares students for entry-level positions in the machine tool industry. This program may be completed by full-time students in nine months or may also be taken on a part-time basis.

COURSE NO.	COURSE TITLE	CREDITS
☐ MAPR 1140	Industrial Blueprint Reading	2
☐ MAPR 1620	Measurements	2
☐ MAPR 1200	Lean Manufacturing	5
☐ ENGT 1020	Manufacturing Processes	3
☐ MAPR 1800	Applied Mach.Tool Geometry	2
☐ MAPR 1220 P	Tooling and Machine Operations	8
☐ MAPR 1250	Introduction to CNC	2
☐ MAPR 1260 P	Geometric Dimensioning and Tolerancing	2
☐ ENGT 1060	AutoCAD (Basic) 7 weeks	1
☐ MAPR 2700	Machinery Handbook	2
Total Certificate Credits		29

■ MECHANICAL ENGINEERING TECHNOLOGY CERTIFICATE (MECC)

KNIGHT CAMPUS, WARWICK

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
☐ MATH 1700 P	Algebra for Technology	4
☐ ENGR 1030	Engineering Graphics	3
☐ MATH 1710 P	Trigonometry for Technology	4
☐ MEET 1810 P	Design Drafting	3
☐ MEET 1510 P	Statics & Strength of Materials	5
☐ MEET 2920 P	Basic Mechanisms	4
☐ PHYS 1050	Physics for Technology I	4
☐ MEET 2830 P	Elements of Machine Design	3
☐ INST 2320 P	Introduction to Programmable Logic Controllers	3
Total Certificate Credits		33