

Manufacturing Automation and Quality Concentration (ETMQ)

Certificate in Engineering Systems Technology (CERT_ETMA)

Knight Campus, Warwick only

The Manufacturing Automation and Quality certificate teaches students to measure the quality of manufactured products and develop efficient manufacturing processes. Students will gain experience with a variety of advanced manufacturing technologies, including wire EDM, plasma cutting, 3-D printing and laser cutting.

The program has been designed to provide the student with extensive hands-on laboratory experience using a recently renovated laboratory. This experience will maximize the skills advocated by the college's manufacturing advisory board. The student will receive an OSHA10 certification and the opportunity to attend four industry presentations.

All credits can be applied to the Associate in Science degree in Advanced Manufacturing Technology.

Certificate Requirements

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
ETCN 1200	Precision Measurement and Geometric Dimensioning and Tolerance	Seven-and-a-half week course	3
ETEE 1800	Introduction to Digital Systems		3
ETCN 2350	Automated Machining Technology		3
ETME 1010	Robotics and Control		3
ETME 2310	Automation Systems		3
ETCN 2250	Lean Manufacturing		2
ETCN 2400	Industry and OSHA-10 Seminars		1
Total Certificate Requirements Credits			18
Total Program Credits			18