

## Advanced Manufacturing Machining Concentration (ETMM)

### Certificate in Engineering Systems Technology (CERT\_ETMA)

Knight Campus, Warwick only

This certificate program gives students extensive hands-on experience with manual, conversational and computer numerical control (CNC) machines. Emphasis will be placed on safe and efficient setup and operation of industrial-grade machining equipment. Overall, the program will prepare students to read blueprints, select appropriate machining technology and produce a unit that meets design specifications. All credits can be applied to the Associate in Science Degree in Advanced Manufacturing Technology.

#### Certificate Requirements

<b>COURSE NO.</b>	<b>COURSE TITLE</b>	<b>COURSE NOTES</b>	<b>CREDITS</b>
ETME 1020	Introduction to Manufacturing Processes		3
ETCN 1100	Blueprint Reading and the Machinery's Handbook	Seven-and-a-half week course	3
ETCN 2000	Advanced Machining Skills		3
ETCN 1300	CNC Machining I		3
ETCN 2100	Computer Aided Manufacturing	Seven-and-a-half week course	3
ETCN 2200	CNC Machining II	Seven-and-a-half week course	3
ETCN 2400	Industry and OSHA-10 Seminars		1
Total Certificate Requirements Credits			19
<b>Total Program Credits</b>			<b>19</b>