

Machine Technology

Certificate

Program/CIP Code: MACH.TCERTA/MACH.TCERTB/MACH.TCERTC/48.0501

Credits Required: 24/36/48

Division: TEC

Contact: TEC@kckcc.edu

This program prepares students to be competitive in today's global workforce and manufacturing industry. Teaching strategies include team building and efforts to support the manufacturing environment with projects such as the building of a motorcycle.

Requirements for admission to the program:

- No requirements for admission to the program.
- Contact program for program-specific advising.

Machine Technology Requirements: Certificate A*

Course		Credit Hours
MACH 0101	OSHA 10-30	3
MACH 0102	Workplace Ethics	2
MACH 0103	Bench Work	1
MACH 0104	Industry Print Reading	3
MACH 0105	Quality Control and Inspection	1
MACH 0106	Metallurgy	1
MACH 0107	Machine Tool Processes	1
MACH 0108	Machine Fundamentals I	3
MACH 0109	Machine Fundamentals II	3
MACH 0110	CNC Operations I	3
MACH 0111	Mathematics for Manufacturing	3
*See course syllabi for Machine Technology course prerequisites.		

Total Hours for a Machine Technology Certificate A	24
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Machine Technology Requirements: Certificate B*

Course		Credit Hours
<i>Completion of Certificate A Requirements</i>		24
MACH 0201	Machining Fundamentals III	3
MACH 0202	Machining Fundamentals IV	3
MACH 0203	CNC Operations II	6
*See course syllabi for Machine Technology course prerequisites.		

Total Hours for a Machine Technology Certificate B	36
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Machine Technology Requirements: Certificate C*

Course		Credit Hours
<i>Completion of Certificate A and B Requirements</i>		<i>36</i>
MACH 0204	CAD/CAM I	4
MACH 0205	CAD/CAM II	4
MACH 0206	CAD/CAM III	4
*See course syllabi for Machine Technology course prerequisites.		
Total Hours for a Machine Technology Certificate C		48