

# MANUAL MILL MACHINIST

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## Pathway Certificate 61-444-2

This pathway certificate is designed to prepare completers for entry-level employment in the area of manual mill machining. The certificate covers machine safety, basic and advanced machining math, shop computing, metrology, semi-precision machining, mill milling fundamentals, and mill milling applications.

Pathway Certificates and Embedded Technical Diplomas are part of a larger model of BTC's Career Pathways which link related academic programs in sequence. Each program offers direct job preparation and a path to the next level of academic programming. To view the connected program model, visit the CNC Technician Career Path ([http://catalog.blackhawk.edu/academics/pathway\\_certs/lathe\\_machinist/CNCTechnicianCareerPath.pdf](http://catalog.blackhawk.edu/academics/pathway_certs/lathe_machinist/CNCTechnicianCareerPath.pdf)) (PDF).

<b>Semester 1</b>		<b>Credits</b>
421-385	Blueprint Reading	2
444-300	Shop Computing	2
444-301	Metrology	2
444-302	Semi-Precision Machining	2
444-305	Milling Fundamentals	2
804-306	Shop Mathematics I	2
	Credits	12
<b>Semester 2</b>		
444-308	Milling Applications	2
804-308	Shop Mathematics II	2
	Credits	4
	Total Credits	16