Computer Numerical Control (CNC) Technician (BP) Associate in Applied Science Degree

Semester Sequence - Part-Time

Offered at Brooklyn Park Only

First Semester MACH1056 MACH1100 MACH1105	Blueprint Reading I Introduction to Machining Technology Drilling and Sawing Processes	3 3 2
Total Credits 8		
Second Semester MACH1110 MACH1125 MACH1135	Turning Technology I Milling Technology I Precision Grinding	3 3 2
Total Credits 8		
Summer Semester MATH1150	Applications of Quantitative Reasoning or	3
MATH1400	College Algebra	4
	General Education Electives	3
Total Credits 6		
Third Semester MACH1120 MACH1130 MACH1140	Turning Technology II Milling Technology II Introduction to CNC	3 3 3
Total Credits 9		
Fourth Semester MACH2410 MACH2420 MACH2425	CAD/CAM Blueprint Reading II for Machinists Geometry/Trigonometry for Machinists Technical Studies Electives	3 2 2 4
Total Credits 9		7
Summer Semester		
ENGL1070	Technical Writing or	3
ENGL1100	Writing and Research	4
Total Credits 3		
Fifth Semester MACH2400 MACH2406	CNC Setup and Operation CNC Programming	3 3
	Technical Studies Electives	3



 hennepintech.edu
 Brooklyn Park Campus 9000 Brooklyn Boulevand
 Eden Prairie Campus 13100 College View Drive Brooklyn Park, S6443

 HTC is an affirmative action, equal opportunity scluster and employse.
 This document is mellable in alternative formats is individual.



Total Credits 9

Sixth Semester MACH2415 MACH2430 MACH2435	CNC Milling CNC Machining Centers CNC Turning Centers	3 3 3
Total Credits 9		
Summer Semester PHIL1100 PHYS1005	Critical Thinking for College Success or Introductory Physics I	3 3
Total Credits 3		
Seventh Semester MACH2440 MACH2500	Quality Assurance Introduction to Swiss-Style Machining General Education Electives	2 3 3

Total Credits 8

Recommended.

Technical Studies Electives

Recommended.		
MACH1145	Machinists Reference Materials	1
MACH1900	Specialized Lab	1 - 4
MACH2450	Fundamentals of EDM	2
MACH2470	Advanced CNC Turning Centers	3
MACH2600	Introduction to Quality Assurance	3
MACH2610	Inspection Processes	3
MACH2615	Inspection Equipment and Techniques	3
MACH2620	Quality Systems	3
MACH2625	Computer Analysis of Manufacturing Data	2
METS1000	Computers in Manufacturing	3
ENGC1050	Additive Manufacturing	3
ENGC1250	SOLIDWORKS I	4

Choose a Total of: 7 Credits

General Education Electives

A complete list of Minnesota Transfer Curriculum (MnTC) courses and Goal Areas that can be used to meet General Education requirements can be found at www.hennepintech.edu. The same course cannot satisfy more than one MnTC Goal Area requirement.

Choose a Total of: 6 Credits

Graduation (72 Credits)

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

5/6/2024 : BP 4304 / EP



Hennepin Technical College"

 hennepintech.edu 952-995-1300
 Brooklyn Park Campus 9000 Brooklyn Boulevard Brooklyn Park, 55445
 Eden Prairie Campus 13100 College View Drive Eden Prairie. NN 55347

 HTG is an affirmative action, equal opportunity educator and emolynover. This document is available in advantume formate to individuals with disabilities or used advantume or used disabilities may constant us with their centered relationships.
 Eden Prairie Campus 13100 College View Drive Eden Prairie. NN 55347

