

Engineering CAD Technology (BP/EP) Associate in Applied Science Degree

Semester Sequence - Brooklyn Park

First Semester

ENGC1160	Inventor	4
ENGC2100	Basic Creo Parametric	4
MACH1056	Blueprint Reading I	3
METS1020	Industrial Manufacturing Processes	3
MATH2050	Applications of Quantitative Reasoning	3
	or	
MATH2200	College Algebra	4

Total Credits 17

Second Semester

ENGC1060	Design for Additive Manufacturing	3
ENGC1100	AutoCAD	4
ENGC1250	SOLIDWORKS I	4
ENGC2110	Advanced Creo Parametric	4

Total Credits 15

Summer Semester

ENGC1050	Additive Manufacturing (elective)	3
ENGL2121	Writing and Research	4
	or	
ENGL2125	Technical Writing	3
PHIL2100	Critical Thinking for College Success	3
	or	
PHYS2001	Introductory Physics	3

Total Credits 9

Third Semester

ENGC1011	Engineering Drawing	3
ENGC1041	Geometric Dimensioning & Tolerancing	3
ENGC1201	Industrial CAD Project	3
ENGC1255	SOLIDWORKS II	4
ENGC2001	Mechanical Design	3
	or	
METS2000	Engineering Design Principles	3

Total Credits 16

Fourth Semester

ENGC1021	Working Drawings	3
ENGC2011	Special Fields of Drafting	3
ENGC2075	Engineering Design Project	3
	General Education Electives	6

Total Credits 15

Technical Studies Electives

Recommended:

ARET1200	Introduction to Robotics	2
ENG1050	Additive Manufacturing	3
ENG1070	Additive Manufacturing Finishing Techniques	3
ENG1900	Specialized Lab	1 - 4
ENG2200	Engineering CAD Technology Internship	3 - 4
FLPW1101	Fluid Power Technology I	3
MACH1205	Machine Tool Technology	3

Choose a Total of: 3 Credits

General Education Electives

A complete list of 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.

Hennepin Technical College’s 2000-level general education courses meet the guidelines of the Minnesota Transfer Curriculum (MnTC).

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.

4/27/2021 : BP 4104 / EP 4105