

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
MATH1150	Applications of Quantitative Reasoning or	3
MATH1400	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
ENGL1070	Technical Writing or	3
ENGL1100	Writing and Research	4
PHIL1100	Critical Thinking for College Success or	3
PHYS1005	Introductory Physics I	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 or	3
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
ENGC1050	Additive Manufacturing	3
ENGC1070	Additive Manufacturing Finishing Techniques	3
ENGC1900	Specialized Lab	1 - 4
ENGC2200	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.

Choose credits from Hennepin Technical College's Minnesota Transfer Curriculum (MnTC) general education courses.

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.

5/23/2022 : BP 4104 / EP 4105