

## 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
ENG1050	Additive Manufacturing	3
ENG1070	Additive Manufacturing Finishing Techniques	3
ENG1130	AutoCAD Electrical	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](http://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.

1/3/2023 : BP 4104 / EP 4105