

A major of 30 units is required for the certificate.

**Required core courses (18 units):**

COURSE	TITLE	UNITS
<input type="checkbox"/> MT 109	Survey of Machining and Manufacturing	4
<input type="checkbox"/> MT 110	CNC G Code	4
<input type="checkbox"/> MT 111	CNC CAD/CAM	4
<input type="checkbox"/> MT 115	Lean Manufacturing	3
<input type="checkbox"/> MT 117	Print Reading and Interpretation	3

**Plus 12 units in the following area of specialization:**

COURSE	TITLE	UNITS
<input type="checkbox"/> MT 112	CNC Multi-Axis	4
<input type="checkbox"/> MT 113	SolidWorks 1	3
<input type="checkbox"/> MT 114	SolidWorks 2	3
<input type="checkbox"/> MT 116	Mastercam 1 (CAD/CAM)	3
<input type="checkbox"/> MT 118	Understanding and Measuring GD&T	3
<input type="checkbox"/> MT 300	Shop Math and Measurement	3
<input type="checkbox"/> MT 301	Introduction to Safety	2
<input type="checkbox"/> MT 302	Quality & Process Improvement	2
<input type="checkbox"/> MT 303	Manufacturing Processes and Production	2
<input type="checkbox"/> MT 304	Maintenance Awareness	2

## Suggested Course Sequence

The "Suggested Course Sequence" is an example of how to complete the requirements plus any additional general education that may be needed. If you would like to create a personalized Student Education Plan (SEP), schedule a meeting with a counselor.

### FALL SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> elective	major elective group 1	4
<input type="checkbox"/> elective	major elective group 2	3
<input type="checkbox"/> MT 109	Survey of Machining and Manufacturing	4
<b>Total Units</b>		8-10

#### Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library and tutoring
- Review Financial Aid Requirements
- Apply AHC Scholarship

### SPRING SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> MT 110	CNC G Code	4
<input type="checkbox"/> MT 117	Print Reading and Interpretation	3
<b>Total Units</b>		7

#### Tasks:

- Set up Jobspeaker
- Attend Career Exploration Day
- FAFSA or Dream Act due March 2
- Apply AHC Scholarship

### FALL SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> MT 111	CNC CAD/CAM	4
<input type="checkbox"/> elective	major elective group 3	2-4
<b>Total Units</b>		6-8

#### Tasks:

- Meet with a Counselor
- Develop Resume at Career Center
- Review Financial Aid Requirements
- Apply for AHC Scholarship

### SPRING SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> MT 115	Lean Manufacturing	3
<input type="checkbox"/> elective	major elective group 4	4
<b>Total Units</b>		7

#### Tasks:

- Apply for Certificate with Counseling
- Utilize Job Search Resources
- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day