

Program Requirements:

"Program Requirements" specify the courses required for this program. See suggested course sequence for additional information.

A total of 30 units is required for the associate in science degree.

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"/> MT 109	Survey of Machining and Manufacturing	4
<input type="checkbox"/> elective	major elective group 1	3
<input type="checkbox"/> elective	major elective group 2	3
<input type="checkbox"/> AHC GE Req	Area 2: Mathematical Concepts and Quantitative Reasoning	3-5
<input type="checkbox"/> AHC GE REQ	Area 4B: United States History and Government	3
Total Units		16-18

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"/> ENGL 101	Freshman Composition: Exposition	4
<input type="checkbox"/> MT 110	CNC G Code	4
<input type="checkbox"/> MT 117	Print Reading and Interpretation	3
<input type="checkbox"/> ELECTIVE	MAJOR ELECTIVE GROUP 3	2-4
Total Units		13-15

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"/> ELECTIVE	MAJOR ELECTIVE GROUP 4	2-4
<input type="checkbox"/> MT 111	CNC CAD/CAM	4
<input type="checkbox"/> AHC GE REQ	Area 4A: Social and Behavioral Sciences	3
<input type="checkbox"/> AHC GE REQ	Area 3: Arts and Humanities	3
<input type="checkbox"/> AHC GE Req	Area 6: Ethnic Studies	3
<input type="checkbox"/> AHC GE REQ	Area 1B: Oral Comm. and Critical Thinking	3
Total Units		18-20

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 112	CNC Multi-Axis	4
<input type="checkbox"/> MT 115	Lean Manufacturing	3
<input type="checkbox"/> AHC GE REQ	Area 5: Natural Science	3-4
<input type="checkbox"/> AHC GE REQ	Area 7: Living Skills	3
<input type="checkbox"/> AHC Grad Req	Dance or Physical Activity	.5-3
Total Units		13.5-17

Tasks:

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