

Computer Numerical Control Machine Operations

Associate of Applied Science Degree

Track 2: (Evening)

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
First Semester (Fall)				
MAC 161	Machine Shop Practices I	2	3	3
MAC 121	Numerical Control	1	2	2
SAF 130	Industrial Safety	1	0	1
SDV 101	Orientation to College Success	1	0	1
Total		5	5	7
Second Semester (Spring)				
DRF 161	Blueprint Reading I	1	3	2
MAC 162	Machine Shop Practices II	2	3	3
MAC 116	Machinist Handbook	2	0	2
MAC 122	Numerical Control II	1	2	2
Total		6	8	9
Third Semester (Fall)				
MAC 163	Machine Shop Practices III	2	3	3
MAC 150	Introduction to Computer Aided Manufacturing	2	4	3
MAC 123	Numerical Control III	2	3	3
Total		6	10	9
Fourth Semester (Spring)				
MAC 164	Machine Shop Practices IV	2	3	3
MAC 126	Intro to Computer Numerical Control Programming	2	3	3
MAC 111	Machine Trade Theory & Computation I	3	0	3
Total		7	6	9
Fifth Semester (Summer)				
ENG 115	Technical Writing	3	0	3
MTH 111	Basic Technical Mathematics	3	0	3
EEE	Social Science Elective ¹	3	0	3
MAC 209	Standards, Measurements, and Calculations	3	0	3
Total		12	0	12
Sixth Semester (Fall)				
MAC 206	Production Machining Techniques	4	6	6
MAC 127	Advanced CNC Programming	3	0	3
PED	Physical Education ⁴	0	3	1
Total		7	9	10
Seventh Semester (Spring)				
MAC 290	Coordinated Internship or Technical Elective ²	0-3	0-15	3
EEE	Humanities Elective ³	3	0	3
EEE	Social Science Elective ¹	3	0	3
Total		6-9	0-15	9
Total Minimum Credits for AAS Degree				65

Footnotes:

¹Students must take 6 credits of social science. Recommended social science courses include ECO 201-202; GEO 210; HIS 101-102; HIS 121-122; PLS 135;; PSY 200; SOC 200.

²Coordinated Internship: Students are encouraged to take MAC 290 after satisfactory completion of the third semester with approval of Faculty, or

a student may take as a technical elective any 3 credit course with course prefix DRF, MAC, MEC, SAF, or WEL.

³Students must take 3 credits of humanities. Recommended humanities courses include ART 201, 202; MUS 121, 122; REL 200, 210, 230; CST 130, 151, 152; PHI 101; foreign language or literature.

⁴Students may substitute any HLT course for physical education requirements.