

Planning to achieve a One Year Certificate in Manufacturing Technology at the MATC

To achieve an One Year Manufacturing Technology Certificate requires 47 credits (Effective 2011 Catalog).

- If you are pursuing this certificate within the AAS in Manufacturing Technology, your One Year Manufacturing Technology Certificate courses will be your first year courses.
- If you are pursuing only the Manufacturing Technology Certificate you can expect this to program to require 3 terms to complete. Depending on your math placement, you can expect to take between 15 and 16 credit hours per term completing this program
- Transitional math courses (MTH 10,20,60) do not count towards certificate requirements and must be added to the 47 credit count.

This document provides a suggested course sequence, listed term-by-term to illustrate how this program can be completed in 3 terms. Use this document as a general planning tool as you build your individual plan.

Now realistically, you may face challenges to making this sequence happen in 3 terms. You may have financial constraints, job and family obligations or you just don't feel comfortable taking that high a class load per term. By slipping courses from one term to another you can reduce your term-by-term workload. There's nothing wrong with that except that it means you will need to plan on spending more time (and possibly money) earning your degree. That is the tradeoff you must make.

Keep in mind when planning, you should always consult with your financial aid advisor to determine if there are any restrictions or other issues related to your credit loads per term or total time to get your degree.

The suggested sequence assumes a Fall Term start. If you start in Winter or Spring terms, your sequence will still generally be the same. However you may have to make some adjustments in your plan based on where the summer term falls in your plan and when some of the non-MATC courses that may not be available every term are offered.

Suggested Course Sequence plan for 1 Year Manufacturing Technology Certificate

47 Total Credits Required

Term 1

Class Number	Description	Credits
MFG 100	MATC Orientation	1
MFG 101	Blueprint Reading	2
MFG 103	Weld Technology I	3
MFG 110	Manufacturing Processes I	3
MTH Class	Math Class- MTH 010,020,060 or 085 (depending on placement scores and class availability)	4
CIS 070	Introduction to Computers: Windows	2
Total		15

Term 2

Class Number	Description	Credits
MFG 105	Weld Technology II	3
MFG 112	Manufacturing Processes II	3
MFG 109	Lean Practices	2
MFG 115	Design Processes I	2
MFG 116	Manufacturing Electrical Systems	2
WR 60 ¹	Rhetoric and Critical Thinking	4
Total		16

Term 3

Class Number	Description	Credits
MFG 107	Weld Technology III	3
MFG 114	Manufacturing Processes III	3
MFG 118	Fluid Power Systems	2
MFG 133	Quality Assurance	3
MFG 160	Materials Engineering	2
SP218, BA285 or PSY 101 ^{1, 2}	Business Human Relations OR Interpersonal Communications OR Applied Psychology	3
Total		16

¹ If MTH 085 not achieved, substitute next transitional Math Class

² If transitional Math classes are substituted, suggest taking, WR60, and Human Relations required course (SP218, BA285 or PSY 101) during Summer Term to keep on schedule. Note PSY 207 will be renumbered to PSY 101 starting Fall 2013