

## **Fabrication Technologies - Academic Planner**

Associate of Applied Science Degree: 10-457-1

Campus: Fond du Lac

Curriculum for 2014-2015

2/1/2014

	Cou	ırse		Но	urs / \	Week	Total			•	Гуріс	ally	
T/G	Subj	Num		Lec	Lab	Other	Hours	Credits	Prerequisites and/or Corequisites		Offe		Comments
			Term 1:							s	F	SP	
			New Program Students: Attend New Stud	lent Orien	tatior	and yo	our Priori	ty Registra	tion Session				
	103	159	**Computer Literacy - Microsoft Office		2		36	1		х	х	х	**Institutional Requirement. May be eligible for Advanced Standing.
Т	442	109	Welding for Fabricators	1	6		126	4	Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 890-101 College 101		x		
Т	457	145	Metal Fabrication	1	6		126	4	Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 442-109 Welding for Fabricators; 623-110 Technical Print Reading; 804-113 College Technical Mathematics 1A; 890-101 College 101		x		Student project may incur additional fees.
Т	623	110	Technical Print Reading	1	2		54	2	Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 804-113 College Technical Mathematics 1A		x		
G	804	113	College Technical Mathematics 1A	3			54	3		х	х	х	
	890		**College 101	2			36	2		х	х	х	**Institutional Requirement
			Total 1st Term Credits					16					
			rotal for rollin Ground										
			Term 2:							S	F	SP	
Т	457	146	Advanced Fabrication Techniques*	1	6		126	4	457-145 Metal Fabrication; Completion of or concurrent enrollment in 457-148 Metal Cutting and Forming Processes			х	
Т	457	147	Metallurgy	2			36	2				х	
Т	457		Metal Cutting and Forming Processes	1	4		90	3	Completion of or concurrent enrollment in 623-110 Technical Print Reading; 804-113 College Technical Mathematics 1A			х	
Т	623	162	Manufacturing Processes	2	2		72	3			х	х	
G	801		English Composition 1	3			54	3		х	х	Х	
G	804		College Technical Mathematics 1B	2			36	2	804-113 College Technical Mathematics 1A	х	х	х	
			Total 2nd Term Credits					17	j i				

Subj	A Laurence					Total			Typically			
	Num	Title	Lec	Lab	Other	Hours	Credits	Prerequisites and/or Corequisites		Offer		Comments
		Term 3:							S	F	SP	
457				4		72	2	457-146 Advanced Fabrication Techniques; 457-147 Metallurgy; 457-148 Metal Cutting and Forming Processes		x		Program restricted. It is recommended that students take 457-111 Integrated Manufacturi Production - Fabrication Technologies the semester after completing this course.
617	114	CAD 3D, SolidWorks	2	2		72	3		х	x	x	Previous drafting experience or course and previous work on computers (Microsoft production such as Word, Excel, etc.) is recommended.
				_				9				
		9 9		2				804-113 College Technical Mathematics 1A				A print reading background is recommended.
				_				2244440 11 7 1 1 1 1 1 1 1 1 1 1 1 1	Х			
806			3	2		90	•	804-114 College Technical Mathematics 1B		Х	Х	
		Total 3rd Term Credits					18					
		-							S	F	SP	
		Apply for Graduation when completing Tern	n 4 reg	gistra	tion.							
457				4		72	2	457-110 Integrated Manufacturing Planning - Fabrication Technologies			x	Program restricted. It is recommended that students take this course the semester after completing 457-110 Integrated Manufacturing Planning - Fabrication Technologies
628	122	Basic CNC Programming and Operation	1	4		90	3	103-159 Computer Literacy - Microsoft Office; Completion of or concurrent enrollment in 623-162 Manufacturing Processes or dean consent		х	x	
809	166	Introduction to Ethics: Theory and Application	3			54	3	801-136 English Composition 1	х	х	х	
809	195	Economics	3			54	3	801-136 English Composition 1	х	х	Х	
809	199	Psychology of Human Relations	3			54	3		х	х	х	
		Total 4th Term Credits					14					
		Total Program Credits and Institutional Requirements										
			-Micro	soft (	Office a	and 890-	101 Colleg	e 101 are Institutional Requirements for graduation. C	ons	eque	ntly, t	hey are not part of the program credit
	617 623 623 801 806 457 628 809 809	457 110 617 114 623 151 623 196 801 196 806 137 457 111 628 122 809 166 809 195 809 199	151 Lean Manufacturing 623 196 Geometric Dimensioning and Tolerancing 801 196 Oral and Interpersonal Communication 806 137 Comprehensive Technical Physics Total 3rd Term Credits  Term 4: Apply for Graduation when completing Term  Integrated Manufacturing Production - Fabrication Technologies*  122 Basic CNC Programming and Operation 809 166 Introduction to Ethics: Theory and Application 809 195 Economics 809 199 Psychology of Human Relations Total 4th Term Credits  Total Program Credits and Institutional Req **The credits for 103-159 Computer Literacy- requirements.	457 110 Fabrication Technologies  617 114 CAD 3D, SolidWorks 2  623 151 Lean Manufacturing 2  623 196 Geometric Dimensioning and Tolerancing 2  801 196 Oral and Interpersonal Communication 3  806 137 Comprehensive Technical Physics 3  Total 3rd Term Credits  Term 4:  Apply for Graduation when completing Term 4 reg  Integrated Manufacturing Production - Fabrication Technologies*  628 122 Basic CNC Programming and Operation 1  809 166 Introduction to Ethics: Theory and Application 3  809 195 Economics 3  809 199 Psychology of Human Relations 3  Total 4th Term Credits  Total Program Credits and Institutional Requirements.	457 110 Fabrication Technologies 4  617 114 CAD 3D, SolidWorks 2 2  623 151 Lean Manufacturing 2 2 2  623 196 Geometric Dimensioning and Tolerancing 2 2  801 196 Oral and Interpersonal Communication 3  806 137 Comprehensive Technical Physics 3 2  Total 3rd Term Credits  Term 4:  Apply for Graduation when completing Term 4 registra  Integrated Manufacturing Production - Fabrication Technologies* 4  628 122 Basic CNC Programming and Operation 1 4  809 166 Introduction to Ethics: Theory and Application 3  809 195 Economics 3  809 199 Psychology of Human Relations 3  Total 4th Term Credits  Total Program Credits and Institutional Requirements  **The credits for 103-159 Computer Literacy-Microsoft or requirements.	457 110 Fabrication Technologies 4  617 114 CAD 3D, SolidWorks 2 2  623 151 Lean Manufacturing 2 2 2  801 196 Geometric Dimensioning and Tolerancing 2 2  801 196 Oral and Interpersonal Communication 3  806 137 Comprehensive Technical Physics 3 2  Total 3rd Term Credits  Term 4:  Apply for Graduation when completing Term 4 registration.  Apply for Graduation when completing Term 4 registration.  Integrated Manufacturing Production - Fabrication Technologies* 4  628 122 Basic CNC Programming and Operation 1 4  809 166 Introduction to Ethics: Theory and Application 3  809 195 Economics 3  809 199 Psychology of Human Relations 3  Total 4th Term Credits  Total Program Credits and Institutional Requirements  **The credits for 103-159 Computer Literacy-Microsoft Office a requirements.	110   Fabrication Technologies	110   Fabrication Technologies	Integrated Manufacturing Planning - 4 72 2 457-147 Metallurgy; 457 110 Fabrication Technologies 4 72 2 457-148 Metal Cutting and Forming Processes  617 114 CAD 3D, SolidWorks 2 2 2 72 3 623-162 Manufacturing Processes  623 151 Lean Manufacturing 2 2 2 72 3 or dean consent  623 196 Geometric Dimensioning and Tolerancing 2 2 2 72 3 804-113 College Technical Mathematics 1A  806 137 Comprehensive Technical Physics 3 2 90 4 804-114 College Technical Mathematics 1B  7 Total 3rd Term Credits 18  807 191 Fabrication Technologies* 4 72 2 Technologies  808 122 Basic CNC Programming and Operation 1 4 90 3 623-162 Manufacturing Planning - Fabrication Fabrication Technologies* 103-159 Computer Literacy - Microsoft Office; Completion of or concurrent enrollment in 623-162 Manufacturing Processes or dean consent 14  809 195 Economics 3 54 3 801-136 English Composition 1  809 199 Psychology of Human Relations 3 54 3 801-136 English Composition 1  809 199 Psychology of Human Relations 3 54 3 801-136 English Composition 1  809 199 Psychology of Human Relations 3 54 3 801-136 English Composition 1  809 199 Psychology of Human Relations 3 54 3 801-136 English Composition 1  809 104 Program Credits and Institutional Requirements 65  809 105 Economics 65  809 107 Program Credits and Institutional Requirements 65	Integrated Manufacturing Planning - Fabrication Technologies  4 72 2 457-147 Metallurgy; 457-148 Metal Cutting and Forming Processes  4 72 2 457-148 Metal Cutting and Forming Processes  2 2 2 72 3 2 457-148 Metal Cutting and Forming Processes  4 457-148 Metal Cutting and Forming Processes  4 457-148 Metal Cutting and Forming Processes  4 523-162 Manufacturing Processes  5 623-162 Manufacturing Processes  7 628-162 Manufacturing Processes  8 629 196 Geometric Dimensioning and Tolerancing 2 2 72 3 804-113 College Technical Mathematics 1A  8 7 7 7 8 804-113 College Technical Mathematics 1B  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Integrated Manufacturing Planning -   4   72   2   457-147 Metallurgy;   457-148 Metal Cutting and Forming Processes   x   x   x   x   x   x   x   x   x	Integrated Manufacturing Planning -

T/G: T - Technical Studies course; G - General Studies course

Semester Codes: S-Summer; F-Fall; SP-Spring

Curriculum and program acceptance requirements are subject to change.

If Student Success Center or General College courses (ie: 831-103 Intro to College Writing, 838-104 Intro to College Reading, 834-109 Pre-Algebra) are required based on college placement; or if the student elects part-time enrollment, the time required to complete the program will increase.

For a complete list of course descriptions for this program, please consult the College Catalog at http://www.morainepark.edu/MPTCCatalog.