

Diploma Degree in Industrial Engineering Technology (65 Credit Hours) - Work Sheet

Technology Core Requirements (35 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
Engineering Technology Fundamentals (2-3 credits)							
<input type="checkbox"/>	ET 106	Introduction to Engineering Technology	3	None			
or							
<input type="checkbox"/>	ET 131	Transforming Ideas to Innovations I	2	None			
Human Factors and Work Methods (6 credits)							
<input type="checkbox"/>	IET 257	Work Analysis and Design	3	Pre: MET 106 or IET 230			
<input type="checkbox"/>	IET 267	Work Methods Design	3	ConP: IET 105			
Manufacturing and Production (6-9 credits)							
<input type="checkbox"/>	IET 224	Integrated Production Systems I	3	Pre: MA 159 or ConP: MA 165 or MA 227			
and							
<input type="checkbox"/>	IET 370	Manufacturing Processes I	3	ET 190			
or							
<input type="checkbox"/>	MET 180	Structure and Properties of Materials	3	Pre: ET 106 or ET 131 and , ConP: MA 159 or ConP: MA 165 or MA 227			
<input type="checkbox"/>	IET 310	Plant Layout and Material Handling	3	Pre: MET 104 or MET 163, and MA 159 or ConP: MA 165			
Quality Control and Statistical Analysis (5-6 credits)							
<input type="checkbox"/>	IET 204	Techniques of Maintaining Quality	3	MA 159 or ConP: MA 165 or MA 227			
and							
<input type="checkbox"/>	MET 106	Analytical and Computational Tools in MET	2	None			
or							
<input type="checkbox"/>	IET 230	Probability and Statistics	3	ConP: MA 165 or MA 227			

Industrial Engineering Technology Selective (6 credits)							
<input type="checkbox"/>	IET 105	Industrial Management	3	None			
and							
<input type="checkbox"/>	MET 223	Introduction To Mechanical Engineering Design, Innovation And Entrepreneurship	3	Pre: ET 106 or ET 131 and MET 104 or MET 163			
or							
<input type="checkbox"/>	IET 332	Computing in Industrial Engineering	3	Pre: ET 106 or ET 131, ConP: IET 230			
Engineering Technology Breadth (3-6 credits)							
<input type="checkbox"/>	ECET 201	Linear Circuit Analysis I	3	ConP: MA 165 or MA 227			
<input type="checkbox"/>	ET 190	Basic Mechanics I	3	Pre: MA 159 or ConP: MA 165 or MA 227			
<input type="checkbox"/>	MET 104	Technical Graphics Communications	3	ConP: MA 159 or ConP: MA 165			
Engineering Technology Project (3 credits)							
<input type="checkbox"/>	MET 335	Basic Machining	3	Pre: MET 104 or MET 163, and MET180 or IET 370, and PHYS 218 All with grades of C- or better.			
or							
<input type="checkbox"/>	IET 384	Integrated Production Systems II	3	IET 224			

Technology Core Req. Credits Planned (35): _____

Credits Completed: _____

Credits Remaining: _____

Math and Science Requirements (12-13 credit hours)

Quantitative Reasoning (8-9 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	MA 159	Precalculus	5	None			
<input type="checkbox"/>	MA 227	Calculus for Technology I	4	Pre: Placement Test or MA 158 or MA 159 or MAT 110			
or							
<input type="checkbox"/>	MA 160	College Algebra and Trigonometry	0	None			
<input type="checkbox"/>	MA 165	Analytic Geometry and Calculus I	4	Pre: Placement Test or Pre: MA 158, or MAT 110 or ConP: MA 159 , or ConP: MA 160			
<input type="checkbox"/>	MA 166	Analytic Geometry and Calculus II	4	Pre: MA 165 or MA 227			

Quantitative Reasoning Credits Planned (8-9): _____

Credits Completed: _____

Credits Remaining: _____

Scientific Ways of Knowing (4 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	PHYS 218	Modern Mechanics	4	Pre: MA 159 or MAT 125 or MAT 175 or MA 161 or MA 223 or ConP: MA 165 or MA 227			

Scientific Ways of Knowing Credits Planned (4): _____

Credits Completed: _____

Credits Remaining: _____

Liberal Arts Requirements (17 -18 credit hours):

English Language and Communication Skills (9 - 10 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	ENGL 100	English for Academic Studies	3	None			
<input type="checkbox"/>	COM 114	Fundamentals of Speech Communication	3	Pre: ENGL 100			
and							
<input type="checkbox"/>	ENGL 107	First-Year Composition	4	Pre: ENGL 100			
or							
<input type="checkbox"/>	ENGL 106	English Composition	3	Pre: ENGL 100			

General Education Requirement (8 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Liberal Arts Credits Planned (17-18): _____

Credits Completed: _____

Credits Remaining: _____

Total Credits Required for Degree: 65

Total Credits Planned: _____

Total Credits Completed: _____

Total Credits Remaining: _____