

Work Sheet - Mechanical Engineering Technology

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

Technology Core Requirements (27-30 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 (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			
<input type="checkbox"/>	MET 290	Global Engineering Technology Professional Seminar	1	Sophomore			
Mechanics and Materials (9 credits)							
<input type="checkbox"/>	ET 190	Basic Mechanics I	3	Pre: MA 159 or ConP: MA 165 or MA 227			
<input type="checkbox"/>	ET 200	Mechanics Of Materials	3	Pre: ET 190 with a grade of C- or better			
<input type="checkbox"/>	MET 180	Structure and Properties of Materials	3	Pre: ET 106 or ET 131 with a grade of C- or better and ConP: MA 159 or ConP: MA 165 or MA 227			
Mechanical Engineering Technology Graphics and Design (5-6 credits)							
<input type="checkbox"/>	MET 223	Introduction To Mechanical Engineering Design, Innovation And Entrepreneurship	3	Pre: ET 106, or ET 131 with a grade of C- or better MET 104 or MET 163 with a grade of C- or better			
and							
<input type="checkbox"/>	MET 104	Technical Graphics Communications	3	ConP: MA 159 or MA 165			
or							

<input type="checkbox"/>	MET 163	Graphical Communication and Spatial Analysis	2	None			
Engineering Technology Programming Essentials (3 credits)							
<input type="checkbox"/>	ECET 114	Introduction to Visual Basic	3	None			
or							
<input type="checkbox"/>	ENG 200	Programming Applications for Engineering	3	Pre: ET 106 or ET 131			
Engineering Technology Breadth (4-6 credits)							
<input type="checkbox"/>	IET 204	Techniques of Maintaining Quality	3	Pre: MA 159 or ConP: MA 165 or MA 227			
and							
<input type="checkbox"/>	IET 105	Industrial Management	3	None			
or							
<input type="checkbox"/>	IET 104	Industrial Management Seminars	1	None			
Engineering Technology Project (3 credits)							
<input type="checkbox"/>	MET 335	Basic Machining	3	Pre: MET104, or MET 163 and IET 370 or MET 180, and PHYS 218 All with grades of C- or better			

Technology Core Req. Credits Planned (27-30): _____

Credits Completed: _____

Credits Remaining: _____

Math and Science Requirements (15-16 credit hours)

Quantitative Reasoning (11-12 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			
<input type="checkbox"/>	STA 205	Applied Statistics for Engineering Technology	3	Pre: MA 159 or ConP: MA 165 or MA 227			
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			
<input type="checkbox"/>	STA 205	Applied Statistics for Engineering Technology	3	Pre: MA 159 or ConP: MA 165 or MA 227			

Quantitative Reasoning Credits Planned (11-12 credits): _____ 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): _____ Credits Completed: _____ Credits Remaining: _____

Liberal Arts Requirements (19-23 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			

Scie. Ways of Knowing Cr. Planned (4 credit): _____ Scie. Ways of Knowing Cr. Completed: _____ Scie. Ways of Knowing Cr. Remaining: _____

General Education Requirement (10-13 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"/>							

Liberal Arts Credits Planned (19-23 credit): _____ Credits Completed: _____ Credits Remaining: _____

Total Credits Required for Degree: 65 **Total Credits Planned: _____** **Total Credits Completed: _____** **Total Credits Remaining: _____**