

## Sample Plan of Study - MET

<b>Sample Plan of Study</b>							
<b>Mechanical Engineering Technology - without summer semesters</b>							
<b>Freshman Year</b>							
<b>Semester 1</b>				<b>Semester 2</b>			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
IET 105	Industrial Management	3	none	ENGL 106	English Composition	3	ENGL 100
ENGL 100	English for Academic Studies	3	none	MET 180	Structure and Properties of Materials	3	ET 106 or ET 131 ( C-) and ConP: MA 159 or ConP: MA 165 or MA 227
ET 106	Introduction to Engineering Technology	3	none	ET 190	Basic Mechanics I	3	MA 159 , or ConP: MA 165 or MA 227
GEE	General Education Elective	2	none	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
MA 159	Precalculus	5	none	MET 104	Technical Graphics Communications	3	ConP: MA 159 or MA 165
<b>Semester Credits =</b>		<b>16</b>		<b>Semester Credits =</b>		<b>16</b>	
<b>Sophomore Year</b>							
<b>Semester 3</b>				<b>Semester 4</b>			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
GEE	General Education Elective	3		ECET 114	Introduction To Visual Basic	3	none
ET 200	Mechanics of Materials	3	ET 190 (min C-)	STA 205	Applied Statistics for Engineering Technology	3	MA 159 or ConP: MA 165 or MA 227
IET 204	Techniques of Maintaining Quality	3	MA 159 or ConP: MA 165 or MA 227	COM 114	Fundamentals of Speech Communication	3	ENGL 100
MET 223	Introduction To Mechanical Engineering Design, Innovation And Entrepreneurship	3	ET106 or ET131 (C-), and MET104 or MET163 (C-)	MET 335	Basic Machining	3	MET104 or MET163(C-), MET 180 or IET 370 (C-), and PHYS 218 (C-)
MA 227	Calculus for Technology I	4	Placement Test or MA 158 or MA 159 or MAT 110	GEE	General Education Elective	5	
<b>Semester Credits =</b>		<b>16</b>		<b>Semester Credits =</b>		<b>17</b>	
<b>Total Credits = 65</b>							
<b><i>The sample plan of study is designed for a full time student within an ordinary graduation period between two and three years.</i></b>							

**Sample Plan of Study**

**Mechanical Engineering Technology - without summer semesters**

**Freshman Year**

<b>Semester 1</b>				<b>Semester 2</b>			
<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>	<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>
ET 131	Transforming Ideas to Innovations I	2	none	ENGL 107	First-Year Composition	4	ENGL 100
ENGL 100	English for Academic Studies	3	none	MET 180	Structure and Properties of Materials	3	ET 106 or ET 131( C-) and , ConP: MA 159 or ConP: MA 165 or MA 227
GEE	General Education Elective	5		ET 190	Basic Mechanics I	3	MA159 or ConP: MA 165 or MA 227
MA 165	Analytic Geometry and Calculus I	4	Pre: Placement Test or MAT 110 or Pre: MA 158, or ConP: MA 159 or ConP: MA 160	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
MA 160	College Algebra and Trigonometry	0	none	MET 163	Graphical Communication and Spatial Analysis	2	none
<b>Semester Credits =</b>			<b>14</b>	<b>Semester Credits =</b>			<b>16</b>

**Sophomore Year**

<b>Semester 3</b>				<b>Semester 4</b>			
<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>	<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>
GEE	General Education Elective	3		ENG 200	Programming Applications for Engineering	3	ET 106 or ET 131
ET 200	Mechanics of Materials	3	ET 190 (C-)	STA 205	Applied Statistics for Engineering Technology	3	MA 159 or ConP: MA 165 or MA 227
IET 204	Techniques of Maintaining Quality	3	MA159 , or ConP: MA 165 or MA 227	COM 114	Fundamentals of Speech Communication	3	ENGL 100
MET 223	Introduction To Mechanical Engineering Design, Innovation And Entrepreneurship	3	ET106 or ET131 (C-) MET104 or MET163 (C-)	MET 335	Basic Machining	3	MET104(C-)or MET163(C-), MET180 (C-) or IET 370(C-), PHYS218(C-)
IET 104	Industrial Management Seminars	1	none	MET 290	Global Engineering Professional Seminar	1	Sophomore
MA 166	Analytic Geometry and Calculus II	4	MA 165 or MA 227	GEE	General Education Elective	5	
<b>Semester Credits =</b>			<b>17</b>	<b>Semester Credits =</b>			<b>18</b>

**Total Credits = 65**

***The sample plan of study is designed for a full time student within an ordinary graduation period between two and three years.***