

Sample Plan of Study – IET

Sample Plan of Study

Industrial Engineering Technology - without summer semesters

Freshman Year

Semester 1				Semester 2			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
ENGL 100	English for Academic Studies	3	none	ENGL 106	English Composition	3	ENGL 100
MET 106	Analytical and Computational tools in MET	2	none	MET 180	Structure and Properties of Materials	3	ET 106, or ET 131 and ConP: MA 159 or ConP: MA 165 or MA 227
ET 106	Introduction to Engineering Technology	3	none	IET 267	Work Methods Design	3	ConP: IET 105
IET 105	Industrial Management	3	none	MET 104	Technical Graphics Communications	3	ConP: MA 159 or MA 165
MA 159	Precalculus	5	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
Semester Credits = 16				Semester Credits = 16			

Sophomore Year

Semester 3				Semester 4			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
IET 224	Integrated Production Systems I	3	MA 159 or ConP: MA 165 or MA 227	IET 310	Plant Layout and Material Handling	3	MET 104 or MET 163, MA 159 or ConP: MA 165
IET 257	Work Analysis and Design	3	MET 106 or IET 230	GEE	General Education Elective	3	
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	ET 106 or ET 131, MET 104 or MET 163	MET 335	Basic Machining	3	MET 104 or MET 163 (min C-), MET 180 or IET 370 (min C-), PHYS218 (min C-)
MA 227	Calculus for Technology I	4	Placement Test or MA 158 or MA 159 or MAT 110	GEE	General Education Elective	5	
Semester Credits = 16				Semester Credits = 17			

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.

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Freshman Year

Semester 1				Semester 2			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
ENGL 100	English for Academic Studies	3	none	GEE	General Education Elective	1	
GEE	General Education Elective	4		IET 204	Techniques of Maintaining Quality	3	MA 159 or ConP: MA 165 or MA 227
ET 131	Transforming Ideas to Innovations I	2	none	IET 267	Work Methods Design	3	ConP: IET 105
IET 105	Industrial Management	3	none	IET 230	Probability and Statistics in Engineering	3	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	ENGL 107	First Year Composition	4	ENGL 100
MA 160	College Algebra and Trigonometry	0	none	ET 190	Basic Mechanics I	3	Pre: MA 159 or ConP: MA 165 or MA 227
Semester Credits = 16				Semester Credits = 17			

Sophomore Year

Semester 3				Semester 4			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
IET 224	Integrated Production Systems I	3	MA 159 or ConP: MA 165 or MA 227	ECET 201	Linear Circuit Analysis I	3	ConP: MA 165 or MA 227
IET 257	Work Analysis and Design	3	MET 106 or IET 230	GEE	General Education Elective	3	
IET 370	Manufacturing Processes I	3	ET 190	COM 114	Fundamentals of Speech Communication	3	ENGL 100
IET 332	Computing In Industrial Engineering	3	ET 106 or ET 131, ConP: IET 230	IET 384	Integrated Production Systems II	3	IET 224
MA 166	Analytic Geometry and Calculus II	4	MA 165 or MA 227	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
Semester Credits = 16				Semester Credits = 16			

Total Credits = 65

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