

ACADEMIC DIVISION OF ENGINEERING, DESIGN AND ARCHITECTURE			
Degree: ASSOCIATE Credits: 58		CURRICULUM	
Program: MECHANICAL ENGINEERING TECHNOLOGY			
Description: The program emphasizes the analysis, installation, estimation, troubleshooting, and maintenance of new and existing mechanical systems. Graduates will also have the necessary educational background to continue studies towards a Bachelor's Degree in Science of Mechanical Engineering.			
Course Code	Course Title	Credits	Requisites
<b>General Education Courses</b>			
ENGL 152	Communicative English II	3	Placement Exam
ENGL 153	Advanced Communicative English	3	ENGL 152
ENGL 231	Research and Writing	3	ENGL 153
SPAN 152	Fundamentals of reading and writing	3	Placement Exam
SPAN 250	Writing Techniques	3	SPAN 152
MATH 121	Intermediate Algebra	3	Placement exam
MATH 151	Algebra and Trigonometry I	4	MATH 121
SOSC 111	Individual, Community, Government, and Social Responsibility I	3	
HUMA 111	Civilizations and Universal Culture I	3	
		<b>28</b>	
<b>Core Courses</b>			
FSEN 100	Introduction to Engineering Technology	3	
ECTE 122	Introduction to Computer Programming	3	MATH 152 Co-req. or approved
MATH 152	Algebra and Trigonometry II	4	MATH 151
		<b>10</b>	
<b>Concentration Courses</b>			
ENGI 161	Engineering Technology Graphics	3	Co-req. MATH 151 or approved
METE 235	Fundamentals of Properties of Materials	3	Co-req. MATH 151 or approved
METE 235L	Lab. Fundamentals of Properties of Materials	1	Co-req. METE 235
METE 233	Fundamentals of Refrigeration and Air Conditioning	3	Co-req. MATH 121 or approved
METE 233L	Lab. of Fundamentals of Refrigeration and Air Conditioning	1	Co-req. METE 233
METE 245	Fundamentals of Manufacturing Processes Technology	3	METE 235, METE 235L
METE 245L	Lab. of Fund. of Manufacturing Processes Technology	1	Co-req. METE 245
METE 247L	Laboratory of Fundamentals of Welding	1	METE 235, METE 235L
		<b>16</b>	
<b>Elective Courses</b>			
MATH 221	Calculus I	4	MATH 152
METE 250	Principles of Pneumatics and Hydraulics	4	MATH 151
		<b>4</b>	

Minimum grade required: All course of the program must be approved with a minimum grade of C.

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ACADEMIC DIVISION OF ENGINEERING, DESIGN AND ARCHITECTURE			
Degree: ASSOCIATE Credits: 58		PLAN OF STUDY	
Program: MECHANICAL ENGINEERING TECHNOLOGY			
Course Code	Course Title	Credits	Requisites
<b>FIRST YEAR - FIRST SEMESTER</b>			
FSEN 100	Introduction to Engineering Technology	3	
MATH 121	Intermediate Algebra	3	Placement Exam
HUMA 111	Civilizations and Universal Culture I	3	
SPAN 152	Fundamentals of Reading and Writing	3	Placement Exam
ENGL 152	Fundamentals of Reading and Writing	3	Placement Exam
		<b>15</b>	
<b>FIRST YEAR - SECOND SEMESTER</b>			
METE 233	Fundamentals of Refrigeration and Air Conditioning	3	Co-req. MATH 121 or approved
METE 233L	Lab. of Fundamentals of Refrigeration and Air Conditioning	1	Co-req. METE 233
MATH 151	Algebra and Trigonometry I	4	MATH 121
SPAN 250	Writing Techniques	3	SPAN 152
ENGL 153	Advanced Communicative English	3	ENGL 152
		<b>14</b>	
<b>SECOND YEAR - FIRST SEMESTER</b>			
ENGI 161	Engineering Technology Graphics	3	Co-req. MATH 151 or approved
METE 235	Fundamentals of Properties of Materials	3	Co-req. MATH 151 or approved
METE 235L	Lab. Fundamentals of Properties of Materials	1	Co-req. METE 235
ECTE 122	Introduction to Computer Programming	3	Co-req. MATH 152
MATH 152	Algebra and Trigonometry II	4	MATH 151
		<b>14</b>	
<b>SECOND YEAR - SECOND SEMESTER</b>			
METE 245	Fundamentals of Manufacturing Processes Technology	3	METE 235, METE 235L
METE 245L	Lab. of Fund. of Manufacturing Processes Technology	1	Co-req. METE 245
METE 247L	Laboratory of Fundamentals of Welding	1	METE 235, METE 235L
SOSC 111	Individual, Community, Government, and Social Responsibility I	3	
ENGL 231	Research and Writing	3	ENGL 153
	Engineering Elective	4	See electives pre-requisites
		<b>15</b>	