

Bachelor of Science in Engineering Management Technology

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The Program Structure:

Course Code	BS: First Semester Courses	Credit
EMT 101	Communication Skills	5
EMT 102	Technical Communication	5
EMT 103	Engineering Graphics	5
EMT 104	Introduction to Manufacturing	5
EMT 105	Computer Networks	5
EMT 106	Machine Learning	5
TOTAL CREDITS		30
Course Code	BS: Second Semester Courses	Credit
EMT 111	General Chemistry	5
EMT 112	Calculus	5
EMT 113	General Physics	5
EMT 114	Computer Programming	5
EMT 115	Engineering Statistics	5
EMT 116	Advanced Embedded Systems	5
TOTAL CREDITS		30
Course Code	BS: Third Semester Courses	Credit
EMT 201	Principles of Microeconomics	5
EMT 202	Introduction to Computer-Aided Design	5
EMT 203	Applied Electricity/Electronics	5
EMT 204	Statistics and Strength of Materials	5
EMT 205	Materials Science	5
EMT 206	Digital Signals Processing	5
TOTAL CREDITS		30
Course Code	BS: Fourth Semester Courses	Credit
EMT 211	Engineering Asset Management	5
EMT 212	Environmental System Engineering	5
EMT 213	Engineering Theory and Practice	5
EMT 214	Work Analysis and Design	5
EMT 215	Photonics	5
EMT 216	Engineering Cost Analysis	5
TOTAL CREDITS		30
Course Code	BS: Fifth Semester Courses	Credit
EMT 301	Systems Decision Making	5
EMT 302	Operations Planning and Control	5
EMT 303	Quality Assurance and Control	5
EMT 304	Human Resource Management	5
EMT 305	Supervision of Industrial Operations	5
EMT 306	Industrial Systems Management	5
TOTAL CREDITS		30
Course Code	BS: Sixth Semester Courses	Credit
EMT 311	Electronic Circuits	5
EMT 312	Engineering Thermodynamics	5
EMT 313	Plant Layout and Material Handling	5
EMT 314	Cultures and Civilizations	5
EMT 315	Bachelor Thesis	10
TOTAL CREDITS		30