

Bachelor of Science in Engineering Management Technology

The Program Structure:

Course Code	BS: First Semester Courses	Credit
EMT 101	Communication Skills	2
EMT 102	Technical Communication	3
EMT 103	Engineering Graphics	3
EMT 104	Introduction to Manufacturing	2
EMT 105	Computer Networks	5
EMT 106	Machine Learning	5
TOTAL CREDITS		20
Course Code	BS: Second Semester Courses	Credit
EMT 111	General Chemistry	2
EMT 112	Calculus	3
EMT 113	General Physics	3
EMT 114	Computer Programming	2
EMT 115	Engineering Statistics	5
EMT 116	Advanced Embedded Systems	5
TOTAL CREDITS		20
Course Code	BS: Third Semester Courses	Credit
EMT 201	Principles of Microeconomics	2
EMT 202	Introduction to Computer-Aided Design	3
EMT 203	Applied Electricity/Electronics	3
EMT 204	Statistics and Strength of Materials	2
EMT 205	Materials Science	5
EMT 206	Digital Signals Processing	5
TOTAL CREDITS		20
Course Code	BS: Fourth Semester Courses	Credit
EMT 211	Engineering Asset Management	2
EMT 212	Environmental System Engineering	3
EMT 213	Engineering Theory and Practice	3
EMT 214	Work Analysis and Design	2
EMT 215	Photonics	5
EMT 216	Engineering Cost Analysis	5
TOTAL CREDITS		20
Course Code	BS: Fifth Semester Courses	Credit
EMT 301	Systems Decision Making	2
EMT 302	Operations Planning and Control	3
EMT 303	Quality Assurance and Control	3
EMT 304	Human Resource Management	2
EMT 305	Supervision of Industrial Operations	5
EMT 306	Industrial Systems Management	5
TOTAL CREDITS		20
Course Code	BS: Sixth Semester Courses	Credit
EMT 311	Electronic Circuits	2
EMT 312	Engineering Thermodynamics	3
EMT 313	Plant Layout and Material Handling	3
EMT 314	Cultures and Civilizations	2
EMT 315	Bachelor Thesis	10
TOTAL CREDITS		20