

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING



FIRST TERM *Credit hours in parentheses (3) • Classical Core denoted by asterisk **

HUM 100 Life & Career Dynamics* (3)
HUM 120 Writing & Rhetoric I* (3)
HUM 240 Western Civilization I* (3)
HUM 110 Introduction to Philosophy* (3)
MAT 200 Calculus I (4)

SECOND TERM

BUS 100 Entrepreneurial Masters* (3)
ECN 150 Foundational Economic Concepts* (3)
HUM 140 Writing & Rhetoric II* (3)
HUM 260 Western Civilization II* (3)
PHY 200 Physics I (4)

THIRD TERM

HUM 200 Logic* (3)
HUM 220 Philosophy of the Human* (3)
EGR 110 Introduction to Programming (2)
EGR 120 Technical Drawing (3)
MAT 210 Calculus II (4)

FOURTH TERM

CHE 100 Chemistry I (4)
EGR 300 Statics (3)
HUM 280 Ethics* (3)
MAT 220 Calculus III (4)
PHY 220 Physics II (4)

FIFTH TERM

EGR 305 Dynamics (4)
EGR 330 Materials (3)
EGR 380 Transport Phenomenon (3)
HUM 300 Philosophy of Economics (3)
MAT 300 Differential Equations (3)

SIXTH TERM

EGR 160 Product Design & Development (3)
EGR 280 Engineering Economics (3)
EGR 335 Mechanics of Materials (3)
EGR 385 Advanced Thermal-Fluids (4)
EGR 390 Thermodynamics (3)

SEVENTH TERM

EGR 260 Codes & Standards (2)
EGR 400 Capstone (3)
EGR 405 Mechanical Design (3)
EGR 410 Electronics & Controls (3)
HUM 430 Politics & Culture* (3)

EIGHTH TERM

BIO 100 Introduction to Biology (3)
EGR 140 Advanced Manufacturing (3)
EGR 415 Mechatronics (3)
EGR 399 FE Review (1)
EGR 400 Capstone (3)
HUM 480 Virtuous Leadership* (3)