MFET PROGRAM SUPPLEMENTAL INFORMATION
Automation and Systems Integration Engineering Technology Major
All prerequisites must be met.

FRESHMAN COMPOSITION SELECTIVE

ENGL 10600 First-Year Composition

ENGL 10800 Accelerated First-Year Composition

COMPUTER GRAPHICS SELCTIVE

CGT 11000 Technical Graphics Communications

CGT 16300 Graphical Communication and Spatial Analysis

IT 10500 Intro to Engineering Design

GRAPHICS SELECTIVE

CGT 22600 Introduction to Constraint-Based Modeling

MET 30200 CAD in the Enterprise

CNIT or CS SELECTIVE

CNIT 10500 Introduction to C Programming

CS 15800 C Programming

CS 15900 Programming Applications for Engineers

STATISTICS OR QUALITY SELECTIVE

STAT 30100 Elementary Statistical Methods

IT 34200 Introduction to Statistical Quality

PHYSICS SELECTIVE

PHYS 21800 General Physics

PHYS 22000 General Physics

PHYS 17200 Modern Mechanics

SCIENCE SELECTIVE

BIOL 11000 Fundamentals of Biology I

BIOL 20300 Human Anatomy and Physiology

CHM 11200 General Chemistry II

PHYS 21900 General Physics II

PHYS 2210 General Physics

PHYS 24100 Electricity and Optics

CONTINUOUS CONTROL SELECTIVE

MET 33400 Advanced Fluid Power

MET 43200 Hydraulic Motion Control Systems

MET 43600 Pneumatic Motion Control Systems

MFET 29200 Projects in Automation, Robotics and Mechatronics

MFET 39200 Advanced Projects in Automation, Robotics and Mechatronics

CONTROLS SELECTIVE

MET 33400 Advanced Fluid Power

MET 43200 Hydraulic Motion Control Systems

MET 43600 Pneumatic Motion Control Systems

MFET 29200 Projects In Automation, Robotics And Mechatronics

MFET 39200 Advanced Projects In Automation, Robotics And Mechatronics

MANUFACTURING SELECTIVE

AT 27200 Intro to Composite Technology

AT 30800 Aircraft Materials Processes

AT 40800 Advanced Aircraft Manufacturing Processes

AT 47200 Advanced Composite Technology

CGT 32600 Graphics Standards for Product Definition

CGT 42300 Product Data Management

CGT 42600 Industrial Applications for Simulation

IT 21400 Introduction to Lean Manufacturing

IT 38100 Total Productive Maintenance

IT 38500 Industrial Ergonomics

IT 43400 Global Transportation and Logistics Management

IT 44200 Production Planning

IT 44600 Six Sigma Quality

IT 48300 Facility Design for Lean Manufacturing

MET 30200 CAD in the Enterprise

MET 45100 Manufacturing Quality Systems

MFET 29200 Projects In Automation, Robotics And Mechatronics

MFET 34200 Advanced Manufacturing Processes and Practices

MFET 34800 Industrial Robotics and Motion Control

MFET 39200 Advanced Projects In Automation, Robotics And Mechatronics

MFET 44600 Advanced Manufacturing Operations

TECHNICAL ELECTIVE

All COT courses at the 3xxxx level or above that are not required for the major plus FNR 30100, OLS 28400, and MGMT 45500

HUMANITIES FOUNDATION SELECTIVE: see http://www.purdue.edu/provost/initiatives/curriculum/course.html

BEHAVIORAL/SOCIAL SCIENCE FOUNDATION SELECTIVE: see http://www.purdue.edu/provost/initiatives/curriculum/course.html

HUMANITIES/SOCIAL SCIENCE ELECTIVE: any 2xxxx course or higher in PSY, SOC, HIST, ECON, POL, PHIL, REL, ANTH, or a foreign language plus AD 22600, AD 22700, AD 25100, AD 25500, AD 30701, AD 31100, AD 31200, MUS 25000, MUS 35500, MUS 37400, MUS 37600, MUS 37800, MUS 38100, MUS 38200

FREE ELECTIVE: Any non-remedial course