

FALL Only Courses

EGT 114 Spatial Analysis and CAD
CMPET 211 Embedded Processors and DSP
IET 333 Engineering Economics for Technologists

Spring Only Courses

CMPET 117 Digital Electronics
CMPET 120 Digital Electronics Laboratory
EMET 215 Manufacturing Engineering
EMET 225 Applied Dynamics
EET 275 Intro to Programmable Logic Controls
EMET 325 Electric Drives
EMET 326 Mechanical Drives
EMET 350 Quality Control, Inspection, & Design

Science Courses (3 courses)***

Must complete at least 2 from List 1 below:
PHYS 150 (3) or **PHYS 211** (4) or **PHYS 250** (4)
PHYS 151 (3) or **PHYS 212** (4) or **PHYS 251** (4)
CHEM 110 (3) and **CHEM 111** (1)

May pick one from List 2 below as 3rd GN course:

BIOL 110 (4)
BIOL 161 (3)
CHEM 112 (3) and **CHEM 113** (1);
EGEE 101 (3)

Technical Elective Courses (6 cr)*

CMPSC 201 Programming for Engrs with C++ (3)
OR
CMPSC 131 Programming and Computation I (3)
EMET 402 Fundamentals of Engineering Review (2)
EMET 430 Programmable Logic Controls II (3)
EGT 201 Advanced Computer Aided Drafting (2)**
ENTR 300 Principles of Entrepreneurship (3)
ENTR 320 Entrepreneurship and New Venture Creation (3)
MATH 220 Matrices (2)
MATH 231 Calculus of Several Variables (2)
STAT 200 Elementary Statistics (4)
MGMT 301 Basic Management Concepts (3)
MKTG 301 Principles of Marketing (3)
IST 402 (3) Emerging Issues and Technologies
Prerequisite: IST 210, 220
IST 431 (3) The Information Environment
Prerequisite: IST 210, 220
IST 432 (3) Legal and Regulatory Environment of Information Science & Technology
Prerequisite: IST 301 or SRA 231
ME 300 Thermodynamics (3)
Prerequisite: CHEM 110 | Concurrent: MATH 141

*Special topic courses may be offered in EMET for technical elective credits. Check the Schedule for EMET 397 and/or EMET 497

** Substitute with **EDSGN 468** Engineering Design with CAD (3) at the Altoona campus

*** Can take all 3 GN's from List 1 to fulfill GN requirements