MANUFACTURING ENGINEERING TECH (MFGT)

MFGT 12010  SAFETY IN THE WORKPLACE  2 Credit Hours
Topics include Ohio general industry safety requirements. Discussion will include all workshops and factories, metal casting, steel mills, and rubber and plastic industries.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

MFGT 13001  COMPUTER NUMERICAL CONTROL PROGRAMMING  3 Credit Hours
Prerequisite: MERT 12000 and MERT 12004.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

MFGT 21001  STANDARD DESIGN PRACTICE FOR MANUFACTURING TECHNOLOGY  3 Credit Hours
Analysis of fundamental machine design components. Discussion will include keys, fasteners, pulleys, gears, chains, bearings, power transmission equipment and associated topics.
Prerequisite: EERT 22002 and MERT 12001 and MERT 12005.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

MFGT 22014  ADVANCED INDUSTRIAL ELECTRONICS  3 Credit Hours
Advanced course in PLC program design and implementation. Emphasis on Boolean logic. Project definition and completion.
Prerequisite: EERT 22013.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

MFGT 23001  COMPUTER-AIDED MANUFACTURING  3 Credit Hours
Theory and application of computer-aided manufacturing. Generation of CNC code using CAM applications both from CAD drawings and directly from CAM package.
Prerequisite: MFGT 13001 and MERT 12001.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter