

Manufacturing Technology - Part-time Pathway for Dual Credit Students

Freshmen - Fall

PSYC 1300 - Learning Framework (doesn't apply to AAS, will apply to AA & bachelors degrees)

Freshmen - Spring

SPCH 1315 - Public Speaking (applies to AAS)

Sophomore - Fall

DRAM 1310 - Intro to Theater or MUSI 1310 - American Music (applies to AAS)

HIST 1301 - US History I (applies to AAS)

Sophomore - Spring

PHED 1164 - Intro to Physical Fitness and Wellness (AA & bachelors degree elective)

HIST 1302 - US History II (doesn't apply to AAS, will apply to bachelors degrees)

Juniors - Fall

MATH 1316 - Trigonometry (applies to AAS)

ENGL 1301 - Composition I (applies to AAS)

GOVT 2305 - US Government (doesn't apply to AAS, will apply to bachelors degrees)

Juniors - Spring

MATH 2312 - Pre-calculus (doesn't apply to AAS; may be bachelors degree elective)

ENGL 1302 (doesn't apply to AAS, will apply to bachelors degrees)

GOVT 2306 - Texas Government (doesn't apply to AAS, will apply to bachelors degrees)

Seniors - Fall

INMT 1305 Intro to Industrial Maintenance (applies to AAS)

INMT 2303 Pumps, Compressors, and Mechanical Drives (applies to AAS)

ENGL 2327 - American Literature I (doesn't apply to AAS, will apply to bachelors degrees)

ECON 2301 - Prin. of Macroeconomics (doesn't apply to AAS, will apply to bachelors degrees)

MATH 1342 - Elem. Stat. Methods (doesn't apply to AAS; may be bachelors degree elective)

Spring (Seniors)

CETT 1409 DC/AC Circuits (applies to AAS)

INTC 1350 Digital Measurement and Controls (applies to AAS)

ENGL 2332 - World Literature II (doesn't apply to AAS; may be bachelors degree elective)

MATH 2413 Calculus I (applies to AAS as elective)

After graduation:

Track A Mechanical Technicial Specialty

Fall

CHEM 1405 - Intro to Chemistry I
PTAC 1432 Process Instrumentation I
WLDG 1428 Intro to Shielded Arc Welding
QCTC 1446 Testing and Inspection Systems

Spring

HYDR 1450 Hydraulic Fabrication and Repairs
INMT 1491 Special Topics in Manufacturing Tech
MCHN 2403 Fundamentals of CNC Machine Controls

Track B Electrical Technician Specialty

Fall

CHEM 1405 - Intro to Chemistry I
PTAC 1432 Process Instrumentation I
ELMT 2437 Electronic Troubleshooting...

Spring

HYDR 1450 Hydraulic Fabrication and Repairs
INMT 1491 Special Topics in Manufacturing Tech
ELMT 2441 Special Topics in Manufacturing Tech
INTC 1457 AC/DC Motor Control

Track C Instrumentation & Control Technician Specialty

Fall

CHEM 1405 - Intro to Chemistry I
PTAC 1432 Process Instrumentation I
INTC 1457 AC/DC Motor Control OR
ELMT 2452 Power Generation Instrumentation

Spring

HYDR 1450 Hydraulic Fabrication and Repairs
INMT 1491 Special Topics in Manufacturing Tech
PTAC Instrumentation II
INTC 1457 AC/DC Motor Control OR
ELMT 2452 Power Generation Instrumentation