



Academic Map
Manufacturing Technology – Associate of Applied Science
TRACK C: Instrumentation & Control Technician Specialty
 (CIP 15.0613)

For timely completion of degree requirements, students must follow the guidelines below. Contact the Program Director for the most up-to-date course schedules.

Students who plan to pursue this degree path may not register for Academic or Technical Courses offered outside of stated degree requirements.

Courses	
College Readiness Courses (if needed)	
Semester I	Hours
INMT 1305 Introduction to Industrial Maintenance	3
INMT 2303 Pumps, Compressors, and Mechanical Drives	3
CETT 1409 DC-AC Circuits	4
INTC 1350 Digital Measurement and Controls	3
MATH 1314 College Algebra or MATH 2312 Pre-Calculus Math	3
Semester II	
HYDR 1450 Hydraulics, Fabrication and Repair	4
PTAC 1432 Process Instrumentation I	4
INMT 1491 Special Topics in Manufacturing Technology/Technician	4
SPCH 1315 Public Speaking	3
Semester III	
ENGL 1301 Composition I	3
Language, Philosophy, & Culture or Creative Arts on the AAS General Education Course List	3
Social & Behavioral Science on the AAS General Education Course List	3
CHEM 1405 Introductory Chemistry I or CHEM 1411 General Chemistry I	4
Semester IV	
INTC 1457 AC/DC Motor Control	4
PTAC 2436 Process Instrumentation II	4
ELMT 2452 Power Generation Instrumentation (Capstone Course)	4
Discipline-Related Studies Elective: PHYS 1401 College Physics I or MATH 2413 Calculus I or CHEM 1411 General Chemistry I or CHEM 1412 General Chemistry II or ELMT 2437 Electronic Troubleshooting, Service, and Repair (Offered Fall only) or QCTC 1446 Testing and Inspection Systems (Offered Fall only) or MCHN 2403 Fundamentals of Computer Numerical Controlled (CNC) Machine Controls or INMT 1480 Cooperative Education – Manufacturing Technology/Technician (Requires Program Director Approval)	4

Choose. Connect. Complete.