

## TRACK B: Electrical Technician Specialty

The Electrical Technician curriculum includes Electromechanical Systems, AC/DC Motor Control, and Electronic Troubleshooting. Graduates are prepared for entry-level work as technicians in the maintenance of electrical systems and processes.

College Readiness Courses (if needed)

### Semester I

INMT 1305	Introduction to Industrial Maintenance
INMT 2303	Pumps, Compressors, and Mechanical Drives
CETT 1409	DC-AC Circuits
INTC 1350	Digital Measurement and Controls
MATH 1314	College Algebra <b>or</b>
MATH 2412	Pre-Calculus Math

### Semester II

HYDR 1450	Hydraulics, Fabrication and Repair
PTAC 1432	Process Instrumentation I
INMT 1491	Special Topics in Manufacturing Technology/Technician
SPCH 1315	Public Speaking

### Semester III

ELMT 2437	Electronic Troubleshooting, Service, and Repair
ENGL 1301	Composition I
Social/Behavioral Sciences from the AAS General Education Course List	
CHEM 1405	Introductory Chemistry I <b>or</b>
CHEM 1411	General Chemistry I

### Semester IV

ELMT 2441	Electromechanical Systems (Capstone Course)
INTC 1457	AC/DC Motor Control
Humanities/Fine Arts from the AAS degree General Education Course List	
Discipline Related Studies Elective*	

### \*Discipline Related Studies Electives

Choose one from the following:

- PHYS 1401 – College Physics I
- MATH 2413 – Calculus I
- CHEM 1411 – General Chemistry I **or**  
CHEM 1412 – General Chemistry II
- PTAC 2436 – Process Instrumentation II
- QCTC 1446 – Testing and Inspection Systems (Offered Fall only)
- MCHN 2403 – Fundamentals of Computer Numerical Controlled (CNC) Machine Controls
- INMT 1480 – Cooperative Education – Manufacturing Technology/Technician (Requires Program Director Approval)

**Total Semester Hours – 60**