Instrumentation: Occupational Skills Award

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)

Freshman Year

Fall Semester

- **CETT 1302:** Electricity Principles (3 Credits)
- **CETT 1325:** Digital Fundamentals (3 Credits)

Spring Semester

- **INTC 1301:** Principles of Industrial Measurements I (3 Credits)

Instrumentation: Instrumentation/Measurement Technician Certificate

Summer Session

- **SDEV 0301[1]**: Learning Frameworks (0 Credits)

Freshman Year

Fall Semester

- **CETT 1302:** Electricity Principles (3 Credits)
- **CETT 1325:** Digital Fundamentals (3 Credits)
- **PTAC 1302:** Introduction to Process Technology (3 Credits)

Spring Semester

- **CETT 1329:** Solid State Devices (3 Credits)
- **INTC 1301[2]:** Principles of Industrial Measurements I (3 Credits)

Sophomore Year

Fall Semester

- **INTC 1357:** AC/DC Motor Control (3 Credits)
- **INTC 1356:** Instrumentation Calibration (3 Credits)

Instrumentation: Certificate

Summer Session

- **SDEV 0301[1]**: Learning Frameworks (0 Credits)

Freshman Year

Fall Semester

- **CETT 1302:** Electricity Principles (3 Credits)
- **CETT 1325:** Digital Fundamentals (3 Credits)

Spring Semester

- **CETT 1329:** Solid State Devices (3 Credits)
- **INTC 1301[2]**: Principles of Industrial Measurements I (3 Credits)
- **CETT 1349:** Digital Systems (3 Credits)

Sophomore Year

Fall Semester

- **INTC 1343:** Application of Industrial Automatic Control (3 Credits)

Spring Semester

- **INTC 1355:** Unit Operations (3 Credits)
- **INTC 2336:** Distributed Control & Programmable Logic (3 Credits)

[1] Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.
[2] Capstone course for certificates

Instrumentation: Associate of Applied Science Degree

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)

Freshman Year

Fall Semester

- **CETT 1302:** Electricity Principles (3 Credits)
- **MATH 1332 or MATH 1314[2]:** Contemporary Mathematics or College Algebra (3 Credits)
- **CETT 1325:** Digital Fundamentals (3 Credits)
- **PTAC 1302:** Introduction to Process Technology (3 Credits)
- **ENGL 2311[3]:** Technical & Business Writing (3 Credits)

Spring Semester

- **CETT 1329:** Solid State Devices (3 Credits)
- **INTC 1301:** Principles of Industrial Measurements I (3 Credits)
- **Language, Philosophy & Culture/Creative Arts Elective** from the Core Curriculum (3 Credits)
- **American History, Gov./Political Science, or Social/Behavioral Sciences Elective** from the Core Curriculum (3 Credits)
- **CETT 1349:** Digital Systems (3 Credits)

Sophomore Year

Fall Semester

- **EECT 1303:** Introduction to Telecommunications (3 Credits)
- **INTC 1357:** AC/DC Motor Control (3 Credits)
- **INTC 1343:** Application of Industrial Automatic Control (3 Credits)
- **INTC 1356:** Instrumentation Calibration (3 Credits)
- **INTC 1350:** Digital Measurement and Control (3 Credits)

Spring Semester

- **CETT 2339[4]:** Amplifier Analysis (3 Credits)
- **INTC 1355:** Unit Operations (3 Credits)
- **INTC 2330:** Instrumentation Systems Troubleshooting (3 Credits)
- **INTC 2336[4]**: Distributed Control & Programmable Logic (3 Credits)
- **PHYS 1310[5]:** Elementary Physics (3 Credits)

[1] Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.
[2] Will accept any mathematics from the core curriculum except MATH 1324
[3] Will accept ENGL 1301 if taken before Fall 2020
[4] Capstone course for degree
[5] Will accept PHYS 1401 and PHYS 1402