

# Maintenance Technician, Certificate 1

Certificate

*(TSI-Waived Program)*

The Maintenance Technician Certificate program is design for a student to complete both level I and II within one year. This program is designed for a student to be proficient in the installation, troubleshooting, repair, and maintenance of equipment commonly used in the industrial fields. An emphasis is placed on electric motors, transformers, and basic circuits as well basic mechanical knowledge including alignment and the proper use of hand tools. Students will also have an introduction to welding, HVAC, and blueprint reading while being required to practice industry regulated safety practices and following all OSHA requirements.

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## Semester I

|       |           |   |
|-------|-----------|---|
| _____ | DEMR 1316 | Basic Hydraulics                          |
| _____ | _____     | EDUC 1100 or PSYC 1100                    |
| _____ | ELPT 1311 | Basic Electrical Theory                   |
| _____ | ELPT 1341 | Motor Control                             |
| _____ | INMT 2303 | Pumps, Compressors &<br>Mechanical Drives |
| _____ | OSHT 1220 | Energy Industrial Safety                  |
| _____ | PTRT 1270 | Energy Sector Math and<br>Computer Skills |

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**Total Credits 17**