

# Tennessee College of Applied Technology Morristown

## Hawkins County Branch

2022-2023

### Industrial Maintenance

The Industrial Maintenance Program is comprised of four trimesters of instruction: two required courses, Mechanical Maintenance and Industrial Electricity, and three elective courses that the student chooses. The order in which classes are taken will vary from student to student.

\*\*All book and supply costs are estimates and subject to change without notice.\*\*

| Industrial Electricity - Required         |               |                  |                    | 432 Hours           |
|---|---------------|------------------|--------------------|---------------------|
| Tuition                                   |               |                  | \$1,253.00         | Due at Registration |
| Technology Fee                            |               |                  | \$73.00            | Due at Registration |
| Student Activity Fee                      |               |                  | \$10.00            | Due at Registration |
| Electrical Principles                     | 9781111306472 | Cengage          | \$150.00           | Approximate         |
| Understanding Motor Controls              | 9781305498129 | Cengage          | \$200.00           | Approximate         |
| Ugly's Electrical Reference               | 9781284119367 | Jones & Bartlett | \$30.00            | Approximate         |
| Benfield Conduit Bending                  | 9780872885103 | EC&M             | \$40.00            | Approximate         |
| Tool Kit w/meter                          |               |                  | \$600.00           | Approximate         |
| TI-30Xa Calculator**                      |               |                  | \$15.00            | Approximate         |
| Safety Glasses**                          |               |                  | \$5.00             | Approximate         |
| Graduation Set***                         |               |                  | \$45.00            | Approximate         |
| <b>Industrial Electricity Term Total</b>  |               |                  | <b>\$2,421.00</b>  |                     |
| Mechanical Maintenance - Required         |               |                  |                    | 432 Hours           |
| Tuition                                   |               |                  | \$1,253.00         | Due at Registration |
| Technology Fee                            |               |                  | \$73.00            | Due at Registration |
| Student Activity Fee                      |               |                  | \$10.00            | Due at Registration |
| Industrial Maintenance Text               | 9781269792073 | Pearson          | \$370.00           | Approximate         |
| Industrial Hydraulic Technology           | 9781557690562 | Parker           | \$55.00            | Approximate         |
| Industrial Pneumatic Technology           | 9781557690609 | Parker           | \$55.00            | Approximate         |
| Mechanical Maintenance Tool Kit           |               |                  | \$800.00           | Approximate         |
| <b>Mechanical Maintenance Term Total</b>  |               |                  | <b>\$2,616.00</b>  |                     |
| Welding - Elective                        |               |                  |                    | 432 Hours           |
| Tuition                                   |               |                  | \$1,253.00         | Due at Registration |
| Technology Fee                            |               |                  | \$73.00            | Due at Registration |
| Student Activity Fee                      |               |                  | \$10.00            | Due at Registration |
| Welding Principles & Applications         | 9780357377659 | Cengage          | \$200.00           | Approximate         |
| Welding Jacket and Tools                  |               |                  | \$600.00           | Approximate         |
| <b>Welding Term Total</b>                 |               |                  | <b>\$2,136.00</b>  |                     |
| HVAC-R - Elective                         |               |                  |                    | 432 Hours           |
| Tuition                                   |               |                  | \$1,253.00         | Due at Registration |
| Technology Fee                            |               |                  | \$73.00            | Due at Registration |
| Student Activity Fee                      |               |                  | \$10.00            | Due at Registration |
| Refrigeration and A/C Text/w online       | 9780357477267 | Cengage          | \$200.00           | Approximate         |
| <b>HVAC-R Term Total</b>                  |               |                  | <b>\$1,536.00</b>  |                     |
| PLCS - ROBOTICS Elective                  |               |                  |                    | 432 Hours           |
| Tuition                                   |               |                  | \$1,253.00         | Due at Registration |
| Technology Fee                            |               |                  | \$73.00            | Due at Registration |
| Student Activity Fee                      |               |                  | \$10.00            | Due at Registration |
| Programmable Logic Controllers            | 9780826913968 | ATP              | \$200.00           | Approximate         |
| Programmable Logic Controllers Lab Manual | SM-1235       | Future Tek       | \$75.00            | Approximate         |
| <b>PLCS - ROBOTICS Total</b>              |               |                  | <b>\$1,611.00</b>  |                     |
| <b>Total Estimated Program Cost</b>       |               |                  | <b>\$10,320.00</b> |                     |

\*\* These supplies are required by multiple programs and may be purchased any trimester.

\*\*\* Graduation set will be purchased the last trimester the student is enrolled.

Updated: rev 6/23/2022