

Technology

Associate of Applied Science in Technology - Industrial Maintenance Option

The Associate of Applied Science in Technology - Industrial Maintenance is designed to prepare students for a career in industrial maintenance. This academic guide is based on the 2023-2024 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

Degree Requirements

| General Education Requirements | | Credit Hours |
|---|--|--------------|
| CIS 101 Computers for Learning | | 3 |
| COM 115 Fundamentals of Public Speaking | | 3 |
| ENG 110 Writing I | | 3 |
| IDS: Select two (2) credit hours | | |
| IDS 110 Student Success | | 2 |
| IDS 115 Career Exploration | | 2 |
| Civics: Select three (3) credit hours | | |
| HST 121 Survey of US History to 1877 | | 3 |
| HST 122 US History Since 1877 | | 3 |
| PLS 101 American Democracy and Citizenship | | 3 |
| Mathematical Science: Select three (3) credit hours: | | |
| TEC 101 Fundamental Math Skills for the Trades | | 3 |
| TEC 102 Mathematics for the Trades | | 3 |
| MTH 100 Intermediate Applied Mathematics or higher | | 3 |
| General Education Total | | 17 |
| Industrial Maintenance Option | | Credit Hours |
| TEC 110 Print Reading & Basic CAD | | 3 |
| TEC 180 Fundamentals of Mechatronics | | 2 |
| TEC 297 Technology Capstone | | 3 |
| TEC 299 Internship in Technology | | 3 |
| Select 32 credit hours from the following: | | |
| TEC 100 Introduction to AC and DC Electricity | | 3 |
| TEC 111 Manufacturing Processes | | 3 |
| TEC 165 Manufacturing Machine Technology | | 3 |
| TEC 197 Special Topics in Technology | | 3 |
| TEC 240 PLCs & Sensors | | 3 |
| TEC 245 Mechanical Systems | | 3 |
| TEC 248 Fluid Power | | 3 |
| TEC 270 Alternative Energy | | 3 |
| TEC 275 Automated Systems | | 3 |
| Electives approved by the Technology Department | | 32 |
| Industrial Maintenance Total | | 43 |
| Total Hours Required: | | 60 |

Degree Notes:

- Math requirements exclude MTH 197 or MTH 297.
- Students are required to complete a minimum of three (3) credit hours of math, regardless of placement.
- Electives must be approved by the department.
- Students should confirm the transferability of courses with their transfer university before completing courses at MSU-WP.

Recommended Two-Year Plan

| | Course # | Credit Hours |
|-----------------|-------------------|--------------|
| Term 1 (Fall) | CIS 101 | 3 |
| | IDS 110 & IDS 115 | 2 |
| | TEC 100 | 2 |
| | Math | 3 |
| | TEC 180 | 2 |
| | TEC Elective | 3 |
| | | 15 |
| Term 2 (Spring) | TEC 110 | 3 |
| | TEC Electives | 12 |
| | | |
| | | 15 |
| Term 3 (Fall) | ENG 110 | 3 |
| | Civics | 3 |
| | COM 15 | 3 |
| | TEC Electives | 6 |
| | | 15 |
| Term 4 (Spring) | TEC 297 | 3 |
| | TEC 299 | 3 |
| | TEC Electives | 9 |
| | | 15 |

Milestone Notes:

- Milestones are a major step in the completion of the degree. Each milestone must be met in order to advance to the next stage of education.
- Milestone courses should be completed in the designated semester.
- All milestone courses must be completed with a C or higher.
- Students are encouraged to apply for graduation early in their last semester.

For More Information, Contact

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