

NKY FAME/Gateway Community & Technical College Advanced Manufacturing Technologies (AMT) Curriculum

Year 1

Semester 1, Fall, 15 Credit Hours

| Courses | Cr |
|---|----|
| IET 1301 – Safety Culture | 1 |
| BRX 120 – Basic Blueprint Reading | 3 |
| CMM 110 – Fundamentals of Machine Tool A | 3 |
| IMT 110/111 – Industrial Maint. Electrical Principles | 5 |
| MAT 150 – College Algebra | 3 |

Semester 2, Spring, 14 Credit Hours

| Courses | Cr |
|--|----|
| FPX 100/101 – Fluid Power | 5 |
| EET 270/271 – Electrical Motor Controls I | 4 |
| EET 272/273 – Electrical Motor Controls II | 4 |
| IET 1302 Workplace Organization | 1 |

Semester 3, Summer, 14 Credit Hours

| Courses | Cr |
|--|----|
| IMT 150/151 – Maintaining Industrial Equip | 5 |
| IMT 100/101 – Welding for Maintenance | 5 |
| CIT 105 – Intro to Computers | 3 |
| IET 1303 – Total Production System Maint. | 1 |

Year 2

Semester 1, Fall, 14 Credit Hours

| Courses | Cr |
|--|----|
| ENG 101 – English 101 | 3 |
| EET 276/277 – Programmable Logic Controllers | 4 |
| PHY 151 – Introductory Physics I | 3 |
| HIS 240 – History of Kentucky | 3 |
| IET 1304 – Problem Solving | 1 |

Semester 2, Spring, 14 Credit Hours

| Courses | Cr |
|--|----|
| IMT 200 – Industrial Robotics and Robotic Maint. | 4 |
| IMT 198 – Practicum | 2 |
| IET 1305 – Maintenance Reliability | 1 |
| IMT 289 – Industrial Maint. Tech. Capstone | 1 |
| COM 181 – Basic Public Speaking | 3 |
| COM 254 – Intro to Intercultural Communication | 3 |



GATEWAY
COMMUNITY
& TECHNICAL COLLEGE

Credentials Earned:

Certificates

- Electrician Trainee Level I
- Industrial Maintenance Electrical Mechanic
- Industrial Maintenance Mechanic Level I
- Integrated Manufacturing Technologies

Degree

- Associate of Applied Science (AAS):
 - Industrial Maintenance Technologies -Advanced Manufacturing Technician Track

Updated August 18, 2020

