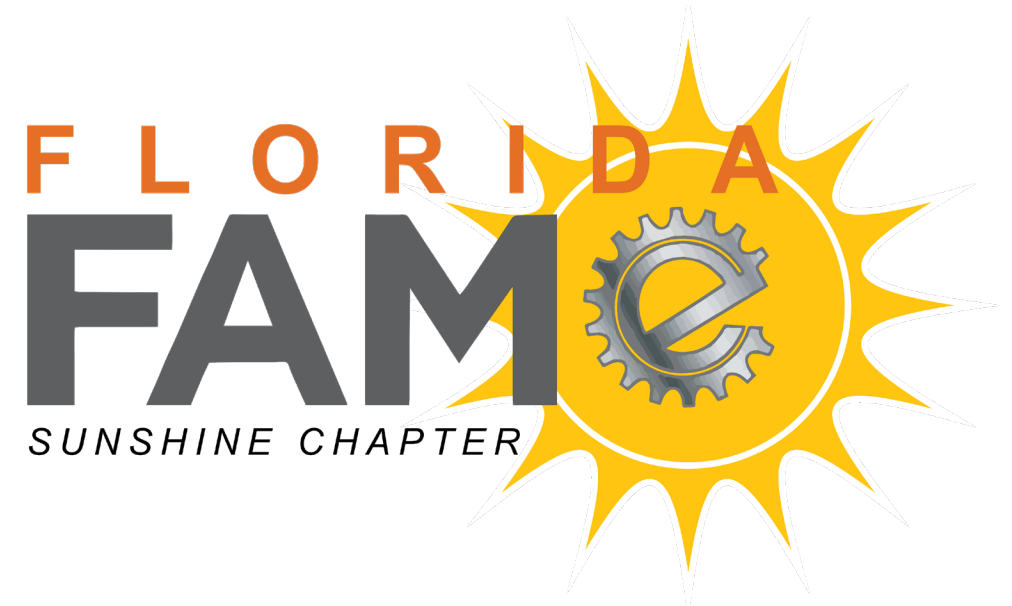


Taking Applications Now for Fall 2022

FAME

Advanced Manufacturing Technician Program (AMT)

Limited Seats



FAME

(Federation for Advanced Manufacturing Education)

What is FAME?

- “FAME” is the **Federation for Advanced Manufacturing Education**
 - References the network of chapters utilizing the AMT program
- “AMT” is **Advanced Manufacturing Technician** (program/student)
 - Used to reference both the training program and sponsored students in the program
- Nationally recognized program based on Toyota’s Advanced Manufacturing Technician (AMT) program.
- Originally used by Toyota exclusively (as the creators of the program) before expanding to other companies—which formed the basis for cooperative chapters later referred to as “FAME”
- Program grew beyond Toyota footprint, leading to the transition to The Manufacturing Institute (MI) as the national platform for support

FAME AMT Program

- Work/Learn co-op model
- Weaves technical knowledge, professional behaviors, and distinct manufacturing core exercises into a focused experience
- Builds global-best, entry-level, multiskilled maintenance technicians.
- Progress as a cohort over 5 consecutive semesters. (Fall, Spring, Summer, Fall, Spring)
- Work 3 days at sponsoring company (8 hours per day) and attend classes 2 days a week (8 hours per day)
- Paid competitive hourly wage
- Students earn AS degree in Engineering Technology and FAME AMT Certificate

Program Expectations

- FAME Student Acknowledgement Form
 - Academic Requirements
 - Attendance Requirements
 - Work Requirements
 - Adhere to Safety Rules and Regulations
 - Adhere to Professional Dress and Behavior Expectations
 - Academic Integrity
 - Remain 100% Drug Free
 - Allow Delegate Access to Sponsoring Employer for Academic Records

FAME AMT Course Sequence – Year 1

FALL SEMESTER

MCE-1 (SAFETY CULTURE)

- SLS112 Managing Your Success
- EET1011C Introduction to Electrical Circuits and Lab
- ETI1701 Industrial Safety
- MAC1105 College Algebra

- Total Credit Hours: 12

SPRING SEMESTER

MCE-2 (VISUAL WORKPLACE ORGANIZATION/5S)

- ETI1420 Manufacturing Processes and Materials
- CET1112C Digital Fundamentals and Lab
- EET1021C Advanced Electrical Circuits and Lab
- ETM1010 Mechanical Measurement and Instrumentation

- Total Credit Hours: 13

SUMMER SEMESTER

MCE-3 (LEAN MANUFACTURING)

- ENC1101 Introduction to Composition
- LIT2000 Literature and Culture
- STA2023 Elementary Statistics

- Total Credit Hours: 9

FAME AMT Course Sequence – Year 2

FALL SEMESTER

MCE-4 (PROBLEM SOLVING)

- ETM2315C Hydraulic and Pneumatic Power and Control and Lab
- ETS2542C Programmable Logic Controllers
- ETI1110 Introduction to Quality Assurance
- ETD2364C SolidWorks Solid Modeling and Lab

- Total Credit Hours: 13

SPRING SEMESTER

MCE-5 (MACHINE RELIABILITY)

- ETS2540C Fundamentals of Robotics and Automation
- EET2949 Cooperative Education Experience in Electronics
- CET2123C Microcomputer and Basic Digital Communications and Lab
- ETI1843C Motors and Controls

- Total Credit Hours: 13

FAME Professional Behaviors

The Five Professional Practices

Professional Dress

Appearance that inspires pride and expectation

Professional Posture

Appearance that inspires competence

Professional Greeting

Introductions that convey professionalism

Professional Presentation

Communication that influences decisions

AMT Practices

Tying it all together

The Six Professional Behaviors

Attendance

Being a contributing asset on time every day

Initiative

Starting your work yourself

Diligence

Completing your work with high quality

Interpersonal Relationships

Being a conflict resolver, not a conflict causer

Teamwork

Achieving more by working effectively with others

Communication

Achieving through speaking and writing

The Seven Essential Behaviors

Attitude and Respect

Professional readiness with respect

Discipline and Character

Prioritizing responsibilities and total integrity

Responsibility

Personal ownership to make things happen

Organization

Structure and logic to maximize efficiency

Time Management

Best use to achieve the most important outcomes

Productivity

Maximizing results for time and resources invested

Social Media Ethics

100% appropriate, value-added use

MCE/Professional Behaviors Integration

MCE-1 Safety Culture

Examples

Daily Safety Discussions

Responsibility, Communication

Safety Board Management

Interpersonal Relations, Teamwork

Safety Improvement Projects

Initiative, Diligence

Safety Commitment Ceremony

Professional Practices

MCE-2 Visual Workplace Organization

Examples

Step 1: Sift

Productivity, Diligence

Step 2: Sort

Organization, Time Management

Step 3: Sweep & Wash

Initiative, Diligence

Step 4: Spic & Span

Discipline, Organization

Step 5: Sustain

Responsibility, Teamwork

MCE-3 Lean Manufacturing

Examples

Jidoka Principles & Practices

Initiative, Diligence

Just-in-Time Principles & Practices

Productivity, Time Management

House of Lean

Organization, Productivity

7Mudas

Time Management, Productivity

Kaizen Exercise

Initiative, Diligence

MCE-4 Problem Solving

Examples

Problem Clarification

Organization, Critical Thinking

Problem Breakdown

Organization, Analytical Thinking

Root-Cause Analysis

Organization, Critical Thinking

Countermeasures

Critical Thinking, Productivity

Foundation Principles

Discipline, Communication

MCE-5 Machine Reliability

Examples

Key Questions

Problem Solving, Diligence

Reliability Process

Organization, Teamwork

Failure Mode Effect Analysis

Analytical Thinking, Organization

Decision Diagram

Productivity, Critical Thinking

Report Out

Problem Solving, Communication

Sponsoring Companies

- ABB
- B. Braun
- Boston Whaler
- Dougherty Manufacturing
- Everglades Boats
- Germfree
- Hudson Technologies
- Pentair
- Raydon
- SCCY Firearms
- Sparton

Eligibility Requirements

- Be 18 years of age by program start date
- Have a Standard High School Diploma or GED
- Be a US citizen or eligible for work in the US
- Meet placement test score requirements
- Commitment to remaining drug-free

Application Process

- Complete the Daytona State College Admissions Application
- Complete the FAME Application
- Schedule the Placement Test
 - If taken SAT/ACT within 2 years submit scores for review
- Submit your Academic Transcripts
- Apply for Financial Aid

Contact Information

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