

TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS FAME Advanced Manufacturing Technician (AMT) Program

Introduction

This document introduces the nonacademic standards, skills, and performance requirements expected of every student in the FAME program. It is essential for all students entering the program to understand that these requirements are necessary for the satisfactory completion of all aspects of the curriculum and development of professional attributes for graduation. Reading these standards carefully along with a realistic assessment of your own personality interests, abilities, strengths, and weaknesses will ensure that you choose a program and career path that is a good fit for you.

While graduates of the FAME AMT program are most commonly hired by their sponsoring employers immediately after graduation into manufacturing technician or other jobs with similar requirements, graduates who are seeking employment in the free market should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians. A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servo-mechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

It will be both important and helpful to know what the overall goal of the FAME AMT program is to better

Mobility

Independently stand and walk up to 12 or more hours per day
Work continuously up to 5 hours at a time
Ambulate and work in a variety of environments including small spaces and low spaces.

Sensory

Gather information from co-workers, contractors, and others to perform a wide variety of technical tasks, including machine and system assessment, troubleshooting, performance data, and more.

Discern between normal and abnormal machine, system, and process conditions.

Evaluate information on monitors and other indicators and operate equipment under variable lighting situations.

Adequately perceive depth in order to move and position equipment and tools.

Demonstrate tactile, gross, and fine motor skills sufficient to provide safe, effective, and correct work in a variety of situations.

Accurately interpret alarms, normal and abnormal sounds, and sounds such as, equipment, monitors, fire alarms, call bells.

Intellectual

x Use data and short and long-term memory to critically and analytically plan, think5(pm)-6n)4,)-6m