VECTR
Georgia Veterans Education Career Transition Resource Center

gavectr.org
478-218-3900 | info@gavectr.org

AI ENHANCED ROBOTIC MANUFACTURING

This program allows students to enhance their automated manufacturing skills by learning robotic programing, fundamentals of cyber-physical systems, artificial intelligence in the manufacturing environment, programmable logic controllers, and machine vision technology.

PROGRAMS BEGIN

February
June
October

TECHNICAL COLLEGE CERTIFICATE

AI-Enhanced Robotic Manufacturing Specialist

ADDITIONAL CERTIFICATE

Industry Recognized Certifications from FANUC

DID YOU KNOW?[1]

The *Industrial Engineering Technologist and Technicians industry is projected to grow 3% by 2031

IMPORTANT QUALITIES[1]

- Analytical Skills
- Communication Skills
- Critical Thinking Skills
- Attention to Detail
- Mathematical Skills
- Observational Skills
- Mechanical Skills

COURSES

- AUMF 1580 Automated Manufacturing Skills
- AUMF 1100 Cyber-Physical Systems
- IDSY 1120 Basic Industrial PLCs
- AUMF 1150 Introduction to Robotics
- AUMF 1300 Artificial Intelligence in Manufacturing
- AUMF 1500 Machine Vision Fundamentals

MEDIAN SALARY[1]

$60,220

NUMBER OF JOBS AVAILABLE[1]

64,200

TYPICAL RESPONSIBILITIES[1]

- Suggest revisions to operation methods, material handling, or equipment layout
- Interpret engineering drawings, schematic diagrams, and formulas
- Confer with management or engineering staff on quality and reliability standards
- Help plan work assignments, considering factors such as machine capabilities and production schedules
- Prepare charts, diagrams, and other graphs to illustrate workflow, routing, floor layouts, how materials are handled, and how machines are used
- Collect data to assist in process improvement activities

1. Industrial Engineering Technologists and Technicians:
Occupational Outlook Handbook: U.S. Bureau of Labor Statistics
https://www.bls.gov/ooh/architecture-and-engineering/industrial-engineering-technicians.htm

DoD SKILLBRIDGE

This program is Department of Defense SkillBridge approved