

ADVANCED MANUFACTURING FUNDAMENTALS

Amatrol's Advanced Manufacturing Fundamentals offers some of the highest paying and most satisfying career opportunities available today. Advanced Manufacturing Fundamentals, a 4-course series, helps students develop the breadth and depth of technical skills they need to excel in this fast-paced and constantly changing field.

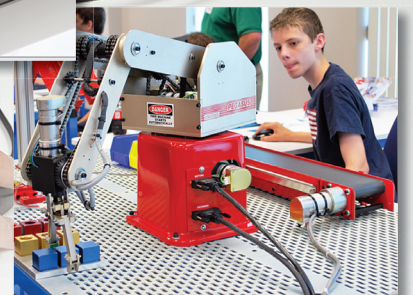


Program Courses

- Advanced Manufacturing Principles 1
- Advanced Manufacturing Principles 2
- MSSC Certified Production Technician Certification
- Advanced Manufacturing Principles 3

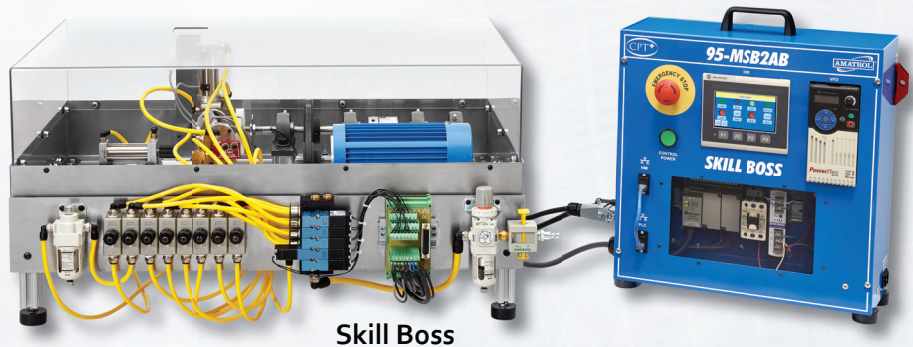
Key Features

- Promotes Exciting Careers
- Introduction to Technologies in Modern Manufacturing
- Skills-Based with College Credit
- Hands-On with Real World Equipment
- Interactive Multimedia/Simulation Learning



Turn-Key Solution for Advanced Manufacturing

These courses include interactive multimedia course materials, hands-on equipment, teacher materials and training to make course implementation easy and effective. The Advanced Manufacturing Fundamentals Program prepares students to pursue careers in the technology-driven world of modern manufacturing. With the opportunity to obtain industry-recognized certifications from MSSC, students can present themselves to potential employers confident in their abilities to provide an immediate contribution to the organization.



Skill Boss

Industry-Recognized Certifications & Careers

Course 1: Advanced Manufacturing Principles 1

Topics include: Safety 1, Hand Tools 1, Precision Measurement 1, Print Reading 1, Mechanical 1, Fluid Power 1, AC/DC Electricity 1, Electrical Relay Control 1, Robotics 1, Electronics Sensors 1, Computer-Aided Design 1, CNC Machines 1, & Mini Student Projects

Course 2: Advanced Manufacturing Principles 2

Topics include: Print Reading 2, Safety 2, CNC Machines 2, Precision Measurement 2, Programmable Controllers 1, Robotics 2, Manual Machine Tools 1, Computer-Aided Design 2, Electrical Relay Control 2, Electronic Sensors 2, AC/DC Electricity 2, Electrical Fabrication 1, Mechanical 2 (Skill Boss), & Mini Student Projects

Course 3: MSSC Certified Production Technician Certification

Topics include: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; Maintenance Awareness; and Skill Boss

Course 4: Advanced Manufacturing Principles 3

Topics include: Lean Manufacturing 1 & 2; Quality 1; Precision Measurement 3; Fluid Power 2; Programmable Controllers 2, 3, & 4; Mechanical 3 (Skill Boss); CAD/CAM; Computer-Aided Design 3; Electrical Fabrication 2; Mechatronics 1 Simulation; Mechatronics 1, 2, 3, & 4 (Mini Project); Manual Machine Tools 2

