

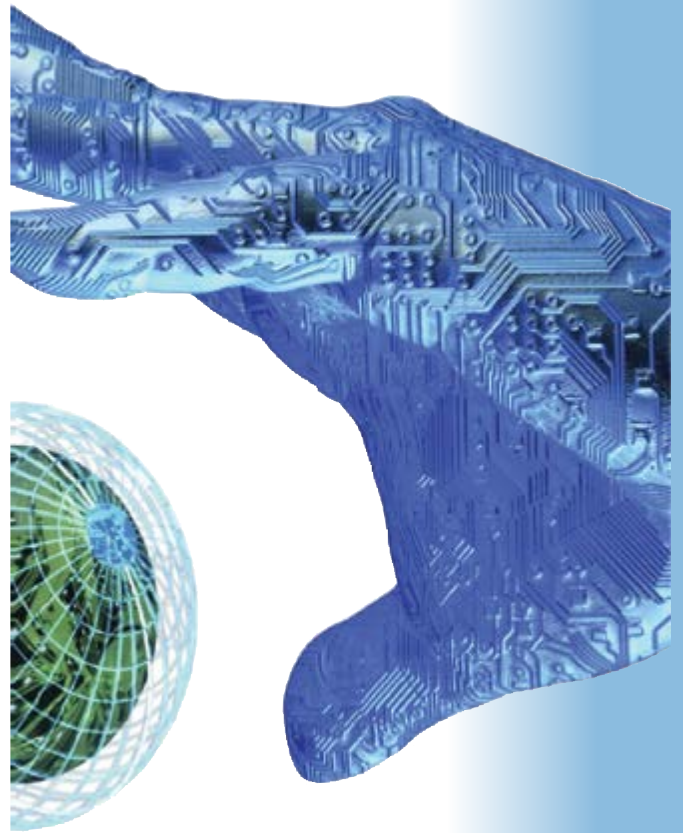


Apprenticeship 20/20

Careers: A Clear Vision for the Future



At the Center for Technology and Health Education Mark Sorrells, Senior Vice President, Golden LEAF Foundation, meets two South Piedmont students who are doing an apprenticeship at Greiner Bio-One and the company's apprenticeship director.



H.A.N.D.S Apprenticeship Program

Helping Acquire New Dynamic Skills

Equipping Union & Anson Counties
for Global Competitiveness in Manufacturing

www.spcc.edu/manufacturing

Helping Acquire New Dynamic Skills

The H.A.N.D.S. Apprenticeship program combines paid on-the-job training with classroom instruction.

At the end of two years, a student earns an Associate of Applied Science degree and Journeyman Certification by the N.C. Department of Labor. This comprehensive skill and knowledge development program at South Piedmont Community College gives students a competitive advantage. Upon graduation, the apprentice will be "work ready" and earning a lucrative starting salary with company benefits.

- 8,000 hours of the On-the-Job Learning at a Manufacturing Site
- 1,750 hours of Classroom Instruction

An associate degree is an academic credential that increases one's employability because it represents that the graduate has learned skills and developed subject knowledge. The H.A.N.D.S. Apprenticeship program is ideal for youth who have an aptitude for math and science and who enjoy creating and fixing things.

The Associate of Applied Science degree makes the graduate more employable right away without a four-year degree. The collaborative interactions with South Piedmont instructors and with plant managers and supervisors help to create employment and professional development opportunities.

Possible Career Opportunities:

- CNC Machinist
- Electrician
- Maintenance Technician
- Mold/Plastic Technician
- Tool & Die Maker
- Welding Fabricator

South Piedmont Community College has an extensive selection of equipment, including a flexible manufacturing system. Machines and training materials valued at more than \$3 million have been purchased with support from Duke Energy, Golden LEAF Foundation and OMNOVA Foundation.

H.A.N.D.S Apprenticeship Program In Manufacturing

Advantages for Employer

- Highly skilled labor
- Increased employee retention
- Return on investment (ROI) for employee training
- Increased job safety
- Improved productivity and efficiency
- Reduced production cost
- Ability to assess the incoming talent pool
- Controlled learning environment for entry-level positions
- Proven process



Advantages for Apprentice

- Debt-free, quality education
- Classroom & on-the-job-training (OJT)
- Paid compensation while in school
- Associates college degree
- Successful completion creating employment opportunities
- National certification (*NIMS, MSCC, Journeyman Worker*)
- Employment opportunities



Skills are the Future of Manufacturing

While it's true that old-fashioned assembly line jobs are dwindling, a new kind of manufacturing job is starved for skilled workers. Today, more than 60 percent of manufacturing employees have at least some college education, according to a U.S. Department of Commerce report. Chris Platé, executive director of Economic Development and Aviation for Monroe-Union County Economic Development, says that Union County's labor pool is inherently "precision-minded" and "detail-oriented." Much of the workforce has been honed from generations of families with a history in metals/machining or a mechanical background derived from an agrarian lifestyle. "Being predisposed to advanced manufacturing processes means that with targeted training—such as the hands-on courses provided at South Piedmont—youth graduating high school and men and women wanting to retrain can ramp up for skilled manufacturing jobs," he said.



www.spcc.edu/manufacturing

Enroll in the H.A.N.D.S. Program for Fall 2014 Semester Start

1. Inform your high school guidance counselor that you are interested in H.A.N.D.S.

2. Ask counselor to contact Apprenticeship Coordinator, Jennifer Joyner-Talbot. She can answer questions about H.A.N.D.S. and tell your counselor how to apply for an apprenticeship opportunity.

jjoyner-talbot@spcc.edu
704.290.5868

3. Submit letter of interest to become a SPCC Apprentice

4. Successfully complete the interview and selection process

5. Enroll

The College application for college-credit classes is online. Applicants will need to send transcripts, take a placement test and view an orientation video prior to selecting classes.

Contact an advisor, who will walk you through the process.

admissions@spcc.edu
Enrollment hotline: 704.272.5391

6. Register

Registration for Fall 2014 opens Wed., April 23. New Student Registration will be held in Building B at the Old Charlotte Highway Campus in Monroe and in the Student Services area of the Garibaldi Building at the L.L. Polk Campus in Polkton.

At registration, an advisor will confirm you're enrolled in the program of study in Industrial Systems Technology or Mechatronics Engineering Technology. More registration info is available at www.spcc.edu.

Industrial Systems Technology - Associate of Applied Science Degree (A50240)

With industrial systems technology credentials, you will be able to safely service, maintain, repair, or install equipment. Responsibilities may include inspecting, testing, troubleshooting, and diagnosing industrial systems.

Classes cover multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures.

Graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Upon completion, graduates should be prepared to sit for industry-recognized certification exams, which demonstrate job readiness to employers.

Classes May Include: Print Reading, Introduction to Computers, Expository Writing, Machining Technology, Introduction to Metrology, Machining Calculations, Hydraulics/Pneumatics, Physical Metallurgy, Introduction to CNC, CAD, Inert Gas Welding, JAVA Programming, etc.

Mechatronics Engineering Technology - Associate of Applied Science Degree (A40350)

With mechatronics engineering technology credentials, you will be able to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Responsibilities may include assembly, testing, troubleshooting, and repairing electromechanical systems.

Classes cover prototype testing; manufacturing and operational testing; systems analysis; and maintenance procedures.

Graduates should qualified for employment in industrial maintenance and manufacturing roles that can include assembly, testing, startup, troubleshooting, repair, process improvement, and control systems.

Upon completion, graduates should be prepared to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry-recognized certification exams, which demonstrate job readiness to employers.

Classes may include: Industrial Leadership, Machining Calculations, Statics, Entrepreneurship I, CNC Turning, Humanities, Motors and Controls, Introduction to Solid Modeling, Strength of Materials, etc.

L. L. Polk Campus

680 Hwy. 74 West
P.O. Box 126
Polkton, NC 28135-0126

Old Charlotte Highway Campus

P.O. Box 5041
Monroe, NC 28111-5041
4209 Old Charlotte Highway
Monroe, NC 28110

Center for Technology & Health Education

P.O. Box 5041
Monroe, NC 28111-5041
3509 Old Charlotte Highway
Monroe, NC 28110

Lockhart-Taylor Center

514 North Washington Street
Wadesboro, NC 28170