

Health Science

- ◆ 2 year program
- ◆ All courses beyond Intro to Health Science/EMS have honors GPA weight
- ◆ Opportunity to earn CPR/First Aid Certification
- ◆ All students participate in HOSA
- ◆ All students with an interest in any healthcare field will benefit from this program.

Nursing Aides: CNA license, \$24,010

Pharmacy Technicians: license, \$28,860

Surgical Technologists: certificate or associate's degree, \$39,920

Licensed Practical Nurse (LPN): license, \$40,380

Athletic Trainer: bachelor's degree, \$41,600

Registered Nurse: associate's or bachelor's degree, \$64,690

Radiation Therapists: associate's degree, \$74,980

Physical Therapists: doctoral or professional degree, \$76,310

Physician Assistant: master's degree, \$86,410

Pharmacist: doctoral or professional degree, \$111,570

Physician and Surgeon: doctoral or professional degree, \$166,400

Machine Tool Technology

- ◆ 2 year program
- ◆ Early college credit with Greenville Tech (AP GPA weight)

Machinist: certifications, associate's degree, \$39,910

What do they do?

- Work from blueprints, sketches, or computer-aided design (CAD) or computer-aided manufacturing (CAM) files
- Set up, operate, and tear down manual, automatic, or computer numeric controlled (CNC) machine tools
- Calculate dimensions using measuring instruments
- Install, align, secure, and adjust cutting tools and work pieces
- Monitor the feed and speed of machines
- Turn, mill, drill, shape, and grind machine parts to specifications
- Measure, examine, and test completed products for defects
- Debur all surfaces of parts or products to ensure that they conform to specifications

Related field: Tool & Die Maker

Mechatronics

- ◆ 2 year program
- ◆ Early college credit with Greenville Tech (AP GPA weight)

Mechatronics (Electro-mechanical) Technician: associate's degree, \$49,550

What do they do?

- Read blueprints, schematics, and diagrams to determine the method and sequence of assembly of a part, machine, or piece of equipment
- Verify dimensions of parts, using precision measuring instruments, to ensure that specifications are met
- Operate metalworking machines to make housings, fittings, and fixtures
- Repair and calibrate hydraulic and pneumatic assemblies
- Test the performance of electro-mechanical assemblies, using test instruments
- Install electronic parts and hardware, using soldering equipment and hand tools

Related field: Electrical or Mechanical Engineer: Bachelor's degree, \$78,100 - \$87,180

CISCO Networking

- ◆ 1 year program

Network and Computer Systems Administrator: bachelor's degree, \$69,160

Computer Support Specialist: some college, \$46,260

Webpage Design/Animation

- ◆ 2 year program
- ◆ 2nd year honors GPA weight

Multimedia Artists and Animators: bachelor's degree, \$58,510

Web Developer: bachelor's degree, \$75,660

Welding Technology

- ◆ 2 year program
- ◆ Early college credit with Greenville Tech (AP GPA weight)
- ◆ Credentials: NCCER Core, OSHA

Welder, Cutter, Solderer, or Brazing workers: certifications, associate's degree, \$35,450

Welding is the most common way of permanently joining metal parts. In this process, heat is applied to metal pieces, melting and fusing them to form a permanent bond. Because of its strength, welding is used in shipbuilding, automobile manufacturing and repair, aerospace applications, etc... Welding also is used to join beams in the construction of buildings, bridges, and other structures and to join pipes in pipelines, power plants, and refineries.



**Quick Facts
about Programs
at
J. Harley Bonds
Career Center
&
Career options
within each
program**

WORKKEYS
JOB SKILLS ASSESSMENT SYSTEM

J Harley Bonds Career Center
505 North Main St
Greer, South Carolina 29650
(864)355-8092
www.greenville.k12.sc.us/bonds

Source: <http://www.bls.gov/ooh/>

Animal Science

- ◆ 1 year program
- ◆ Students participate in FFA

Animal Care & Service Worker: grooming certification, on-the-job training, \$19,780 per year

Veterinary Technician: associate's degree, \$29,710

Veterinarians: doctoral or professional degree, \$82,040

Automotive Technology

- ◆ 2 year program
- ◆ Early college credit with Greenville Tech (AP GPA weight)
- ◆ Certifications: ASE student certification, SP2 safety, Snap-On Meter, Valvoline Motor Oil

Automotive Service Technician: associate's degree, Median = \$35,790

Related fields: Small engine mechanic, Auto Body Repair, Diesel Service Technician, Heavy Vehicle and Mobile Equipment Service

Biomedical Science

- ◆ 2 year program
- ◆ Project Lead the Way curriculum
- ◆ All courses beyond Principles of Biomedical Science/Intro to EMS have honors GPA weight
- ◆ All students participate in HOSA

Biomedical Engineers: Bachelor's Degree, \$81,540

What do they do?

- Design systems and products, such as artificial organs, artificial devices that replace body parts, and machines for diagnosing medical problems.
- Install, adjust, maintain, repair, or provide technical support for biomedical equipment
- Evaluate the safety, efficiency, and effectiveness of biomedical equipment
- Train clinicians and other personnel on the proper use of equipment
- Work with life scientists, chemists, and medical scientists to research the engineering aspects of biological systems of humans and animals

Building Construction

- ◆ 2 year program
- ◆ 2nd year honors GPA weight
- ◆ Credentials: NCCER Core, OSHA

Construction Managers: associate's degree, \$83,860

Electricians: high school diploma, apprenticeship, \$48,250

Plumbers: high school diploma, apprenticeship, \$46,660

Carpenters: high school diploma, apprenticeship, \$39,530

Structural Iron and Steel Workers: high school diploma, apprenticeships, \$44,540

Brickmason: high school diploma, apprenticeship, \$45,410

Computer Service Technology

- ◆ 1 year program
 - ◆ Certifications: CompTia A+
- Computer Technician:** certification, \$37,280

Cosmetology

- ◆ 2 year program
- ◆ 2nd year honors GPA weight
- ◆ Certifications: SC Cosmetology License

Cosmetologist/Barber: license, \$22,500

Related fields: Nail Technician, Skincare Specialist (Esthetician)

Culinary Arts

- ◆ 2 year program
- ◆ Early college credit with Greenville Tech (AP GPA weight)
- ◆ Certifications: ServSafe, work toward ACF certification programs provide instruction in subjects such as nutrition, sanitation, and food planning and preparation, as well as accounting, business law and management, and computer science
- ◆ ProStart - leadership and scholarship opportunities

Culinary Arts (continued)

- ◆ Formal education ranges from on-the-job training associate's degree to bachelor's degree

Chefs/Head Cooks: associate's or bachelor's degree, \$40,630

Hospitality Management: bachelor's degree, \$46,880

Meeting, Convention, & Event Planners: bachelor's degree, \$45,260

Esthetics

- ◆ 1 year program
 - ◆ Certifications: SC Esthetics License
- Esthetician (Skincare Specialist):** license \$28,920

What do they do?

- Evaluate clients' skin condition and appearance
- Discuss available treatments and determine which products will improve clients' skin quality
- Remove unwanted hair using wax or laser treatment
- Clean the skin before applying makeup
- Recommend skincare products, such as cleansers, lotions, or creams
- Teach and advise clients on how to apply makeup and how to take care of their skin
- Refer clients to other skincare specialists, such as a dermatologist, for serious skin problems
- Sterilize equipment and clean work areas

Horticulture

- ◆ 1 year program
 - ◆ All students participate in FFA
- Landscape Architects:** bachelor's degree, \$62,090
- Grounds Maintenance Workers:** licensed to apply pesticides, other professional certifications, \$23,740