Hailey Imai - 34

"Making the decision to be a biomedical engineer was not easy. Many people think about their careers one of two ways; they fell into it or they had a vision and were driven to it. However, my path was confusing and hard to find. I have a passion for biology and am interested in and really good with technology. They were seemingly diverse paths with different skillsets. After some research and investigation, it ultimately led to earning my degree in biomedical engineering.

My day could include organizing device tests, tweaking devices, or brainstorming new medical products and procedures. My day could also be spent analyzing data or coordinating with clinical locations to evaluate, repair, inspect, or conduct preventative maintenance on devices used in patient care. Despite not having a similar day-to-day routine, I am appreciative and thankful to be able to support technology that addresses medical challenges and impacts the healthcare system."

Occupation:	Salary:	Education:
Biomedical Engineer	$94,237	Bachelor's Degree

Job Description:

Bioengineers and Biomedical Engineers apply knowledge of engineering, biology, chemistry, computer science, and biomechanical principles to the design, development, and evaluation of biological, agricultural, and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, and health management and care delivery systems.*

EXPLORE SC@WORK EXPLORE EST. 2024

*Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Job Description:

SOC Code: 17-2031

Top Job Skills:

- Integrate components
- Customer service
- Regulatory compliance
- Repair maintenance
- Servicing medical equipment

General Work Activities:

- Mental Processes
  - Design medical devices or appliances
  - Develop software or computer applications
  - Create models of engineering designs or methods
  - Analyze operational data to evaluate operations, processes or products
- Interacting With Others
  - Supervise engineering or other technical personnel
  - Communicate technical information to suppliers, contractors, or regulatory agencies
- Information Input
  - Research engineering aspects of biological or chemical processes
- Work Output
  - Prepare contracts, disclosures, or applications
  - Maintain operational records or records systems

Source: SC Works Online Services (SCWOS)

JOB STATISTICS*:

Typical Wage Range
$85,570 - $141,140

Projected Growth
12/yr Job Openings

Employed In-State
90

Required Education
Bachelor's Degree

Work Experience
Typically Requires None

On-the-Job Training
Typically Requires None

***Source:** Occupational Employment and Wage Statistics (OEWS) and the U.S. Bureau of Labor Statistics.

EXAMPLES OF WORKFORCE AREAS WITH JOB OPENINGS:

Source: SC Works Online Services. Ask an SC Works representative for more information about postings in your area.

- Worklink
- Greenville
- Catawba
- Trident
- Midlands
- Pee Dee

EXAMPLES OF EMPLOYERS WITH JOB OPENINGS:

Source: O*NET™ and SCWOS. Ask an SC Works representative for more information about postings in your area.

- Clemson University
- TriMedx
- Tidelands Health

RELATED OCCUPATIONS*:

- Biochemists and Biophysicists
- Bioinformatics Scientists
- Chemical Engineers
- Nanosystems Engineers
- Nanotechnology Engineering Technologists and Technicians

NOTE: All data based on state averages. Information may vary depending on region, experience, and specific employment situation. **Last Updated:** 2025.

LEARN MORE WITH SCWOS:

SC Works Online Services (SCWOS) is the state's largest job database and provides all of South Carolina's job postings from all major sites, including Monster and Career Builder, in one resource. SCWOS has thousands of positions listed by employers all over the state. To access SCWOS, visit ***jobs.scworks.org***.

Find in-depth breakdowns of occupational statistics such as necessary job certifications, job skills and abilities, current job openings, overview of general work activities, and more by visiting ***O*NET.org***.