

## Job Listing



**Company Name:** Virtual Imaging, Inc.( subsidiary of Canon U.S.A)

**Location:** Boca Raton, FL

**Job Description:** Biomedical Systems Engineer will help develop new medical imaging machines to help Canon create more technological advancements and stay ahead of competitors in the field.

**Education Requirements:** Bachelor's degree in Biomedical engineering (other degrees will be considered)

**Experience:** Five to seven years of experience in biomedical systems engineering, preferably including imaging equipment as well as experience in regulated environments, ex. FDA.

**Skills:** Strong communication teamwork skills as well as an understanding of how biomedical systems work

Source: [http://www.careerbuilder.com/jobseeker/jobs/jobdetails.aspx?sc\\_cmpl=js\\_jrp\\_jobclick&APath=2.31.0.0.0&job\\_id=J364746SFWY5Z2V2KF08showNewJDP=yes&IPath=ILKVDF](http://www.careerbuilder.com/jobseeker/jobs/jobdetails.aspx?sc_cmpl=js_jrp_jobclick&APath=2.31.0.0.0&job_id=J364746SFWY5Z2V2KF08showNewJDP=yes&IPath=ILKVDF)

## Biomedical Engineering

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Period 10



## Job Description

Biomedical engineers design solutions to medical problems to improve patient care. This can be anything from designing software to run medical equipment to creating artificial body parts or new medical imaging machines.

## Education

Potential Biomedical engineers typically take courses in math, science and biology in high school. Drafting and other basic engineering courses are also recommended.

Biomedical engineers also typically need a bachelors degree in biomedical engineering from a university. However, on job training with degree in another field of engineering is also acceptable.



## Needed Skills and Characteristics

- ♦ Problem Solving– typically dealing with complex biological systems that need thorough analysis.
- ♦ Math Skills-Using calculus and other advanced math concepts to solve problems.
- ♦ Teamwork– Communicating and listening to other people, many of whom may be doctors not engineers

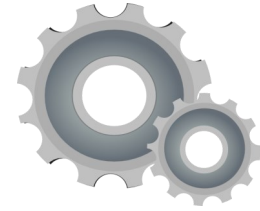
## Typical Wages

Median Wage: 86,960 per year



Scientific research and development services	\$94,150
Medical equipment and supplies manufacturing	88,850
Pharmaceutical and medicine manufacturing	87,340
General medical and surgical hospitals; state, local, and private	69,910
Colleges, universities, and professional schools; state, local, and private	63,440

Chart provided by Bureau of Labor Statistics



## Job Outlook

Biomedical engineering is expected to increase a significantly large 27 percent by 2022. In-fact, biomedical engineering is one of the fastest growing occupations in the country and has triple the expected growth rate of the field of engineering in general. However, because it is a small field of engineering, this growth will only result in about 5,200 jobs. Much of this growth is due to the aging baby-boomer generation and rapid advancements in technology in recent years.

