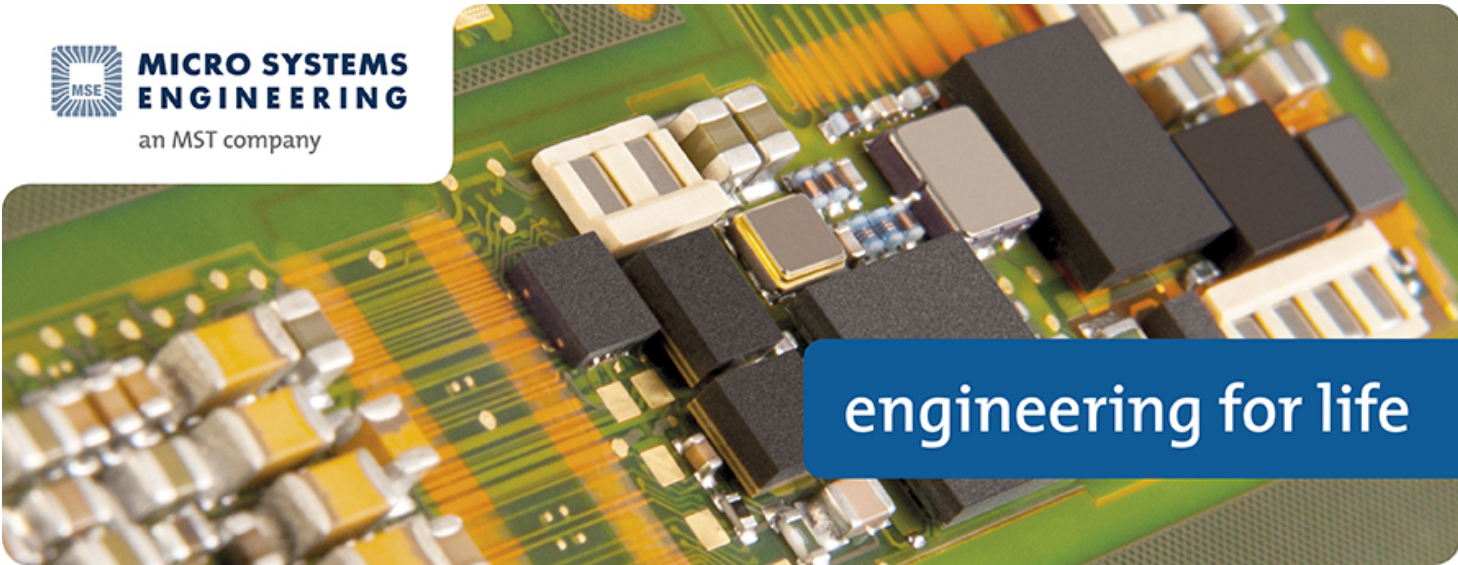


## Job Title: Design & Development Component Engineer



engineering for life

Micro Systems Engineering, Inc (MSEI) is a pioneer in developing innovative technologies and medical devices that save and enhance the quality of life for millions of individuals living with cardiovascular disorders. The company is dedicated to the design and construction of implantable medical devices for cardiac rhythm management. With more than 30 years of experience, our growing success is based on our company's core values – innovation, excellence and reliability, thus enabling us to inspire confidence and trust in doctors and patients all over the world. We are continually looking for talented engineers to share in our mission.

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## Design & Development Component Engineer

This position works to specify, develop and evaluate electronic components and systems in package for use in high-reliability and high quality implantable medical assemblies.

### Primary Responsibilities

- Lead development of new components in a cross-functional team for new product applications.
- Work with internal partners and suppliers to identify electronic components to be used in the BOM and the schematic.
- Lead testing and validation of components for implantable medical applications, by performing appropriate electrical and environmental stress tests.
- Work directly with the suppliers and the Supply Chain department to resolve any technical issues with components.
- Provide a vision for the next generation of components, and develop new component technologies through testing, simulation and prototypes.
- Work with production teams during the scale-up of new products in high volume manufacturing.

### Candidate Profile

#### Educational/Experiential Requirements:

- Bachelor of Science or higher in electrical engineering or equivalent, with a strong foundation in electronic component characteristics.
- Basic knowledge of analog and digital circuit designs.
- Basic knowledge of physics or electrical engineering concepts used in designs of components such as diodes, FETs, memory, transformers, crystals, discrete capacitors, inductors, resistors, etc.
- Basic knowledge of component packaging, assembly processes and materials.
- Experience or familiarity with quality systems including technical writing of quality-relevant documentation.
- Demonstrated leadership skills, with excellent verbal and written communication skills and excellent problem solving and troubleshooting skills.

#### Physical Job Requirements:

The physical demands described within the Responsibilities section of this job description are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is regularly required to be independently mobile.
- The employee is also required to interact with a computer for extended periods of time, and communicate with co-workers.
- Must be able to travel to other office locations.

#### Travel Requirements:

Travel, both international and domestic, less than 10%.

Are you interested? Please apply online! We are looking forward to welcoming you.

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Location: Lake Oswego(0001)  
Working hours: Full-time

Job ID: 17241

#### Micro Systems Technologies

Headquartered in Switzerland and active around the globe, the Micro Systems Technologies (MST) Group consists of four technology companies with more than 1100 employees. The MST companies develop and manufacture innovative products and components for medical technology and other applications which require the highest level of performance and reliability.



[www.mst.com](http://www.mst.com)

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#### The MST Companies:

