

# STEM

# INDUSTRY SPOTLIGHT

Global, Spine & Biologics  
headquartered in Memphis, TN



## Medtronic



**Q** What is the mission of your company?

**A** To contribute to human welfare by application of biomedical engineering in the research, design, manufacture, and sale of instruments or appliances that alleviate pain, restore health, and extend life.

**Q** What areas of STEM are represented in your company?

**A** Science, Technology, Engineering

**Q** What degrees/certificates are required to obtain a STEM career position at the company?

**A** A bachelor's degree is the minimum requirement for all technical positions.

**Q** What skills are required to work at your company and what skills should students develop if they plan to enter a STEM field?

**A** Technical Writing Understanding of Quality Tools, CAD Software, Metal Manufacturing, Computer Skills, Experience with medical devices (Instruments & Implants), Exposure to working in a cross-functional team (Quality, Regulatory, Manufacturing), Basic understanding of MSAs/GR&Rs, Basic understanding of manufacturing qualifications (IQ/OQ/PQ).

**Q** What kinds of internships does your company offer (if any)?

**A** Some internships in Engineering.

**Q** What is an interesting fact about your company that would appeal to a student?

**A** Medtronic is a Global Leader in Spine Industry.

**Q** Does your company currently engage in outreach programs involving K12 students and teachers or college students?

**A** Yes.

**Q** What advice would you share with students that are considering a STEM profession?

**A** Seek opportunities to gain experience while attending school.

**Q** Why should a student consider your company as a future employer?

**A** Medtronic is the world's largest medical technology company, offering an unprecedented breadth and depth of innovative therapies to fulfill our Mission of alleviating pain, restoring health, and extending life. Last year, more than 9 million people benefited from our medical therapies, which treat cardiac and vascular diseases, diabetes, and neurological and musculoskeletal conditions.

**Q** Do you anticipate a high demand for STEM professionals at your company in the next 4-8 years?

**A** Yes, these are key functions to our business.