Senior Scientist

Medtronic has a rich history in medical technology and innovation. They have created or improved therapies to treat more than 70 medical conditions at the therapeutic, procedural, and system levels. **Senior scientists**, like Dr. Kimberly Chaffin, lead these efforts through development and research. She is working to advance new technologies across all parts of the business, and she is a recognized expert for her research on the role of **material thermodynamics**.

**WHAT IS A SENIOR SCIENTIST?**

**Senior scientists** are research professionals who are usually seen as leaders within their organizations. They usually manage teams of other scientists and collaborate with other departments like marketing, sales, development, and engineering.

**IS SENIOR SCIENTIST A GOOD CAREER FOR ME?**

Senior scientists are:

- Collaborative.
- Good at solving complex problems.
- Excellent leaders.
- Confident with evolving technology.

---

**CAREER OUTLOOK**

The job outlook for **senior scientists**, especially in medicine, is projected to grow at a much faster rate than average. The COVID-19 pandemic, the aging population, and the increase in chronic disease have all created new demands for medical innovation.

**Projected job growth:** 17% (2020–2030)

**Average salary range:** $91,510/year

**Thermodynamics**

The relationship between heat, work, temperature, and energy. The laws of thermodynamics describe whether a system can work in its given environment.

---

Senior Scientist

HOW DO I BECOME A SENIOR SCIENTIST?
You will need to:

• Take classes in lab sciences, technology, engineering, and medicine.
• Develop your communication and leadership skills.
• Gain experience working with postdoctoral research or in medical positions.

AM I...

☐ Innovative?
☐ Analytical?
☐ Solution oriented?
☐ Interested in medicine?

DO I...

☐ Like conducting research?
☐ Enjoy lab sciences?