

CAREER PROFILE

CAREER OUTLOOK²

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

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?¹

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.

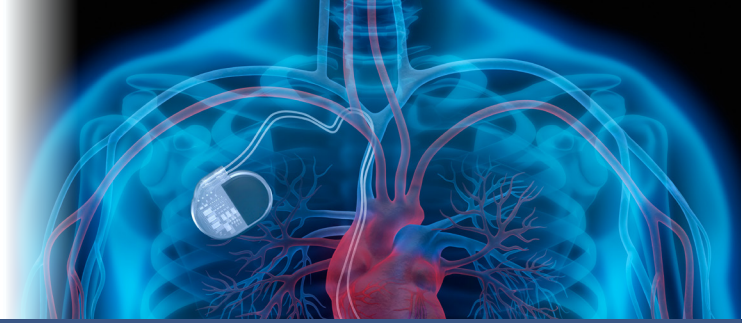
IS SENIOR SCIENTIST A GOOD CAREER FOR ME?

Senior scientists are:

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

¹ <https://bit.ly/3l1fwMg>

² <https://www.bls.gov/ooh/life-physical-and-social-science/medical-scientists.htm>



Senior Scientist

AM I...

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

DO I...

- Like conducting research?
- Enjoy lab sciences?

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.