

MICROBIOLOGIST

AVERAGE SALARY:

\$71,650

EDUCATIONAL REQUIREMENTS:



RELATED HIGH SCHOOL CLUBS: Medicine, Science



Bachelor's of Science (BS)
Degree in Microbiology,
Biology, Ecology or Biomedical
Science

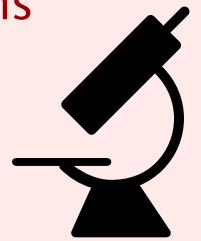
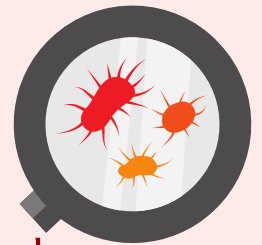
Advanced Education: Master's
Degree or PhD in Microbiology

RELATED HIGH SCHOOL CLASSES:

Biology, Chemistry, Physics,
Calculus

ON THE JOB

1. Study the world of microorganisms that are too small to be seen with the naked eye
2. Isolate and maintain cultures of bacteria or other microorganisms for future study
3. Monitor the effect of microorganisms on plants, animals, and other microorganisms and on the environment
4. Plan and conduct research projects, such as developing new drugs to combat infectious diseases
5. Identify and classify microorganisms found in specimens collected from humans, water, food, and other sources

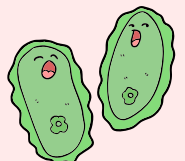
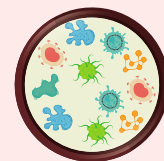
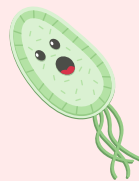


RELATED CAREERS:

Biologist, Marine Biologist,
Medical Scientists

1. National Health Service
2. National Institute of Allergy and Infectious Diseases
3. US Department of Agriculture
4. Hospital and University Laboratories

EXAMPLES OF EMPLOYERS



FUN FACTS:

- All of your microbes combined weigh about as much as your brain: about three pounds.
- Bacteria have been around for at least 3.5 billion years, making them the oldest known life-form on the planet.
- Bacteria become resistant to drugs over time. Taking antibiotics too often or for the wrong reasons can change bacteria so much that antibiotics don't work against them.