

What can I do with a degree in... Medical Technology?



OSU Department of Microbiology and Molecular Genetics

The Department of Microbiology and Molecular Genetics offers the Bachelor of Science in Medical Technology. Students pursuing this degree must complete 3 years of university work and one year of internship in an OSU affiliated hospital program.

What is Medical Technology?

Medical Technology is a clinical laboratory science related to the detection, diagnosis and treatment of disease. Medical technologists perform routine and complex analyses, often utilizing sophisticated instrumentation.

Entry Level Jobs Include

- Cytotechnologist
- Medical Technologist
- Laboratory Technician
- Blood Bank Specialist
- Technical Writer
- Bioanalyst

Career Options with an Advanced Degree or Experience

- Biochemist
- Research Biologist
- Microbiologist
- Pharmacist
- Biomedical Engineer
- Clinical Pathologist

For More Information

A&S Career Services Coordinator
Oklahoma State University
203 Life Sciences East
Stillwater, OK 74078-3015
405.744.7547, 405.744.4465, 405.744.1189
jmich@okstate.edu or elizaao@okstate.edu

Medical Technology Job and Internship Web Sites

American Medical Technologists (Log in needed)
<http://www.amt1.com/>

Medical Workers.Com
<http://www.medicalworkers.com/>

Bioview (Careers in Life Sciences)
<http://bioview.com>

Department of Veterans Affairs
<http://www.odva.state.ok.us/>

Center for the Advancement of Science & Technology
<http://www.ocast.state.ok.us/>

State Department of Health
<http://www.health.state.ok.us/program/hrmd/jobs.html>

Oklahoma State Board of Pharmacy
<http://www.state.ok.us/~pharmacy/>

American Hospital Directory
<http://www.ahd.com/>

American Medical Informatics Association (membership)
<http://www.amia.org/>

Physician and Sports Medicine Online
<http://www.physsportsmed.com/>

Office of Science
<http://www.scied.science.doe.gov/>

Medhunter.Com (Medical Job Listing)
<http://www.medhunter.com/searchjobs.html>

J.D. McCarty Center
<http://www.jdmc.org/>

HotBot: Health Information Source
<http://www.hotbot.com/health/>

Bio Find
<http://www.biofind.com>

Center for Disease Control
<http://www.cdc.gov>

Sample Careers in Medical Technology

Biomedical Laboratories

Biomedical Laboratories develop and manufacture immunodiagnostic systems and equipment for physicians, clinical laboratories and hospitals as well as commercial products that strive to improve human performance and combat aging. Examples include; systems that assist in the diagnosis of allergens in the in-vitro environment, infectious diseases, autoimmune diseases, malignancies, etc. Medical Technologists in these areas work on teams to create diagnostic systems that are fast, accurate, reliable, and can be performed easily with less hands-on time.

Health Agencies

Medical technologists in public health agencies perform a full range of laboratory tests—from simple pre-marital blood tests, to more complex tests to uncover diseases such as AIDS. Employers in this area are looking for detail oriented, self-sufficient employees who can operate complex electronic equipment, computers, and precision. Employees must communicate well, both in writing and speaking. Health agency medical technicians deal with public health issues concerning the detection, diagnosis and treatment of disease.

Medical

Hospitals, clinics and blood banks employ medical technologists to perform on-site testing and address medical issues specific to these environments. Medical technicians are responsible for performing patient diagnostic testing and for assisting in the identification, isolation and abatement of biohazards that affect the working conditions of hospital patients and staff.

Research

Many employers in this area hire medical technologists because they are precise and thorough. They are trouble-shooters who not only report accurate results, but also know when results are incorrect and need to be rechecked. Educational, state and federal governments, as well as private laboratories, are looking for medical technologists to fill many research positions. Medical technologists serve on laboratory teams that research anything from disease control and prevention to product engineering and manufacturing.

Areas of Specialization

- Cell Marker Technology
- Cancer Research
- Chemistry
- Immunology
- Drug Testing
- Biogenetics
- Marketing/Sales
- Environmental Health
- Bioengineering
- Blood Banking
- Hematology
- Microbiology
- Drug Monitoring
- Product Development
- Quality Assurance
- Insurance

Samples Jobs include

- Blood Bank Specialist
- Medical Technologist
- Laboratory Technician
- Cytotechnologist
- Bioanalyst
- Biochemist
- Biomedical Engineer
- Research Biologist
- Microbiologist
- Pharmacist
- Clinical Pathologist
- Technical Writer
- Instructor
- Professor
- Administrator

Employers Include

- Hospitals
- Clinics
- Public Health Agencies
- State/Federal Government Agencies
- Molecular Diagnostic Companies
- Molecular Biotechnology Companies
- In Vitro Fertilization Laboratories
- Research Labs
- Consulting Firms
- Blood Banks
- Pharmaceutical Manufacturers
- Colleges/Universities
- Food and Beverage Manufactures
- Biological Publishing
- Independent Laboratories
- U.S. Department of Health and Human Services
- Public Health Service
- Centers for Disease Control and Prevention
- National Institutes of Health