What you can do with your MICROBIOLOGY MAJOR

Microbiology Major Skills:

**Critical Thinking**
You learn to examine disparate information and analyze connections to address problems in microbiology, identify trade-offs of alternate outcomes, and use microbiology to develop solutions.

**Research & Scientific Writing**
You define a research question, design and carry out methods to answer that research question, and report findings, writing in a publishable style.

**Digital Literacy**
You learn to leverage existing digital technologies ethically and efficiently to solve problems, complete tasks, and accomplish goals, utilize a variety of data analysis and simulation, database, and graphics softwares.

**Data Analysis**
You can collect, code, and analyze quantitative data, utilizing appropriate tools including bioinformatics, predict outcomes, interpret results of data gathering, and present data.

**Ethical Thinking**
You learn to look beyond the science to understand the importance of ethical standards in research and its impact on society, understand conflict of interest, ensure research is done safely and scientific knowledge is reliably presented and disseminated appropriately.

**Teamwork**
You work collaboratively with others to achieve common goals, negotiate and manage conflict.

Supplement Your Skills With:

- **Experience Fostering Professional Equity & Inclusion**
- **Written & Oral Communication**
- **Leadership & Mentoring**
- **Career & Self Development**
- **Gain Experience: Modern Research Methods Taught in Class, Research Labs, Internships & Part-Time Work**

Chart Your Path Forward

- **Activate Your Handshake Account**
  for connections to jobs, internships, employer & alumni networking.

- **Explore Career Communities**
  to discover a wide variety of fields where you can turn your major into success.

- **Get Career & Internship Advising**
  from SuccessWorks to make a plan, whether you’re a first-year student or about to graduate.

Get Started: successworks.wisc.edu
Put your Microbiology major to WORK

Frequent Alumni Job Titles:
1. Scientist/Research Scientist
2. Microbiologist
3. Research Associate
4. Quality Assurance/Systems Manager
5. Registered Nurse
6. Physician
7. Project Manager
8. Consultant
9. Pharmacy Technician
10. Veterinarian
11. Vice President/Director of Sales

Common Employers of Alumni:
- 3M
- Abbvie
- Amgen
- Aurora Healthcare
- Catalent Pharma Solutions
- Covance
- Deloitte
- DSM
- Epic
- Exact Sciences
- Fairview Health Services

Epic
Covance

Recent Grads’ Career Plans:
51% Continuing Education or Grad School
47% Employment
4% Volunteering or Service Programs

Recent Grads’ Employment Industries:
- Life Sciences
- Education
- Healthcare
- Food Production
- Research
- Government
- Manufacturing
- Consumer Goods
- Hospitality
- Information Technology

Where Alumni Live & Work:
- Wisconsin 45%
- Illinois 12%
- Minnesota 4%
- California 4%
- Other 38%

Tom Donohue, 2002
Director of Operations, Deibel Laboratories
Madison, WI

Maikayeng Vang-Smith, 2019
Research Associate, Nature’s Fynd
Chicago, IL

“My Microbiology major helped jumpstart my career in food safety. I am now in a leadership role at an international food testing company ensuring food products and production environments are free from microbial pathogens.”

“The hands-on experience in my lab courses coupled with the mentorship from my professors during my time as a Microbiology major have been instrumental to my success post graduation.”

Career Communities for Microbiology Majors
SuccessWorks has eight Career Communities to connect you with career advising, resources and programs. Here are a few suggestions on where Microbiology majors can start.

Not inspired by these options? Visit SuccessWorks to explore more widely.

Scientific Research & Development
Healthcare & Human Services
Environment, Natural Resources & Wildlife
Non-Profit Management & Education
successworks.wisc.edu