Channeling scientific curiosity to fuel discovery and innovation

We offer cutting-edge programs in Biological Sciences and Biotechnology, focused on preparing you for a career that is both impactful and rewarding. With hands-on learning in the classroom, laboratory and the field, you’ll get the experience you need to turn your scientific passion into a profession.

READY TO TAKE THE NEXT STEP?
Schedule a tour or apply today.
manchester.unh.edu/explore
unhm.admissions@unh.edu • 603-641-4150

“My main focus is to get students involved in real bench science, either with me or someone else, and give them the chance to make a real scientific discovery.”

– Kyle MacLea
Assistant Professor of Biological Sciences
Bachelor of Arts

Biological Sciences
Discover the inner workings of living organisms from molecules to ecosystems in our Biological Sciences program. Diverse areas of study, faculty experts and hands-on laboratory experience prepare you for success in industries from healthcare to agriculture to education.

Bachelor of Science

Biotechnology
You’re a scientist at heart — curious about how everything works, right down to the smallest detail. Exploring topics like biochemistry, molecular biology and genetics, our Biotechnology program puts you at the heart of one of the newest and fastest-growing scientific fields.

AREAS OF STUDY

- Biology Teaching
- Ecology*
- Microbiology
- Pre-Dental
- Pre-Med
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physician Assistant Studies
- Pre-Veterinary

* Only available in the Biological Sciences program

Get hands-on experience in our seven state-of-the-art laboratories: general biology, advanced biology, microbiology, general chemistry, organic chemistry and cell culture, as well as a microbiology research lab.
Your Degree, Your Future

Our programs offer the flexibility for learning that fits your life, and the personalization to tailor your degree to the future you want. With projected growth in biology-related professions, the practical experience and individual attention you’ll get at UNH Manchester will help you land your dream job, or secure your seat in graduate or professional school.

**Career Possibilities**

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Job Growth¹</th>
<th>Entry Level Salary²</th>
<th>Experienced Salary²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemist</td>
<td>19%</td>
<td>$45,614</td>
<td>$135,595</td>
</tr>
<tr>
<td>Biological Science Teacher, Postsecondary</td>
<td>20%</td>
<td>$57,896</td>
<td>$131,678</td>
</tr>
<tr>
<td>Biological Scientist</td>
<td>7%</td>
<td>$52,686</td>
<td>$88,442</td>
</tr>
<tr>
<td>Medical and Clinical Laboratory Technologist</td>
<td>14%</td>
<td>$48,194</td>
<td>$70,283</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>15%</td>
<td>$101,234</td>
<td>$135,762</td>
</tr>
<tr>
<td>Veterinarian</td>
<td>12%</td>
<td>$62,442</td>
<td>$118,518</td>
</tr>
</tbody>
</table>

¹. Bureau of Labor Statistics, projected growth from 2012 to 2022
². New Hampshire Occupational Employment & Wages, June 2014

Get hands-on experience in our seven state-of-the-art laboratories and in the field, like this student studying aquatic microbiology at Manchester’s Lake Massabesic.
Your Road to Success

To get your bachelor's degree, you'll complete 128 credits between courses for the University Discovery Program and your major. Below are examples of what your course sequence might look like. *Courses are subject to change.*

### Biological Sciences, B.A.

#### First Year

**Fall Semester**
- BIOL 413 – Principles of Biology I*
- CHEM 403 – General Chemistry I
- MATH 418 – Analysis & Application of Functions
- ENGL 401 – First Year Writing
- UMST 401 – First Year Experience Seminar

**Spring Semester**
- BIOL 414 – Principles of Biology II
- CHEM 404 – General Chemistry II
- Discovery Course
- Discovery Course

#### Second Year

**Fall Semester**
- BMS 503 – General Microbiology
- BIOL 541 – General Ecology
- Foreign Language I
- Discovery Course

**Spring Semester**
- GEN 604 – Principles of Genetics
- PSYC 402 – Statistics in Psychology
- Foreign Language II
- Discovery Course

#### Third Year

**Fall Semester**
- 600/700 – Biological Concentration
- Discovery Course
- Elective Course

**Spring Semester**
- 600/700 – Biological Concentration
- Discovery Course
- Elective Course

#### Fourth Year

**Fall Semester**
- 600/700 – Biological Concentration
- Elective Course
- Elective Course

**Spring Semester**
- 600/700 – Biological Concentration
- Capstone (Internship, Research or Independent Study)
- BSCI 701 – Senior Seminar
- Elective Course

* This course fulfills the Inquiry (INQ) requirement.

### Biotechnology, B.S.

#### First Year

**Fall Semester**
- BIOL 413 – Principles of Biology I*
- CHEM 403 – General Chemistry I
- MATH 424B – Calculus for Life Sciences or
  MATH 425 – Calculus I
- ENGL 401 – First Year Writing
- UMST 401 – First Year Experience Seminar

**Spring Semester**
- BIOL 414 – Principles of Biology II
- CHEM 404 – General Chemistry II
- Discovery Course
- Discovery Course

#### Second Year

**Fall Semester**
- BMS 503 – General Microbiology
- CHEM 651/653 – Organic Chemistry I
- BSCI 501 – Ethical Issues in Biology
- Discovery Course

**Spring Semester**
- GEN 604 – Principles of Genetics
- CHEM 652/654 – Organic Chemistry II
- PSYC 402 – Statistics in Psychology
- Discovery Course

#### Third Year

**Fall Semester**
- 600/700 – Biotechnology Concentration
- PHYS 401 – Physics I
- Discovery Course
- Elective Course

**Spring Semester**
- 600/700 – Biotechnology Concentration
- BMCB 658/659 – Biochemistry
- Discovery Course
- Elective Course

#### Fourth Year

**Fall Semester**
- 600/700 – Biotechnology Concentration
- 600/700 – Biotechnology Concentration
- Elective Course
- Elective Course

**Spring Semester**
- 600/700 – Biotechnology Concentration
- Capstone (Internship, Research or Independent Study)
- BSCI 701 – Senior Seminar
- Elective Course

* This course fulfills the Inquiry (INQ) requirement.

#### Ready to Take the Next Step?
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