

BIOTECHNOLOGY MINOR

<https://manchester.unh.edu/program/minor/biotechnology>

Description

The Minor in Biotechnology will introduce students to the field of biotechnology in a five-course sequence that will provide substantial education and training in bioethics, as well as the central content areas of biology and biotechnology, with a focus on modern genetics and laboratory techniques. Students adding the biotechnology minor will be adding a valuable credential to their major, indicating a substantial additional skill set in the laboratory-focused and forward-looking field of biotechnology.

To ensure a course counts in the minor, it is required that students consult the minor coordinator, [Dr. Kristen Johnson](mailto:Dr.Kristen.Johnson@unh.edu) (Kristen.Johnson@unh.edu), before enrolling in the course.

Requirements

Students must complete five courses (20-21 credits, depending on the courses chosen). The minimum acceptable grade in these courses is a C-, and the average grade for these courses must be a C or better. Transfer course approval for the minor is limited to, at most, two relevant courses successfully completed at another accredited institution, subject to syllabi review and approval. Courses for non-majors will not count towards the minor.

| Code | Title | Credits |
|---|--|--------------|
| Required Courses | | |
| BIOT 501 | Ethical Issues in Biology | 4 |
| GEN 604 | Principles of Genetics ^{1,3} | 4 |
| Biotechnology lab techniques course ^{1,2} | | 4-5 |
| Select one of the following: | | 8 |
| BIOL 411 & BIOL 412 or BIOL 413 & BIOL 414 | Introductory Biology: Molecular and Cellular and Introductory Biology: Evolution, Biodiversity and Ecology Principles of Biology I and Principles of Biology II | |
| Total Credits | | 20-21 |

¹ Biotechnology majors-level course.

² BMS 503 General Microbiology/BMS 504 General Microbiology Laboratory may be an additional pre-requisite course.

³ Students in majors with 3+ course overlap (e.g., Neuropsychology) will need a different course than GEN 604 Principles of Genetics within the Biotechnology major. BMS 503 General Microbiology/BMS 504 General Microbiology Laboratory is a recommended alternative.