

The University of Rhode Island offers a cutting edge program in the area of Biotechnology Manufacturing that will prepare students for the thriving biotechnology industry.

The program is offered in an intensive format at the URI Feinstein Providence Campus and can accommodate students from all areas of Rhode Island and southern Massachusetts. Free parking is available for all URI/Providence Campus students. Courses are taught by authorities in the fields of biotechnology and biotechnology manufacturing. Not only will students gain a comprehensive knowledge of biotechnology and biotechnology manufacturing, they will also have the opportunity to complete an internship at an established biotechnology company and become eligible for employment following the internship. Companies participating in the internships include Alexion, Amgen, Biomedical Structures, Concordia Medical, EpiVax, Genzyme, HybriGene, Isis Biopolymers, Lanza, Myomics, Tedor Pharma, Neurotech and Organogenesis.

This partnership between education and industry establishes a solid base focused on academic and economic growth. The program allows students to concentrate on class work that can earn them eligibility for employment in the fast growing field of biotechnology.



The Biotechnology Mfg. Program is designed to provide the student with several academic options that can culminate in industry-based employment as well as a B.S. degree in Clinical Laboratory Science with a specialty in Biotechnology Mfg.

So just *how* does this program work?

Thirty-three credits of basic Biology, Chemistry and Biotechnology are to be completed within the first year prior to the summer internship portion of the program in order for the student to be considered for participation in an industry based internship.

Following the summer internship, students who are selected for employment may finish their Bachelor of Science degrees on a part-time basis. Students who are not eligible for a summer internship or who choose not to apply for an internship position may complete their Bachelor of Science degrees in one of several concentrations within the department.

The following schematic illustrates program requirements and options.

Sample Curriculum

Year 1 (Full time at URI Feinstein Providence Campus)

<i>Fall Semester</i>	<i>Credits</i>
Principles of Biology I	4
General Chemistry I	4
Intra. to Microbiology	4
Intra. to URI	1
Issues in Biotechnology	3
<i>Spring Semester</i>	<i>Credits</i>
Principles of Biology II	4
Human Physiology	3
Organic Chemistry	4
Internship Guidance	1
Biotech. Mfg. Methods	5
<i>Summer Semester</i>	<i>Credits</i>
Industry based Internship	12
Total Credits	45

Year 2

Reduced time at URI Feinstein Providence Campus/ Kingston Campus/Distance Learning

The second year includes courses such as Genetics, Microbiology, Anatomy, and Physiology.

Total Credits 22

Year 3

Reduced time at URI Feinstein Providence Campus/ Kingston Campus/Distance Learning

The third year includes courses such as Immunology, Molecular Biology and a variety of General Education Courses

Total Credits 26

Year 4

Reduced time at URI Feinstein Providence Campus/ Kingston Campus/Distance Learning

The fourth year includes courses such as Cell Biology, Statistics, Physics and a variety of electives.

Total Credits 27

Total Cumulative Credits 120

Program Fee **Subject to change**

covers the first-year, full-time, Providence-based component which includes the required fall, spring, and summer internship semesters. The fee is the same for Rhode Island and non-Rhode Island residents. Courses taken after the first year in the reduced time component are billed at the standard URI/Providence Campus rates. For scholarship information, please call Zena at (401) 277-5162 or log onto: www.uri.edu/prov

The University of Rhode Island is committed to the principles of affirmative action and the attainment of equal employment and equal opportunities for all qualified individuals.