Students taking the BSc Program in Biotechnology and Business as their first major are exempted from the School Requirements. However, they are still required to complete the University requirements in addition to the major requirements for graduation. For details please refer to the respective sections on this website.

Some courses used to fulfill Major Requirements can also fulfill University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards Common Core Requirements.

**Major Requirements**

**Required Course(s)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BIBU</td>
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<td>BIBU</td>
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<td>BIBU</td>
<td>Biotechnology Management</td>
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<td>Biotechnological Application of Recombinant DNA Techniques</td>
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<td>Principles of Recombinant DNA Technology</td>
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<td>Plant Biotechnology</td>
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<td>LIFS</td>
<td>Aquaculture Biotechnology</td>
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<td>Concepts and Issues in Contemporary Biotechnology</td>
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<td>General Chemistry II</td>
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<tr>
<td>MATH</td>
<td>Calculus and Linear Algebra</td>
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<td>Calculus IA</td>
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<td>MATH 1013</td>
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<td>MATH 1023</td>
<td>Honors Calculus I</td>
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<td>PHYS 1001</td>
<td>Physics and the Modern Society</td>
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<td>PHYS 1111</td>
<td>General Physics I</td>
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<td>PHYS 1112</td>
<td>General Physics I with Calculus</td>
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<td>ECON 2103</td>
<td>Principles of Microeconomics</td>
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<td>ECON 2123</td>
<td>Macroeconomics</td>
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<td>FINA 2203</td>
<td>Fundamentals of Business Finance</td>
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<td>ISOM 2010</td>
<td>Introduction to Information Systems</td>
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<td>ISOM 2700</td>
<td>Operations Management</td>
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<td>MARK 2120</td>
<td>Marketing Management</td>
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<td>MGMT 2110</td>
<td>Organizational Behavior</td>
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<td>MGMT 2130</td>
<td>Business Ethics and Social Responsibility</td>
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<td>LABU 2060</td>
<td>Effective Communication in Business</td>
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<td>LANG 2010</td>
<td>English for Science I</td>
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<tr>
<td>LANG 3014</td>
<td>Laboratory Report Writing for Life Science Students</td>
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**Elective(s)**

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<tr>
<th>SSCI/SBM</th>
<th>Biotechnology and Business Electives (courses from the specified elective list, of which at least 3 credits from each area in Biotechnology / Business)</th>
<th>Minimum credit(s) required</th>
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<tbody>
<tr>
<td>LIFS 3060</td>
<td>Microbiology</td>
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<td>LIFS 3140</td>
<td>General Genetics</td>
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<td>LIFS 3260</td>
<td>Microbiology Laboratory</td>
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<td>LIFS 4140</td>
<td>Cancer Biology</td>
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<td>LIFS 4370</td>
<td>Human Genetics and Personalized Medicine</td>
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<td>LIFS 4380</td>
<td>Pharmacology and Toxicology</td>
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<td>LIFS 4550</td>
<td>Biochemistry of Nutrition</td>
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<td>LIFS 4630</td>
<td>Advanced Topics in Biotechnology</td>
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<td>LIFS 4760</td>
<td>Biochemistry of Diseases</td>
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<td>BTEC 5340</td>
<td>Biomarkers and Medical Devices</td>
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<td>BTEC 5380</td>
<td>Drug Discovery and Development</td>
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<td>CHEM 2110</td>
<td>Organic Chemistry I</td>
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<td>CHEM 2155</td>
<td>Fundamental Organic Chemistry Laboratory</td>
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<td>CHEM 2311</td>
<td>Analytical Chemistry</td>
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<td>Fundamental Analytical Chemistry Laboratory</td>
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**Business**

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<tr>
<th>Course Code</th>
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<tr>
<td>ACCT 2020</td>
<td>Introduction to Accounting for Non-Business Majors</td>
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<td>ECON 3014</td>
<td>Managerial Microeconomics</td>
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<td>ECON 3024</td>
<td>Managerial Macroeconomics</td>
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<td>FINA 4103</td>
<td>Financial Markets Trading and Structure</td>
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<td>ISOM 3310</td>
<td>e-Business Management and Web Analytics</td>
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<td>ISOM 3360</td>
<td>Data Mining for Business Analytics</td>
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<td>ISOM 3710</td>
<td>Management Science</td>
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<td>ISOM 4020</td>
<td>Innovation Management and Technology Entrepreneurship</td>
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<td>ISOM 4750</td>
<td>Business Project Management</td>
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<td>MARK 3220</td>
<td>Marketing Research</td>
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<td>MARK 3410</td>
<td>Promotion and Advertising Management</td>
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<td>MARK 3480</td>
<td>Pricing Strategy</td>
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<td>MARK 4450</td>
<td>Brand Management</td>
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<td>MGMT 3110</td>
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<td>MGMT 3120</td>
<td>Managerial Leadership</td>
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**Remarks on course(s):**

- BIBU 4820: This is a new course subject to approval.
- BIBU 4830: This is a new course subject to approval.
- BIBU 4840: This is a new course subject to approval.