(For students admitted in 2023-24 under the 4-year degree)

**BSc in Biotechnology and Business**

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.

Students may use no more than 6 credits earned from courses offered in self-paced online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Under the new 30-credit Common Core Program which is applicable to students admitted to the University in 2022-23 and thereafter, courses that have been counted towards Major Requirements are not allowed to be reused for fulfillment of the University Common Core Requirements. Students should look up the details of the Common Core Program including the general and School-program-specific distributional requirements posted on the Common Core website where the link to it is available on this website.

### Major Requirements

#### Required Course(s)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIBU 1010</td>
<td>Biotechnology and Business Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BIBU 4820</td>
<td>Biotechnology Entrepreneurship and Business Operations</td>
<td>3</td>
</tr>
<tr>
<td>BIBU 4830</td>
<td>Biotechnology Management</td>
<td>3</td>
</tr>
<tr>
<td>BIBU 4840</td>
<td>Note: BIBU 4840 OR BIBU 4850</td>
<td>3-6</td>
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<tr>
<td>BIBU 4850</td>
<td>Biotechnology and Business Project Research</td>
<td>6</td>
</tr>
<tr>
<td>LIFS 1901</td>
<td>General Biology I</td>
<td>3</td>
</tr>
<tr>
<td>LIFS 1902</td>
<td>General Biology II</td>
<td>3</td>
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<tr>
<td>LIFS 1904</td>
<td>Laboratory for General Biology II</td>
<td>1</td>
</tr>
<tr>
<td>LIFS 2040</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>LIFS 2070</td>
<td>Introduction to Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>LIFS 2210</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>LIFS 3110</td>
<td>Biotechnological Application of Recombinant DNA Techniques</td>
<td>3</td>
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<tr>
<td>LIFS 4150</td>
<td>Plant Biotechnology</td>
<td>3</td>
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<tr>
<td>LIFS 4200</td>
<td>Concepts and Issues in Contemporary Biotechnology</td>
<td>3</td>
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<tr>
<td>CHEM 1008</td>
<td>Note: Students with level 3 or above in HKDSE 1x Chemistry are exempted from taking CHEM 1008</td>
<td>0-3</td>
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<tr>
<td>CHEM 1020</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry II</td>
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2023-24 BIBU (4Y) (2023-24 intake)
### MATH

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Calculus</td>
<td>MATH 1003</td>
<td>Calculus and Linear Algebra</td>
<td>3</td>
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<tr>
<td>Calculus IA</td>
<td>MATH 1012</td>
<td>Calculus IA</td>
<td>4</td>
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<tr>
<td>Calculus IB</td>
<td>MATH 1013</td>
<td>Calculus IB</td>
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<tr>
<td>Accelerated Calculus</td>
<td>MATH 1020</td>
<td>Accelerated Calculus</td>
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<tr>
<td>Honors Calculus I</td>
<td>MATH 1023</td>
<td>Honors Calculus I</td>
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**Note:** MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023

### PHYS

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>Introductory Physics</td>
<td>PHYS 1101</td>
<td>Introductory Physics</td>
<td>4</td>
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<tr>
<td>General Physics I</td>
<td>PHYS 1111</td>
<td>General Physics I</td>
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</tr>
<tr>
<td>General Physics I with Calculus</td>
<td>PHYS 1112</td>
<td>General Physics I with Calculus</td>
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<tr>
<td>Honors General Physics I</td>
<td>PHYS 1312</td>
<td>Honors General Physics I</td>
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**Note:** PHYS 1101 OR PHYS 1111 OR PHYS 1112 OR PHYS 1312

### ACCT

<table>
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<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Principles of Accounting II</td>
<td>ACCT 2200</td>
<td>Principles of Accounting II</td>
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### ECON

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Principles of Microeconomics</td>
<td>ECON 2103</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>Microeconomics</td>
<td>ECON 2113</td>
<td>Microeconomics</td>
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<tr>
<td>Macroeconomics</td>
<td>ECON 2123</td>
<td>Macroeconomics</td>
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<tr>
<td>Fundamentals of Business Finance</td>
<td>FINA 2203</td>
<td>Fundamentals of Business Finance</td>
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</tr>
<tr>
<td>Introduction to Information Systems</td>
<td>ISOM 2010</td>
<td>Introduction to Information Systems</td>
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<tr>
<td>Business Statistics</td>
<td>ISOM 2500</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
<td>Operations Management</td>
<td>ISOM 2700</td>
<td>Operations Management</td>
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<tr>
<td>Marketing Management</td>
<td>MARK 2120</td>
<td>Marketing Management</td>
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<tr>
<td>Organizational Behavior</td>
<td>MGMT 2110</td>
<td>Organizational Behavior</td>
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<tr>
<td>Business Ethics and Social Responsibility</td>
<td>MGMT 2130</td>
<td>Business Ethics and Social Responsibility</td>
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<tr>
<td>English for Science I</td>
<td>LANG 2010</td>
<td>English for Science I</td>
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### LANG

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>Professional Writing for the Workplace</td>
<td>LANG 2061</td>
<td>Professional Writing for the Workplace</td>
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<tr>
<td>Professional Speaking for the Workplace</td>
<td>LANG 2062</td>
<td>Professional Speaking for the Workplace</td>
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<tr>
<td>Advanced Academic Writing</td>
<td>LANG 3060</td>
<td>Advanced Academic Writing</td>
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</table>

**Note:** LANG 2061 OR LANG 2062 OR LANG 3060

### Elective(s)

**Minimum credit(s) required**

**SSCI/SBM** Biotechnology and Business Electives (Courses from the specified elective list, of which at least 3 credits from each area in Biotechnology / Business. Courses taken as Major Required Courses may not be counted towards this elective requirement.)

### Biotechnology

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Any LIFS courses at 3000/4000-level</td>
<td>LIFS Any LIFS courses at 3000/4000-level</td>
<td>Any LIFS courses at 3000/4000-level</td>
<td>3</td>
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<tr>
<td>Biomarkers and Medical Devices</td>
<td>BTEC 5340</td>
<td>Biomarkers and Medical Devices</td>
<td>3</td>
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<tr>
<td>Drug Discovery and Development</td>
<td>BTEC 5380</td>
<td>Drug Discovery and Development</td>
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<tr>
<td>Fundamental Organic Chemistry Laboratory</td>
<td>CHEM 2155</td>
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<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
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</tr>
<tr>
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<tr>
<td>CHEM 2311</td>
<td>Analytical Chemistry</td>
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<tr>
<td>CHEM 2355</td>
<td>Fundamental Analytical Chemistry Laboratory</td>
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<tr>
<td>Business</td>
<td>Any ECON/FINA/ISOM/MARK/MGMT courses at 3000/4000-level</td>
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</table>