## Biotechnology / Economics Program 2016 Outline

### Co-op

<table>
<thead>
<tr>
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<th>1A Fall</th>
<th>1B Winter</th>
<th>2A Fall</th>
<th>2B Spring</th>
<th>3A Winter</th>
<th>3B Fall</th>
<th>4A Fall</th>
<th>4B Winter</th>
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<tbody>
<tr>
<td>BIOL 130</td>
<td>BIOL 239</td>
<td>BIOL 309</td>
<td>BIOL 308</td>
<td>BIOL 331</td>
<td>BIOL 342</td>
<td>BIOL 443</td>
<td>BIOL 432</td>
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<tr>
<td>BIOL 240/240L</td>
<td>BIOL 241</td>
<td>CHEM 266/266L</td>
<td>BIOL Elective²</td>
<td>BIOL 361</td>
<td>CHEM Elective³</td>
<td>BIOL Elective⁴</td>
<td>BIOL Elective⁴</td>
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<tr>
<td>CHEM 120/120L</td>
<td>CHEM 123/123L</td>
<td>ECON 211</td>
<td>ECON 220</td>
<td>CHEM 237/237L</td>
<td>ECON 306</td>
<td>BIOL Elective⁴</td>
<td>BIOL Elective⁴</td>
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<tr>
<td>SCBUS 123</td>
<td>CS 100</td>
<td>ECON 221</td>
<td>ECON 290</td>
<td>ECON 323</td>
<td>ECON 371</td>
<td>ECON 393</td>
<td>ECON Elective⁵</td>
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<tr>
<td>Elective¹</td>
<td>ECON 101</td>
<td>SCBUS 223</td>
<td>ECON 322</td>
<td>ECON 391</td>
<td>SCBUS 323</td>
<td>SCBUS 423</td>
<td>ECON Elective⁶</td>
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</tbody>
</table>

¹ AFM 123 is recommended
² BIOL elective can by any 100-, 200-, 300- or 400-level BIOL
³ CHEM elective must be 200 level or higher Chemistry course
⁴ BIOL elective must be 300 level or higher Biology course
⁵ ECON elective must be 300 level or higher Economics course
⁶ ECON elective must be one of ECON 406, 407, 408 or 409
Biotechnology / Economics Program 2016 Outline

Successfully transforming research ideas to new productive processes and products requires knowledge not only of scientific principles but also of key economic concepts. As well as requiring familiarity with science policy, it necessitates forecasting the demand for new products or processes, assessing the market for new technologies, performing cost-benefit analyses of new projects and finding the financing for them. This plan is designed to give students a dual capability as scientists and economists and prepare them for careers as economic forecasters, business economists, government economists, scientific research managers, or regulatory analysts.

To remain eligible to continue in this Academic Plan, students must have a cumulative overall average of at least 70%, a cumulative average of 70% in Economics courses and a cumulative average of 65% in Science courses. In order to graduate in the Honours Biotechnology/Economics Academic Plan, the following requirements must be met:

1. Successful completion of 21.75 units. Of the 21.75 units required:
   o at least 20.5 units must be lecture units
   o 11.75 Science units
   o 7.0 Economics units

2. Completion of the English Language Proficiency Requirement.

3. For detailed co-op program requirements, please see the Co-operative Education and Career Action section of the undergraduate calendar as well as the Science department work term report guidelines.

* Recommended Biology electives: BIOL 345, BIOL 354, BIOL 431, BIOL 433, BIOL 434, BIOL 441, BIOL 442, BIOL 444, and BIOL 483.