

Biotechnology / Economics Program 2016 Outline

Co-op

1A Fall	1B Winter	2A Fall	2B Spring	3A Winter	3B Fall	4A Fall	4B Winter
BIOL 130	BIOL 239	BIOL 309	BIOL 308	BIOL 331	BIOL 342	BIOL 443	BIOL 432
BIOL 240/ 240L	BIOL 241	CHEM 266/ 266L	BIOL Elective ²	BIOL 361	CHEM Elective ³	BIOL Elective ⁴	BIOL Elective ⁴
CHEM 120/ 120L	CHEM 123/ 123L	ECON 211	ECON 220	CHEM 237/237L	ECON 306	BIOL Elective ⁴	BIOL Elective ⁴
SCBUS 123	CS 100	ECON 221	ECON 290	ECON 323	ECON 371	ECON 393	ECON Elective ⁵
Elective ¹	ECON 101	SCBUS 223	ECON 322	ECON 391	SCBUS 323	SCBUS 423	ECON Elective ⁶
	ECON 102						

¹ AFM 123 is recommended

² BIOL elective can be 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:*
 - *at least 20.5 units must be lecture units*
 - *11.75 Science units*
 - *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 at 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](#).