

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Honours Bachelor of Applied Technology -
Biotechnology

2018

BIO2 Curriculum Modification for 2019-20

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_appliedscienceandtech_honoursbachofappliedtech_biotech_documentation

CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Bachelor of Applied Technology – Biotechnology	
Program Number: BIO2	Date Submitted: 11/26/2018
Dean responsible for program: Vertha Coligan	Chair: Lindsay Engel
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input type="checkbox"/> Grad Certificate <input checked="" type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship	
Program Intakes: <input checked="" type="checkbox"/> F <input type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 2019/2020
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 2017
<i>I have read the reasons for the change and...</i>	<i>Signature and date</i>
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve Dec 13/18
Dean of Faculty (Affiliate program-impacted by change): <i>(Gen Ed.)</i>	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve Jan 14/19
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support
Office of the Registrar:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support Dec. 14/18
Notes: This change is to identify SFTY-7001 Occupational Health and Safety and ZOOL-7001 Animal Care and Handling as core courses (vs. non-core courses). This will ensure the required 80:20 ratio of core:non-core courses is met. <i>The general elective requirement from group 4 was removed upper level.</i> general electives are required for group 700	

refer to email now / 18 M. Richardson

Degree Audit Report

MATH-7004	Statistics & Quality Assurance	45.00	2.50
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Group 4

LEVEL 4 In addition to the following mandatory courses, please refer to the Non-Core Level 4 requirement below

		Total Hours	Total Credits
BIOL-7004	Genetics	60.00	3.00
PHYS-7003	Radiation Physics	75.00	4.00
MATH-7003	Mathematics 2	45.00	2.50
CHEM-7005	Organic Chemistry 1	60.00	3.00
COMP-7003	Advanced Computer Applications	45.00	3.00
SFTY-7001	Occupational Health & Safety	45.00	2.50

Group 5

LEVEL 5 In addition to the following mandatory courses please refer to the Non-Core Level 5 requirement below

		Total Hours	Total Credits
CHEM-7006	Biochemistry 1	75.00	5.00
CHEM-7007	Instrumental Chemistry Analysis 1	75.00	3.50
BIOL-7005	Microbiology 2- Industrial Applications	75.00	3.50
CHEM-7008	Organic Chemistry 2	60.00	3.00

Group 6

LEVEL 6 In addition to the following mandatory courses, please refer to the Non-Core Level 6 requirement below

		Total Hours	Total Credits
BIOL-7006	Applied Molecular Genetics	45.00	3.00
CHEM-7009	Instrumental Chemistry Analysis 2	75.00	3.50
PHRM-7002	Pharmacology/Toxicology & Nutraceutical	45.00	3.00
COMM-7005	Research & Technical Writing	30.00	2.00
CHEM-7001	Biochemistry 2	75.00	3.50
ZOOL-7001	Animal Care & Handling	30.00	2.00

Group 7

LEVEL 7 In addition to the following mandatory courses please refer to the Non-Core Level 7 requirement below

		Total Hours	Total Credits
CHEM-7010	Analytical Chemistry 2	60.00	2.50
BIOL-7007	Applied Biotechnology 1	60.00	3.50
BIOL-7008	Bioinformatics	45.00	2.00
ENGR-7001	Bioprocess Engineering	45.00	3.00
SFTY-7002	Biosafety & Regulatory Affairs	30.00	2.00
COMM-7006	Thesis	45.00	3.00

Group 8

LEVEL 8 In addition to the following mandatory courses, please refer to the Non-Core Level 8 requirement below

		Total Hours	Total Credits
BIOL-7009	Applied Biotechnology 2	75.00	3.50
BIOL-7010	Bioethics	45.00	3.00
BIOL-7011	Current Topics in Biotechnology	45.00	3.00

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ENGR-7002	Manufacturing Process Engineering	45.00	3.00
BIOL-7012	Microbiology 3-Immunology & Virology	60.00	3.00

Group 9

Co-op Requirement Students Must Complete 1 Co-op Work Term

COOP-BIO2W	BIO2 Co-op Work Term	Total Hours	Total Credits	GE
		1.00	1.00	

Subrequirement: Non-Core Courses

Take all of the following Mandatory (Non-Core) Courses: The Minimum Cumulative GPA for Non-Core courses is 2.0

Group 1

LEVEL 1

		Total Hours	Total Credits	GE
ENVR-7004	Environmental & World Issues	45.00	3.00	
COMM-7001	Introductory Communications	45.00	3.00	

Group 2

LEVEL 3

		Total Hours	Total Credits	GE
COMM-7020	Professional Writing for Applied Degrees	30.00	2.00	
HIST-7003	History & Philosophy of Sciences	45.00	3.00	

Group 3

LEVEL 4

		Total Hours	Total Credits	GE
SFTY-7001	Occupational Health & Safety	45.00	2.50	Core

Group 4

LEVEL 6

		Total Hours	Total Credits	GE
ZOOL-7001	Animal Care & Handling	30.00	2.00	Core

Group 5

LEVEL 8

		Total Hours	Total Credits	GE
ECON-7002	Macroeconomics	45.00	3.00	

~~Group 6~~

~~Gen Ed Electives Take 3 General Education Elective Credits at the Introductory Level from the following Subjects: Social Science, Math, Science Normally taken in Level 1~~

Group 7

Take 4 General Education Elective Credits at the Introductory or Upper Level (Non-Introductory) - Normally taken in Levels 2, 4, and 5

Group 8

Take 9 General Education Elective Credits at either the Introductory or Upper Level Normally taken in Levels 6, 7 and 8

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Subrequirement: Program Residency

Students Must Complete a Minimum of 39 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Linda M. Chae
Approved By Chair/Manager:

Approved by Dean:

General Education Approved By (as appropriate):

J. Mills

Jan 7/19

Department and Date:

Jan 10/19

Date:

JAN - 10 / 19

P. Chitt

Jan 14/19

EDM
Jan 29/19