

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Honours Bachelor of Applied Technology -
Biotechnology

2016

BIO1 Curriculum Modification for 2017-18

Fanshawe College

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

NO LONGER PROGRAM CODE

2622

Degree Audit Report

Catalog: 2017/2018

Program: BIO1

Name: Bachelor of Applied Technology - Biotechnology

Department: MAN - Applied Science and Technology

Academic Level: DG

CCD: 4 - 4 Year Degree-Applied & Collab

Credential: Degree

Grade Scheme: LG2

Major: BIO1 - Biotechnology

Div: MAN - Manufacturing Sciences Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 153.00

Residency Reqmt: 39.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: BIO1.17 Bachelor of Applied Technology - Biotechnology

Major: BIO1

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Core Courses

Take all of the following Mandatory (Core) Courses:

The Minimum Cumulative GPA for Core Courses is 2.5

Group 1

LEVEL 1

In addition to the following mandatory courses, please refer to the Non-Core Level 1 requirement below

CHEM-7002

Chemistry 1

Total Hours	Total Credits	GE	Course Level	Academic Level
75.00	4.00		INTRO	DG
60.00	3.00		INTRO	DG
45.00	3.00		INTRO	DG

BIOL-7002

Molecular Biology

MATH-7002

Mathematics 1

Group 2

LEVEL 2

In addition to the following mandatory courses, please refer to the Non-Core Level 2 requirement below

CHEM-7003

Chemistry 2

PHYS-7001

Physics 1

BIOL-7003

Plant & Animal Anatomy & Physiology

COMP-7002

Computers & Applications

Total Hours	Total Credits	GE	Course Level	Academic Level
75.00	4.00		INTRO	DG
60.00	3.50		INTRO	DG
75.00	4.00		INTRO	DG
45.00	2.00		INTRO	DG

NO LONGER RUNNING under BIO1

NO

Degree Audit Report

Group 3

LEVEL 3

In addition to the following mandatory courses
please refer to the Non-Core Level 3 requirement
below

		Total Hours	Total Credits	GE	Course Level	Academic Level
CHEM-7004	Analytical Chemistry 1	60.00	2.50		INTRO	DG
PHYS-7005	Physics 2	60.00	3.50		UNIV	DG
BIOL-7001	Microbiology 1	60.00	2.50		DEG	DG
COOP-1021	Co-Op Educ. Employment Prep	6.00	1.00		INTRO	DG
MATH-7004	Statistics & Quality Assurance	45.00	2.50		INTRO	DG

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	GE	Course Level	Academic Level
BIOL-7004	Genetics	60.00	3.00		INTRO	DG
PHYS-7003	Radiation Physics	75.00	4.00		INTRO	DG
MATH-7003	Mathematics 2	45.00	2.50		INTRO	DG
CHEM-7005	Organic Chemistry 1	60.00	3.00		INTRO	DG
COMP-7003	Advanced Computer Applications	45.00	3.00		ADV	DG

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	GE	Course Level	Academic Level
CHEM-7006	Biochemistry 1	75.00	5.00		INTRO	DG
CHEM-7007	Instrumental Chemistry Analysis 1	75.00	3.50		INTRO	DG
BIOL-7005	Microbiology 2- Industrial Applications	75.00	3.50		INTER	DG
CHEM-7008	Organic Chemistry 2	60.00	3.00		INTER	DG

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	GE	Course Level	Academic Level
BIOL-7006	Applied Molecular Genetics	45.00	3.00		ADV	DG
CHEM-7009	Instrumental Chemistry Analysis 2	75.00	3.50		INTER	DG
PHRM-7002	Pharmacology, toxicology & Nutraceutical	45.00	3.00		INTRO	DG
COMM-7005	Research & Technical Writing	30.00	2.00		ADV	DG
CHEM-7001	Biochemistry 2	75.00	3.50		DEG	DG

Degree Audit Report

LEVEL 7

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

		Total Hours	Total Credits	GE	Course Level	Academic Level
CHEM-7010	Analytical Chemistry 2	60.00	2.50		INTER	DG
BIOL-7007	Applied Biotechnology 1	60.00	3.50		INTRO	DG
BIOL-7008	Bioinformatics	45.00	2.00		INTRO	DG
ENGR-7001	Bioprocess Engineering	45.00	3.00		INTER	DG
SFTY-7002	Biosafety & Regulatory Affair	30.00	2.00		INTRO	DG
COMM-7006	Thesis	45.00	3.00		ADV	DG

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	GE	Course Level	Academic Level
BIOL-7009	Applied Biotechnology 2	75.00	3.50		ADV	DG
BIOL-7010	Bioethics	45.00	3.00		INTRO	DG
BIOL-7011	Current Topics in Biotechnology	45.00	3.00		ADV	DG
ENGR-7002	Manufacturing Process Engineering	45.00	3.00		INTRO	DG
BIOL-7012	Microbiology 3 (Immunology&Virology)	60.00	3.00		ADV	DG

Group 9

Co-op Requirement

Students Must Complete 1 Co-op Work Term

		Total Hours	Total Credits	GE	Course Level	Academic Level
COOP-BIO1W	BIO1 CO-op Work Term	1.00	1.00		INTRO	DG

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	Course Level	Academic Level
ENVR-7004	Environmental & World Issues	45.00	3.00		INTRO	DG
COMM-7001	Introductory Communications	45.00	3.00		DEG	DG

Group 2

LEVEL 3

		Total Hours	Total Credits	GE	Course Level	Academic Level
WRIT-7001	Report Writing	30.00	2.00		DEG	DG
HIST-7003	History & Philosophy of Sciences	45.00	3.00		INTRO	DG

Group 3

Degree Audit Report

		Total Hours	Total Credits	GE	Course Level	Academic Level
SFTY-7001	Occupational Health & Safety	45.00	2.50		INTRO	DG
Group 4 LEVEL 6						
		Total Hours	Total Credits	GE	Course Level	Academic Level
ZOOL-7001	Animal Care & Handling	30.00	2.00		INTRO	DG
Group 5 LEVEL 8						
		Total Hours	Total Credits	GE	Course Level	Academic Level
ECON-7002	Macroeconomics	45.00	3.00		ADV	DG

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 9 General Education Elective Credits at the 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

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



Approved By Chair/Manager:

DEC 6 / 2016

Department and Date:

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:

*TGS
DEC 10/16*