Plans of study for students who were admitted to a Biotechnology Plan after May 1, 2019

Biotechnology –Specialization (Science) – Bachelor of Science (Honours)

BTEC-P-BSH

Subject: Administered by the Department of Biology.

Plan: Consists of 90.0 units as described below.

Program: The Plan, with sufficient electives to total 120.0 units, will lead to a Bachelor of Science (Honours) Degree.

1. **Core**	(51.0 units)		
Core Program			
A.	6.0 units	in	BIOL 102/3.0 and BIOL 103/3.0
B.	6.0 units	in	BIOL 205/3.0 and BIOL 206/3.0
C.	3.0 units	in	BIOL 212/3.0
D.	6.0 units	from	BIOL 334/3.0; BIOL 339/3.0; BIOL 341/3.0
E.	6.0 units	in	BIOL 330/3.0 and BCHM 218/3.0
F.	3.0 units	from	BIOL 401/3.0; BIOL 402/3.0
G.	3.0 units	from	BIOL 403/3.0; BIOL 404/3.0
H.	3.0 units	from	BIOL 360/3.0; BIOL 441/3.0; BIOL 503/3.0; BIOL 507/3.0; BCHM 441/3.0
Other Core			
I.	6.0 units	In	CHEM 112/6.0
J.	6.0 units	from	MATH 121/6.0 or MATH 120/6.0 or (MATH 123/3.0 and MATH 124/3.0)
K.	3.0 units	from	BIOL 243/3.0 or STAT 269/3.0

2. **Option**	(39 units)		
A.	6.0 units	from	CHEM at the 200 level or above; BIOL 334/3.0
B.	12.0 units	from	BTEC_Biology
C.	3.0 units	from	Option List **2.C.*i.*** or **2.C.*ii.***

i. Biology Option (3.0 units)			
a.	3.0 units	from	BIOL 200/3.0; *BIOL 201/3.0; BIOL 202/3.0*
ii. Biomedical and Molecular Science Option (3.0 units)			
a.	3.0 units	from	BCHM 270/3.0; MICR 221/3.0; MICR 270/3.0; PHAR 270/3.0; PHGY 215/3.0; PHGY 216/3.0; *PHGY 210/6.0*; *PHGY 214/6.0*

D.	18.0 units	from	Option List **2.D.*i.*** or **2.D.*ii.***

i. Course Option (18.0 units)			
a.	18.0 units	from	BTEC_Biology; BTEC_Options
ii. Research Option (18.0 units)			

a.	12.0 units	from	BIOL 537/12.0; BIOL 541/12.0
b.	6.0 units	from	BTEC_Biology; BTEC_Options

3. **Supporting**			

4. **Additional Requirements**			

5**. Substitutions**	
A.	MATH 126/6.0 may be substituted for MATH 121/6.0 or MATH 120/6.0 with prior approval from the Chair of Undergraduate Studies in the Department of Biology.

6. **Notes**	
A.	Each of BIOL 334/3.0, BIOL 339/3.0, BIOL 341/3.0, BIOL 401/3.0, BIOL 402/3.0, BIOL 403/3.0, BIOL 404/3.0, BIOL 441/3.0, and BCHM 441/3.0 can be used as either a Core Course or an Option Course, but not both.
B.	This Plan may be combined with the Biotechnology Diploma Program offered by St. Lawrence College. Students taking the combined degree/diploma must choose the Research Option ***2.D.ii.*** For further details consult the Department of Biology.
C.	BIOL 538/3.0, BIOL 539/3.0 and BIOL 540/6.0 can be used towards elective requirements, but cannot be used towards Option Course requirements.
D.	CHEE courses at the 300 level and above require a course in differential equations such as BIOM 300/3.0 or MATH 225/3.0 or MATH 232/3.0 and permission of the Department.

Biotechnology Course Lists

The following lists contain courses offered through other Departments. In accordance with Academic Regulation **2.5** (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the September Open Enrolment Period, and then only if space permits.

BTEC_Biology

Biotechnology Biology Courses

BIOL 315/3.0; BIOL 331/3.0; BIOL 333/3.0; BIOL 334/3.0; BIOL 339/3.0; BIOL 341/3.0; BIOL 343/3.0; BIOL 360/3.0; BIOL 401/3.0; BIOL 402/3.0; BIOL 403/3.0; BIOL 404/3.0; BIOL 409/3.0; BIOL 430/3.0; BIOL 431/3.0; BIOL 432/3.0; BIOL 441/3.0; BIOL 501/3.0; BIOL 502/3.0; BIOL 503/3.0; BIOL 504/3.0; BIOL 505/3.0; BIOL 506/3.0; BIOL 507/3.0; BIOL 508/3.0

BTEC_Options

Biotechnology Option Courses

BCHM 315/3.0; BCHM 316/3.0; BCHM 410/3.0; BCHM 411/3.0; BCHM 432/3.0;
CHEE 229/3.0; CHEE 342/3.0; CHEE 380/3.0; CHEE 400/6.0; CHEE 405/3.0; CHEE 440/3.0; CHEE 450/3.0; CHEE 484/3.0;
DDHT 459/3.0; DDHT 460/3.0;
MICR 221/3.0; MICR 270/3.0; MICR 320/3.0; MICR 360/3.0; MICR 435/3.0; MICR 451/3.0; MICR455/6.0; MICR 461/3.0;
PHAR 270/3.0; PHAR 340/3.0; PHAR 416/3.0; PHAR 450/3.0