BIOLOGY – MINOR (SCIENCE)

BIOL-Z

Subject: Administered by the Department of Biology.
Plan: Consists of 48.00 units as described below.
Program: The Plan, in combination with a Major plan in another subject, and with sufficient electives, will lead to an Honours Bachelors Degree

Code	Title	Units
1. Core		
A. Complete the following:		
BIOL 102	Fundamentals of Biology: Molecular and Cell Biology	3.00
BIOL 103	Fundamentals of Biology: Organisms to Ecosystems	3.00
2. Option		
A. Complete 6.00 units from the following:		**6.00**
BIOL at the 300-level or above		
BIOL_Subs_A		
B. Complete 6.00 units from the following:		**6.00**
BIOL at the 300-level or above		
BIOL_Subs_A		
BIOL_Subs_B		
C. Complete 12.00 units from the following:		**12.00**
BIOL at the 200-level		
3. Supporting		
A. Complete the following:		
CHEM 112	General Chemistry	6.00
4. Additional Requirements		
A. Minimum of an additional 12.00 units in the physical and natural sciences or mathematics, from ASC_Science.		12.00
Total Units		**48.00**

5. Notes

A. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses offered by Smith Engineering.

Biology Course Lists

The following lists contain courses offered through other Departments. In accordance with Academic Regulation **2.6** (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 Open Enrolment period, and then only if space permits.

ASC_Science

Code	Title	Units
Natural and Physical Science Courses		
ANAT		
ARIN		
ASTR		
BCHM		
BIOL		
BMED 390; BMED 470; BMED 480		
CANC		
CHEE 209		
CHEM		
CISC		
COGS		
COMM 162		
COMP		
CRSS		
DDHT		
DISC		
ECON 250		
ENSC 201; ENSC 301; ENSC 307; ENSC 320; ENSC 407; ENSC 425; ENSC 480		
EPID		
GEOL		
GLPH 472		
GPHY_Physical Course List [1]		
GPHY_Tech/Methods Course List [1]		
HLTH 230; HLTH 331		
HSCI 270; HSCI 383; HSCI 483		
KNPE 125; KNPE 153; KNPE 225; KNPE 227; KNPE 251; KNPE 254; KNPE 255; KNPE 261; KNPE 327; KNPE 339; KNPE 354; KNPE 355; KNPE 356; KNPE 425; KNPE 429; KNPE 439; KNPE 447; KNPE 450; KNPE 453; KNPE 454; KNPE 455; KNPE 459; KNPE 493		
LISC		
MATH		
MICR		
NSCI		
NURS 323; NURS 324		
PATH		
PHAR		

PHGY		
PHYS		
POLS 285		
PSYC 100; PSYC 101; PSYC 102; PSYC 103; PSYC 202; PSYC 203; PSYC 221; PSYC 271; PSYC 299; PSYC 301; PSYC 302; PSYC 325; PSYC 338; PSYC 450		
PSYC_Cognitive_Neuroscience Course List [1]		
REPD		
SOCY 210; SOCY 211		
STAM		
STAT		

[1] The GPHY and PSYC Course Lists noted here may be found in the Departments/Schools and Degree Plans section of this *Calendar*.

BIOL_Subs_A

Code	Title	Units
Biology Substitutions List A		
ANAT at the 300-level and above		
BCHM at the 300-level and above		
MICR 221	Fundamental Microbiology	3.00
MICR 271	Introduction to Microbiology	3.00
MICR at the 300-level and above		
LISC at the 300-level and above		
PATH at the 300-level and above		
PHGY at the 300-level and above		

BIOL_Subs_B

Code	Title	Units
Biology Substitutions List B		
APSC 400	Technology, Engineering & Management (TEAM) [1]	7.00
CHEE 400	Technology, Engineering & Management (TEAM) [1]	7.00
CHEM at the 200-level and above		
ENSC 301	Environmental Assessment	3.00
ENSC 307	Marine Environmental Issues	3.00
ENSC 320	Wildlife Issues in a Changing World	3.00
ENSC 390	Sustainability	3.00
ENSC 425	Ecotoxicology	3.00
EPID 301	Principles of Epidemiology	3.00
GEOL 337	Paleontology	3.00
GEOL 466	Isotopes and the Environment	3.00
GPHY 304	Northern and Arctic Environments	3.00
GPHY 310	Landscape Ecology	3.00
GPHY 314	Climate Change	3.00
GPHY 315	Advanced Field Measurements and Their Analysis	3.00
GPHY 318	Advanced Biogeography	3.00
PHAR 340	Principles of General Pharmacology I	3.00
PHIL 301	Bioethics	3.00
PSYC 236	Introduction to Clinical Psychology	3.00
PSYC 271	Brain and Behaviour I	3.00
PSYC 370	Brain and Behaviour II	3.00
PSYC 470	Advanced Topics in Behavioural Neuroscience	3.00
STAT 353	Probability II	3.00

[1] Note that the unit weighting system in Smith Engineering differs from that in the Faculty of Arts and Science. Therefore, upon acceptance of any course from Smith Engineering, the unit weighting towards Arts and Science degree requirements shall be at the discretion of the Associate Dean (Academic). Usually, a one-term course shall count as 3.00 units and a two-term course as 6.00 units.