

BSc QUANTITATIVE BIOLOGY OPTION as of Fall 2018

MAJOR (73 credits)

*HONOURS OPTION 79 credits (in Italics)*

STUDENT NUMBER ..... Email.....

SCIENCE ADVISOR ..... DATES.....

**REQUIRED COURSES: 43 credits****Bio-Physical Science Core 31 credits**

Dept	Course No.	Credits	Year Taken	Grade
BIOL	219 Physical Biology of the Cell	4	F	
BIOL	301 Cell and Molecular Laboratory <b>permit req'd</b>	4	F/W	
BIOL	395 Seminar 1	1	F	
CHEM	212 Organic 1 (or sub complementary)	4/3	F/W/S	
COMP	204 or 250 Prog Lifesci/Foundations	3	F/W	
MATH	222 Cal 3—co-req for BIOL 219 Fall U1/or sub comp	3	F/W/S	
MATH	223 or 247 Linear/Hons Linear	3	F/W	
MATH	315 or 325 ODEs/Hons ODEs	3	F/W	
MATH	323 or 356 Probability/Hons Prob	3	F/W/S	
MATH	324 or 357 Statistics/Hons Stats	3	F/W	

\*Students encouraged to take MATH 150/151 in Freshman year

*Honours students take at least 6 credits Math and/or PHYS at Honours level***Biology (6 credits)**

BIOL	202 Basic Genetics	3	W/S	
BIOL	215 Intro to Ecol/Evol	3	F	

**Physics (6 credits)**

PHYS	230 or 251 Dynamics/Hons Classical	3	F	
PHYS	232 or 253 Heat&Waves/Thermal	3	W/F	

**Honours Research component 6 Credits**

BIOL	468 Independent Research Project 3	6	F/W/S	
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**STREAM COMPLEMENTARY COURSES: 21 Credits****21 credits Theoretical Ecol & Evol Biology Stream**

15 credits: 12 cr Required Courses+ \*one field course

Dept	Course No.	Credits	Year taken	Grade
BIOL	205 Org	3	W	
BIOL	206 OrgLab	3	F	
BIOL	304 Evol	3	F	
BIOL	308 EcolDyn	3	F	
BIOL*	FC	3		

\*240, 331, 334, 432

6 crs Complementary Biology Courses at 400+ level

Dept	Course No.	Credits	Year taken	Grade
BIOL		3		
BIOL		3		

BIOL 432, 434, 435, 465, 509, 510, 515, 540, 594

**OR 21 credits Physical Biology Stream**

15 Credits: 9 cr Required Courses+ 6 cr 300-level BIOL

Dept	Course No.	Credits	Yr taken	Grade
BIOL	319 BioPhy	3	W	
PHYS	329 StatPhy	3	W	
PHYS	346 MajQua	3	F	
BIOL*	3__	3	F/W	
BIOL*	3__	3	F/W	

\*300, 303, 306, 309, 313

6 Crs Complementary Biology Courses at 500 level

Dept	Course No.	Credits	Yr taken	Grade
BIOL*				
BIOL*				

\*BIOL 518, 520, 524, 530, 551, 588

**9 Credits Additional Comps both streams**

Dept	Course No.	Credits	Year Taken	Grade