# 3+2 BACHELOR OF SCIENCE / MASTER OF SCIENCE in BIOLOGY: Molecular Biology Option and Thesis Track

Molecular Biology Option and Thesi		
Cr.	Fall Year 1	Cr
4	BIOLOGY.114 Concepts in Biology I	4
4	CHEM.115 Chemistry for the Sciences I	4
3	MATH.123 Essentials of Calculus	3
3	ENGLISH.101 Found Writing	3
1	BIOLOGY.105 BAHS Fresh Semin	2
15	Total Semester Credits	16
Cr.	Fall Year 2	Cr
4	BIOLOGY.242 Microbiology	4
4	CHEM.230 Fund of Organic Chemistry	3
3	Foreign Language 101	3
3	Social Sciences GE	3
		3
14	Total Semester Credits	16
Cr.	Fall Year 3	Cr
3	BIOLOGY.333 Molecular Biology	3
1	BIOLOGY.334 Molecular Biology Laboratory	· 4
4	PHYSICS.201 Introductory Physics 1	4
3	BIOLOGY.290 Writing in Biology	3
3	Cultures and Diversity GE	1
14	Total Semester Credits	15
Cr.	Fall Year 4	Cr
3	BIOLOGY Graduate Elective	3
3	BIOLOGY Graduate Elective	1
3	Social Sciences GE	3
3	Communication GE	3
3	Free Elective	3
15	Total Semester Credits	2 15
Cr.	Fall Year 5	Cr
3	BIOLOGY Graduate Elective	3
3	BIOLOGY Graduate Elective	3
3	BIOLOGY.593 Master Science Thesis	3

9 Total Semester Credits

#### Cr. Spring Year 1

- 4 BIOLOGY.115 Concepts in Biology II
- 4 CHEM.116 Chemistry for the Sciences II
- 3 MATH.141 Introduction to Statistics
- 3 Information Literacy GE Course
- 2 Healthy Living GE
- 16 Total Semester Credits

### Spring Year 2

- 4 BIOLOGY.271 Cell Biology
- 3 Foreign Language 102 GE
- 3 Cultures and Diversity GE
- 3 Arts and Humanities GE
- 3 Citizenship GE
- 16 Total Semester Credits

## Spring Year 3

- 3 BIOLOGY.332 Genetics
- 4 PHYSICS.202 Introductory Physics 2
- 4 CHEM.341 Biochemistry
- 3 Arts and Humanities GE
- 1 Free Elective
- 15 Total Semester Credits Eligibility for Grad. Classes (>90)
  - Spring Year 4
- 3 BIOLOGY Physiology Req
- 1 BIOLOGY.479 Integrated Physiology Lab
- 3 BIOLOGY Graduate Elective
- 3 MATH.546 Biostatistics
- 3 Free Elective
- 2 Free Elective
- 15 Total Semester Credits
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#### Spring Year 5

- 3 BIOLOGY Graduate Elective
- 3 BIOLOGY Graduate Elective
- 3 BIOLOGY.593 Master Science Thesis
- 9 Total Semester Credits

Total Credits 138