

# Joint Advanced Major in Physics and Biology

## Science A: Physics (42 credits)

PHYS 121	PHYS 122
PHYS 221	PHYS 242
PHYS 201	PHYS 241
PHYS 322	PHYS 325
PHYS 344	PHYS 343
CSCI 161 or ENGR 147	PHYS Elective
PHYS Elective	PHYS Elective

## Science B: Biology (36 credits)

BIOL 111	BIOL 112
BIOL *	BIOL *

## Science C: Mathematics (18 credits)

MATH 106 or MATH 126	MATH 107 or MATH 127
MATH 367 or MATH 221	MATH 267 or MATH 222
MATH 253	MATH 254

## Other courses

Arts Electives: 18 credits.

Other required courses: CHEM 120 (or CHEM 100)

Remarks:

- In their fourth year, students have to attend the physics seminar PHYS 491 (no credits).
- BIOL \* must include 12 credits from BIOL 201, 202, 203, 204, 315, as well as 18 credits from BIOL courses, of which at least 12 credits are from the 300- or 400-level.
- Overall average of 65% or better in each of the first two years.
- Grades of 65 or better in each course of Science A and B during the first two years.
- Overall average of 70% or better in each of the final two years.
- Average of 70% or better in each of Science A and B in each of the final two years.
- 12 credits of arts electives must be from Arts X and 6 credits from Arts Y, where Arts X and Y are each from a single (but different) discipline of humanities or social sciences.

Approved: July 9, 2018 by Galway and Marzlin

# Joint Advanced Major in Biology and Physics

## Science A: Biology (42 credits)

BIOL 111 BIOL 112  
BIOL \* BIOL \*  
BIOL \* BIOL \*

## Science B: Physics (36 credits)

PHYS 121 PHYS 122  
PHYS 221 PHYS 242  
PHYS 201 PHYS 241  
PHYS 325 PHYS \*  
PHYS \* PHYS \*  
PHYS \* PHYS \*

## Science C: Mathematics (9 credits)

MATH 106 or MATH 126 MATH 107 or MATH 127  
MATH 367 or MATH 221

## Other courses

Approved Electives: 3 credits.

Open Electives: 6 credits

Arts Electives: 18 credits.

Other required courses: CHEM 120 (or CHEM 100)

Remarks:

- In their third and fourth year, students have to attend the biology seminar BIOL 391 and BIOL 491 (no credits).
- BIOL \* must include 12 credits from BIOL 201, 202, 203, 204, 315, and at least 12 credits from the 300- or 400-level. At least three credits must be from the 400-level (other than BIOL 499).
- PHYS \* must include at least 6 credits of PHYS courses at the 300- or 400-level.
- Overall average of 65% or better in each of the first two years.
- Grades of 65 or better in each course of Science A and B during the first two years.
- Overall average of 70% or better in each of the final two years.
- Average of 70% or better in each of Science A and B in each of the final two years.
- 12 credits of arts electives must be from Arts X and 6 credits from Arts Y, where Arts X and Y are each from a single (but different) discipline of humanities or social sciences.

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