

## Biology/Physics Interdisciplinary Major

Revised March 31, 2006

Name \_\_\_\_\_

Class of \_\_\_\_\_

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### CORE COURSES (18 courses) *See catalogue for detailed specifications.*

Composition (1) \_\_\_\_\_  
English (2) \_\_\_\_\_  
Fine Arts (1) \_\_\_\_\_  
History (2) \_\_\_\_\_  
Philosophy (2) \_\_\_\_\_  
Ethics (1) \_\_\_\_\_  
Language (2) \_\_\_\_\_  
Theology (2) \_\_\_\_\_  
Social Science (2) \_\_\_\_\_  
Math. Sci. (1) See below.  
Nat. Sci. (2) See below.

*In addition to the core curriculum outlined above, all students must complete the Loyola College diversity requirement.*

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### BIOLOGY AND PHYSICS FOUNDATION COURSES (5 courses)

|                                               |            |            |
|-----------------------------------------------|------------|------------|
| Intro to Cellular and Molecular Biology + lab | BL118_____ | BL119_____ |
| Organismal Biology + lab                      | BL121_____ | BL126_____ |
| Ecology, Evolution and Biodiversity + lab     | BL201_____ | BL202_____ |
| General Physics I + lab                       | PH201_____ | PH291_____ |
| General Physics II + lab                      | PH202_____ | PH292_____ |

(Intro Physics I, II (PH101, 102, 191, 192) can count in lieu of PH 201, 202, 291, 292 with special permission of Physics Chair.)

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### NATURAL SCIENCE AND MATH COURSES (7 courses)

|                            |            |            |
|----------------------------|------------|------------|
| General Chemistry I + lab  | CH101_____ | CH105_____ |
| General Chemistry II + lab | CH102_____ | CH106_____ |
| Organic Chemistry I + lab  | CH301_____ | CH307_____ |
| Organic Chemistry II + lab | CH302_____ | CH307_____ |
| Calculus I                 | MA251_____ |            |
| Calculus II                | MA252_____ |            |
| Calculus III               | MA351_____ |            |

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**UPPER LEVEL COURSES IN EITHER BIOLOGY OR PHYSICS (2 courses)**

BL200+ or PH 300+ elective (List course \_\_\_\_\_)  
BL200+ or PH 300+ elective (List course \_\_\_\_\_)

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**UPPER LEVEL BIOLOGY COURSES (3 courses + 2 labs min)**

BL 200+ elective plus lab (List course & lab \_\_\_\_\_)  
BL 300+ elective plus lab (List course & lab \_\_\_\_\_)  
BL 300+ elective (List course \_\_\_\_\_)

\*BL 434, 341/342 and 431/433 are recommended electives.

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**UPPER LEVEL PHYSICS COURSES (4 courses + 2 cr lab min)**

Mathematical Methods in Physics PH307 \_\_\_\_\_  
Thermodynamics PH317 \_\_\_\_\_  
Modern Physics PH312 \_\_\_\_\_  
PH 300+ elective (List course \_\_\_\_\_)  
PH lab (PH 293/294 or PH 397) (List course \_\_\_\_\_)

\*PH 316, 415 and 417 are recommended electives.

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**ELECTIVES (4 courses)**

Restricted electives (*cannot be BL or PH courses*)

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

Free electives

1) \_\_\_\_\_

Recommended electives: MA304 (Diff. Eq.), CS 201, CS Bioinformatics (if offered)

Recommended free elective: PH or BL Research

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**MINOR REQUIREMENTS (if any) \_\_\_\_\_**

1) \_\_\_\_\_

5) \_\_\_\_\_

2) \_\_\_\_\_

6) \_\_\_\_\_

3) \_\_\_\_\_

7) \_\_\_\_\_

4) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_