

# Organismal Biology — Integrative Biology Option (IBIO)

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## Freshman

Fall	Hours	Spring	Hours
<b>BIOL 1020 Principles of Biology</b>		<b>3 BIOL 1030 Organismal Biology</b>	<b>3</b>
<b>BIOL 1021 Principles of Biology Laboratory</b>		<b>1 BIOL 1031 Organismal Biology Laboratory</b>	<b>1</b>
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
CHEM 1030 Fundamentals Chemistry I		3 Core History	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1040 Fundamental Chemistry II	3
MATH 1610 Calculus I		4 CHEM 1041 Fundamental Chemistry II Laboratory	1
	<b>15</b>		<b>14</b>

## Sophomore

Fall	Hours	Spring	Hours
CHEM 2070 Organic Chemistry I		3 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chemistry I Laboratory		1 CHEM 2081 Organic Chemistry II Laboratory	1
Core Social Science <sup>2</sup>		3 Core History Or Literature <sup>1</sup>	3
Core Literature		3 <b>BIOL 3030 Evolution and Systematics</b>	<b>3</b>
<b>BIOL 3060 Ecology</b>		<b>4 BIOL 3000 Genetics</b>	<b>3</b>
BIOL 2100 Professional Development		1 <b>BIOL 3001 Genetics Laboratory</b>	<b>1</b>
	<b>15</b>		<b>14</b>

## Junior

Fall	Hours	Spring	Hours
PHYS 1500 General Physics I		4 PHYS 1510 General Physics II	4
BCHE 5180 Biochemistry I		3 BCHE 5190 Biochemistry II	3
BCHE 5181 Biochemistry I Laboratory		1 BCHE 5191 Biochemistry II Laboratory	1
Core Social Science <sup>2</sup>		3 Core Humanities	3
<b>BIOL 3100, 3200/3201, 4010, or 4020</b>		4 Core Social Science or Humanities	3
		<b>BIOL 4100 Cell Biology</b>	<b>3</b>
	<b>15</b>		<b>17</b>

## Senior

Fall	Hours	Spring	Hours
Core Fine Arts		3 <b>Physiology Elective</b>	<b>4</b>
<b>Eco/Evo/Diversity Electives</b>		<b>6 Cell/Mol/Micro Electives</b>	<b>7</b>
<b>Cell/Mol/Micro Electives</b>		<b>4 BIOL 4950 Senior Seminar</b>	<b>1</b>
<b>Biology Elective<sup>4</sup></b>		<b>3 Biology Elective<sup>4</sup></b>	<b>4</b>
BIOL 4AA0 Professional Development II		0 UNIV 4AA0 Achieve the Creed <sup>5</sup>	0
	<b>16</b>		<b>16</b>

**Total Hours: 122**

- 1 Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the *Bulletin*.
- 2 Students who choose a HIST sequence other than HIST 1010 and HIST 1020 should talk to an advisor about CORE SOC SCI choices.
- 3 If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.
- 4 Any BIOL course listed on the Organismal Biology electives list may be used as a Biology elective.
- 5 This course must be taken the semester of graduation.