

# Organismal Biology (IBIO) — Pre-Physical Therapy (TIBO), Pre-Physician Assistant (AIBO)

The Integrative Biology option with the Organismal Biology major provides students with a broad perspective on biological sciences. Introductory courses cover concepts in biology and chemistry and lay a strong foundation for more specialized, upper-level coursework that spans the field of biology, including ecology, evolution, physiology, cell biology and microbiology. This flexible major can be fulfilled through a long list of elective courses and is designed to serve students interested in a broad range of careers related to biology, including basic research as well as applications in biotechnology, agriculture, and the environment. This major has been tailored to meet the requirements for students interested in pursuing careers in healthcare including physical therapy and physician assistants.

## Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
CHEM 1030 Fundamentals Chemistry I <sup>1</sup>		3 CHEM 1041 Fundamental Chemistry II Laboratory	1
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1040 Fundamental Chemistry II	3
<b>BIOL 1020 Principles of Biology</b>		<b>3 CORE HISTORY II</b>	3
<b>BIOL 1021 Principles of Biology Laboratory</b>		<b>1 MATH 1610 Calculus I</b>	4
SCMH 1890 Pre-Health Professions Orientation		1	
CORE HISTORY I		3	
	<b>15</b>		<b>14</b>

## Sophomore

Fall	Hours	Spring	Hours
CHEM 2070 Organic Chemistry I <sup>3</sup>		3 <b>BIOL 3000 Genetics</b>	3
CHEM 2071 Organic Chemistry I Laboratory		1 <b>BIOL 3001 General Genetics Laboratory</b>	1
CORE LITERATURE		3 PSYC 2010 Introduction to Psychology	3
<b>BIOL 1030 Organismal Biology</b>		<b>3 CORE SOCIAL SCIENCE<sup>2</sup></b>	3
<b>BIOL 1031 Organismal Biology Laboratory</b>		<b>1 PHYS 1500 General Physics I</b>	4
COMM 1000 Public Speaking		3	
	<b>14</b>		<b>14</b>

## Junior

Fall	Hours	Spring	Hours
<b>BIOL 2500 Human Anatomy and Physiology I</b>		<b>3 BIOL 2510 Human Anatomy and Physiology II</b>	3
<b>BIOL 2501 Human Anatomy and Physiology I Laboratory</b>		<b>1 BIOL 2511 Human Anatomy and Physiology II Laboratory</b>	1
STAT 2510 Statistics for Biological and Health Sciences		3 Psychology Elective	3
<b>BIOL 3200 General Microbiology</b>		<b>3 PHIL 1030 Ethics and the Health Sciences</b>	3
<b>BIOL 3201 General Microbiology Laboratory</b>		<b>1 IBIO Elective</b>	3
PSYC 3120 Developmental Psychology		3 HADM 2100 Medical Terminology <b>or</b> KINE 3000 Medical Terminology for Allied Health Professions	3
CORE FINE ARTS		3	
	<b>17</b>		<b>16</b>

**Senior**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
<b>IBIO Elective</b>		<b>9 BIOL 5600 Biomedical Physiology</b>	<b>5</b>
Elective		<b>5 IBIO Elective</b>	<b>9</b>
		Elective	2
		<b>14</b>	<b>16</b>
<b>Total Hours: 120</b>			

Long range schedules for COSAM courses are online at <http://aub.ie/cosamlrs>

Courses in BOLD will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin ([www.auburn.edu/bulletin](http://www.auburn.edu/bulletin)) under Core Curriculum.

Students must complete all requirements for that major prior to graduation.

Students planning a Physics major should consult with the pre-health advisor.

<sup>1</sup> The Chemistry CHEM 1110/CHEM 1111-CHEM 1120/CHEM 1121 sequence can substitute for CHEM 1030/CHEM 1031-CHEM 1040/CHEM 1041. See advisor for details.

<sup>2</sup> Students who have AP or transfer credit for US History should see an advisor for CORE SOC SCI choices.

<sup>3</sup> Students planning a major in Biomedical Sciences should take CHEM 2080/81 as their professional elective in their sophomore or junior year.