INTEGRATIVE PHYSIOLOGY

Suggested 4-Year Plans
http://www.colorado.edu/iphy/

These plans should only be used as a general guide.
Individual course choice depends on previous academic preparation and success.

GRADUATING IN FOUR YEARS
To maintain adequate progress in IPHY, students should meet the following requirements:

• By the first semester, declare the major.
• Before the beginning of the fifth semester, complete the general biology and chemistry requirements.
• By the end of the sixth semester, complete the anatomy and physiology requirements.

OPTION #1

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Biology with lab (4 credits)</td>
<td>Biology with lab (4 credits)</td>
</tr>
<tr>
<td></td>
<td>*IPHY 1020: Intro to IPHY (1 credit)</td>
<td>CHEM 1113/1114: Gen Chem (5 credits)</td>
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<td></td>
<td></td>
<td>*IPHY 2400: Medical Terminology (2 credits)</td>
</tr>
<tr>
<td>2</td>
<td>CHEM 1133/1124: Gen Chem 2 (5 credits)</td>
<td>IPHY 3280: Intro. to Statistics (4 credits)</td>
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<tr>
<td></td>
<td>IPHY 3410: Human Anatomy (3 credits)</td>
<td>IPHY 3430: Human Physiology (4 credits)</td>
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<tr>
<td></td>
<td>*IPHY 3415: Human Anatomy Lab (2 credits)</td>
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<tr>
<td>3</td>
<td>IPHY 3435: Physiology Lab (2 credits)</td>
<td>PHYS 2010: General Physics 1 (5 credits)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>**IPHY Core Course #1 (3-5 credits)</td>
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<tr>
<td>4</td>
<td>**IPHY Core Course #2 (3-5 credits)</td>
<td>**IPHY Core Course #3 (3-5 credits)</td>
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<td></td>
<td>**IPHY Core Course #3 (3-5 credits)</td>
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</tbody>
</table>

OPTION #2 with additional calculus, chemistry, and physics (often required for pre-health programs)

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Biology with lab (4 credits)</td>
<td>Biology with lab (4 credits)</td>
</tr>
<tr>
<td></td>
<td>Calculus (MATH 1300-5 credits, MATH 1310-5 credits or APPM 1350-4 credits)</td>
<td>CHEM 1113/1114: Gen Chem (5 credits)</td>
</tr>
<tr>
<td></td>
<td>*IPHY 1020: Intro to IPHY (1 credit)</td>
<td>*IPHY 2400: Medical Terminology (2 credits)</td>
</tr>
<tr>
<td>2</td>
<td>CHEM 1133/1124: Gen Chem 2 (5 credits)</td>
<td>CHEM 3311/3322: Organic Chem 1 (5 credits)</td>
</tr>
<tr>
<td></td>
<td>IPHY 3410: Human Anatomy (3 credits)</td>
<td>IPHY 3280: Intro. to Statistics (4 credits)</td>
</tr>
<tr>
<td></td>
<td>*IPHY 3415: Human Anatomy Lab (2 credits)</td>
<td>IPHY 3430: Human Physiology (4 credits)</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 3331/3341: Organic Chem 2 (5 credits)</td>
<td>CHEM 4611: Survey of Biochemistry (3 credits)</td>
</tr>
<tr>
<td></td>
<td>IPHY 3435: Physiology Lab (2 credits)</td>
<td>PHYS 2010: General Physics 1 (5 credits)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>**IPHY Core Course #1 (3-5 credits)</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 2020: General Physics 2 (5 credits)</td>
<td>**IPHY Core Course #3 (3-5 credits)</td>
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<tr>
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<td>**IPHY Core Course #2 (3-5 credits)</td>
<td>**IPHY Core Course #4 (3-5 credits)</td>
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</table>

*Recommended, not required
**See IPHY roadmap on next page for course selection and pre-requisites

CHECK YOUR DEGREE PROGRESS
A degree audit report is a tool on MyCUInfo (https://myCUinfo.colorado.edu) that tracks degree requirements. We recommend reviewing an up-to-date degree audit every semester to help yourself stay on track toward graduation.

Updated Fall 2022
Ancillary Courses (C- or better required)

General Biology 1
(Check with advisor on availability)
EBIO 1210 or MCDB 1150

Intro. to IPC: PHY 1020-1
(recommended)
Offered fall only

Intro. to Chemistry: CHEM 1021
(Recommended)
Offered fall only

General Biology 2
(Recommended)
EBIO 1210 or MCDB 1150

General Biology Lab
(Various options)

Intro. to IPC: PHY 1020-1
(recommended)
Offered fall only

General Chemistry 1
CHEM 1113/1114
Offered fall, spring, and summer

Commissioned Courses & Prerequisites
(C- or better required)

Human Anatomy:
PHY 3410-3
Offered fall, spring, and summer
Pre-req: EBIO 1210 or MCDB 1150

Anatomy Lab:
PHY 3415-2 (Recommend)
Offered fall, spring, and summer* Co-req: PHY 3410

Human Physiology:
PHY 3430-4
Offered fall, spring, and summer
Pre-req: PHY 3410
Co-req: CHEM 1133/1134

Statistics
Offered fall, spring, and summer*
PHY 3280 (recommended), PSYC 2111,
MATH 2510, EBIO 1010, or SOCY 2061

Additional courses may be needed to reach 30 hours of IPC.
See your academic advisor to develop an individualized plan to complete the major.

IPH Core Courses & Prerequisites (15 hours of courses, C- or better required)

Immunology: PHY 4600-3
Offered fall, spring, and summer*
Pre-req: PHY 3430
Course component: Lecture

Sleep Physiology: PHY 4580-3
Offered fall and spring
Pre-req: PHY 3430
Course component: Lecture

Biomechanics: PHY 4540-5
Offered fall and spring
Pre-req: PHY 3430 and PHYS 1110 or 2010
Course components: Lecture, recitation, and lab

Cell Physiology: PHY 4060-4
Offered fall only
Pre-req: PHY 3430 and PHY 3435
Course components: Lecture and lab

Endocrinology: PHY 4440-4
Offered fall, spring, and summer
Pre-req: PHY 3430 and PHY 3435
Course components: Lecture and recitation

Neurophysiology: PHY 4720-4
Offered fall, spring, and summer*
Pre-req: PHY 3430 and PHY 3435
Course components: Lecture and lab

Exercise Physiology: PHY 4650-5
Offered fall and spring
Pre-req: PHY 3430 and PHY 3435
Course components: Lecture, recitation, and lab

*Summer course availability is subject to change.