



# Bachelor of Science - IPHY Major Requirements

## First Year Biology + Ancillaries

First-Year Biology Sequence:

EBIO 1210 + 1230 and  
EBIO 1220 + 1240

OR

MCDB 1150, 2150, and  
2 cr. Lab (1161 or 1171)

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General Chemistry 1 + Lab:  
CHEM 1113 + 1114

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General Chemistry 2 + Lab:  
CHEM 1133 + 1134

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Statistics: choose from  
IPHY 3280\*, MATH 2510\*,  
PSYC 2111\*, SOCY 2061, or  
EBIO 1010

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Physics: choose from PHYS  
2010 (algebra-based) or  
PHYS 1110 (calculus-based)

## IPHY Courses

Human Anatomy: IPHY 3410

*Pre-requisite: EBIO 1210 or  
MCDB 1150*

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Human Physiology: IPHY 3430

*Pre-requisite: IPHY 3410  
Pre- or Co-requisite: CHEM 1133 + 1134*

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Human Physiology Lab: IPHY  
3435

*Pre-requisite: Statistics*

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Complete one of the following:

Human Anatomy Lab: IPHY 3415

*Pre- or Co-requisite: IPHY 3410  
OR*

Medical Terminology: IPHY 2400

*\*Statistics classes  
recommended for pre-health*

## IPHY Core Courses

Students must complete 15+ credits of Core courses,  
grade of C- or higher

Sleep Physiology: IPHY  
4580 - 3cr (Lecture)

*Pre-requisites: IPHY 3430  
and Statistics*

Endocrinology: IPHY  
4440 - 4cr (Lecture  
and Recitation)

*Pre-requisites: IPHY 3430  
and IPHY 3435*

Neurophysiology:  
IPHY 4720 - 4cr  
(Lecture and Lab)  
*Pre-requisites: IPHY 3430  
and IPHY 3435*

Biomechanics: IPHY  
4540 - 5cr (Lecture,  
Lab, and Recitation)  
*Pre-requisites: IPHY 3430,  
Statistics, and PHYS 2010  
or 1110*

Immunology: IPHY  
4600 - 3cr (Lecture)

*Pre-requisite: IPHY 3430*

Pathophysiology: IPHY  
4300- 3cr (Lecture)

*Pre-requisite: IPHY 3430*

Cell Physiology:  
IPHY 4060 - 4cr  
(Lecture and Lab)

*Pre-requisites: IPHY 3430  
and IPHY 3435*

Exercise Physiology:  
IPHY 4650- 5cr (Lecture,  
Lab, and Recitation)

*Pre-requisites: IPHY 3430  
and IPHY 3435*

Additional IPHY electives may be needed to reach 32 IPHY credit hour requirement. Please consult  
with your advisor to develop an individualized plan to complete the major.