

# Health-Related Concentrations

## Pre-Health Related Concentrations

Professional schools in health-related fields have very specific admission requirements. Students interested in these areas should begin planning their undergraduate curriculum as early as possible.

Any student who is interested in pursuing a career in one of these areas should contact the chair of the Pre-professional Advisory Committee, or another science division faculty member, upon matriculation at Lyon. While some health profession programs do not require a student to complete a bachelor's degree in order to apply, it is generally recommended that the student do so because of the competitive edge provided by a completed liberal arts education.

## Health-Related Concentrations Degrees

### Pre-Dental Concentration

#### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

#### Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Dental Concentration prepares students to take the Dental Admission Test (DAT), and meet the requirements for dental school admission. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements for the University of Tennessee Health Science Center – Memphis. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health professions concentration may be declared.

#### NOTE

**\*Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, SPN 101, and SPN 102 to satisfy Core requirements.**

### Summary of Required Courses

| Item #  | Title                         | Credits |
|---------|-------------------------------|---------|
|         | BIO 110 & 112                 | 8       |
| BIO 250 | Cell Biology                  | 4       |
|         | BIO 356 OR CHM 356            | 4       |
| CHM 110 | General Chemistry I           | 4       |
| CHM 120 | General Chemistry II          | 4       |
| CHM 210 | Organic Chemistry I           | 4       |
| CHM 220 | Organic Chemistry II          | 4       |
|         | Physics Electives (4 credits) | 4       |

## Recommended Courses

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| BIO 205 | Biomedical Terminology    | 1       |
| BIO 252 | Genetics                  | 4       |
| BIO 310 | Health Coaching           | 1       |
| BIO 311 | Health Coaching Practicum | 1       |
| BIO 360 | Comparative Physiology    | 4       |
| SPN 101 | Beginning Spanish I       | 3       |
| SPN 102 | Beginning Spanish II      | 3       |

## BIO 110 & 112

| Item #  | Title                    | Credits |
|---------|--------------------------|---------|
| BIO 110 | Principles of Biology I  | 4       |
| BIO 112 | Principles of Biology II | 4       |

## BIO 356 OR CHM 356

| Item #  | Title        | Credits |
|---------|--------------|---------|
| BIO 356 | Biochemistry | 4       |
| CHM 356 | Biochemistry | 4       |

## Physics Electives (4 credits)

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

| Item #  | Title                                | Credits |
|---------|--------------------------------------|---------|
| PHY 210 | General Physics I                    | 3       |
| PHY 211 | General Physics I Laboratory         | 1       |
| PHY 240 | Fundamentals of Physics I            | 3       |
| PHY 241 | Fundamentals of Physics I Laboratory | 1       |

## Pre-Medical Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Medical Concentration prepares students to take the Medical College Admission Test (MCAT), and meet the admissions requirements for medical school. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements of the University of Arkansas for Medical Sciences. Other schools may have additional requirements. Lyon College proficiency and common core

courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

**NOTE**

**\*Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, PSY 235, SPN 101, and SPN 102 to satisfy Core requirements.**

**Summary of Requirements**

| <b>Item #</b> | <b>Title</b>                                    | <b>Credits</b> |
|---------------|---|----------------|
| BIO 110       | Principles of Biology I                         | 4              |
| BIO 112       | Principles of Biology II                        | 4              |
| BIO 250       | Cell Biology                                    | 4              |
| BIO 252       | Genetics  | 4              |
|               | BIO 356 OR CHM 356                              | 4              |
| CHM 110       | General Chemistry I                             | 4              |
| CHM 120       | General Chemistry II                            | 4              |
| CHM 210       | Organic Chemistry I                             | 4              |
| CHM 220       | Organic Chemistry II                            | 4              |
|               | Physics Electives (4 credits)                   | 4              |
|               | Social Science/Humanities Electives (2 Courses) | 6              |
|               | Stats Electives (3 Credits)                     | 3              |

**Recommended Courses**

| <b>Item #</b> | <b>Title</b>              | <b>Credits</b> |
|---------------|---------------------------|----------------|
| BIO 205       | Biomedical Terminology    | 1              |
| BIO 310       | Health Coaching           | 1              |
| BIO 311       | Health Coaching Practicum | 1              |
| BIO 352       | Molecular Biology         | 4              |
| BIO 360       | Comparative Physiology    | 4              |
| BIO 366       | Histology                 | 4              |
| SPN 101       | Beginning Spanish I       | 3              |
| SPN 102       | Beginning Spanish II      | 3              |

**BIO 356 OR CHM 356**

| <b>Item #</b> | <b>Title</b> | <b>Credits</b> |
|---------------|--------------|----------------|
| BIO 356       | Biochemistry | 4              |
| CHM 356       | Biochemistry | 4              |

**Physics Electives (4 credits)**

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

| Item #  | Title                                | Credits |
|---------|--------------------------------------|---------|
| PHY 210 | General Physics I                    | 3       |
| PHY 211 | General Physics I Laboratory         | 1       |
| PHY 240 | Fundamentals of Physics I            | 3       |
| PHY 241 | Fundamentals of Physics I Laboratory | 1       |

## Social Science/Humanities Electives (2 Courses)

ANT, ECO, PSY, RPH

## Stats Electives (3 Credits)

| Item #  | Title                                  | Credits |
|---------|--|---------|
| PSY 235 | Statistics for the Behavioral Sciences | 3       |
| MTH 360 | Probability and Statistics             | 3       |

## Pre-Occupational Therapy Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professors: Eric South

### Psychology:

Associate Professor: Jennifer Daniels

The Pre-Occupational Therapy Concentration prepares students to take the Graduate Record Exam (GRE), and meet the admissions requirements for occupational therapy school. The concentration may be added to any major, but usually is coupled with the Biology Major or Psychology Major. This curriculum is based upon the requirements for most doctoral-level Arkansas Occupational Therapy schools. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

### NOTES

**\* Students may use ANT 101, PSY 101, PSY 235, BIO 110, CHM 105/CHM 110, and PHY 210/PHY 211, PHY 240/241, SPN 101, and SPN 102 to satisfy core requirements.**

**\* The BIO 110, CHM 110, and PHY 210 courses vary based on specific graduate program requirements.**

## Summary of Requirements

| Item #  | Title                                 | Credits |
|---------|---------------------------------------|---------|
| ANT 101 | Introduction to Cultural Anthropology | 3       |
| BIO 110 | Principles of Biology I               | 4       |
| BIO 205 | Biomedical Terminology                | 1       |
| BIO 260 | Human Anatomy and Physiology I        | 4       |
| BIO 262 | Human Anatomy and Physiology II       | 4       |
|         | PHY 210/211 or PHY 240/241            | 4       |
| PSY 101 | Introduction to Psychology            | 3       |
| PSY 290 | Human Development                     | 3       |
| PSY 335 | Abnormal Psychology                   | 3       |
|         | Stats Electives (3 Credits)           | 3       |

## Recommended Courses

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| BIO 310 | Health Coaching           | 1       |
| BIO 311 | Health Coaching Practicum | 1       |
|         | CHM 105 or CHM 110        | 4       |
| EXS 302 | Kinesiology               | 3       |
| PSY 318 | Biological Psychology     | 3       |
| SPN 101 | Beginning Spanish I       | 3       |
| SPN 102 | Beginning Spanish II      | 3       |

## PHY 210/211 or PHY 240/241

Select either General Physics I or Fundamentals of Physics I.

| Item #  | Title                                | Credits |
|---------|--------------------------------------|---------|
| PHY 210 | General Physics I                    | 3       |
| PHY 211 | General Physics I Laboratory         | 1       |
| PHY 240 | Fundamentals of Physics I            | 3       |
| PHY 241 | Fundamentals of Physics I Laboratory | 1       |

## Stats Electives (3 Credits)

| Item #  | Title                                  | Credits |
|---------|--|---------|
| PSY 235 | Statistics for the Behavioral Sciences | 3       |
| MTH 360 | Probability and Statistics             | 3       |

## CHM 105 or CHM 110

| Item #  | Title                       | Credits |
|---------|-----------------------------|---------|
| CHM 105 | Introduction to Chemistry * | 4       |
| CHM 110 | General Chemistry I         | 4       |

## Pre-Optometry Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

### Physics:

Associate Professor: Stuart Hutton

The Pre-Optometry Concentration prepares students to take the Optometry Admission Test (OAT), and meet the admissions requirements for optometry school. The concentration may be added to any major, but usually is coupled with the Biology Major or the Chemistry Major. This curriculum is based on the requirements of Southern College of Optometry. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

### NOTES

**\* Students may use BIO 110, CHM 110, MTH 210, PHY 210/211, PHY 240/241, PSY 101, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.**

**\* Molecular biology may be substituted for BIO 356 Biochemistry.**

### Summary of Requirements

| Item #  | Title   | Credits |
|---------|---|---------|
| BIO 110 | Principles of Biology I                         | 4       |
| BIO 112 | Principles of Biology II                        | 4       |
| BIO 250 | Cell Biology                                    | 4       |
| BIO 352 | Molecular Biology                               | 4       |
| CHM 110 | General Chemistry I                             | 4       |
| CHM 120 | General Chemistry II                            | 4       |
| CHM 210 | Organic Chemistry I                             | 4       |
| MTH 210 | Calculus I                                      | 4       |
| PSY 101 | Introduction to Psychology                      | 3       |
|         | Stats Electives (3 Credits)                     | 3       |
|         | Social Science/Humanities Electives (6 Credits) | 6       |
|         | Physics Electives (4 credits)                   | 4       |

## Recommended Courses

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| BIO 205 | Biomedical Terminology    | 1       |
| BIO 310 | Health Coaching           | 1       |
| BIO 311 | Health Coaching Practicum | 1       |
| BIO 360 | Comparative Physiology    | 4       |
| CHM 220 | Organic Chemistry II      | 4       |
| SPN 101 | Beginning Spanish I       | 3       |
| SPN 102 | Beginning Spanish II      | 3       |

## Stats Electives (3 Credits)

| Item #  | Title                                  | Credits |
|---------|--|---------|
| PSY 235 | Statistics for the Behavioral Sciences | 3       |
| MTH 360 | Probability and Statistics             | 3       |

## Social Science/Humanities Electives (6 Credits)

ANT, ECO, HIS, POL, RPH, PSY (beyond PSY 101)

## Physics Electives (4 credits)

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

| Item #  | Title                                | Credits |
|---------|--------------------------------------|---------|
| PHY 210 | General Physics I                    | 3       |
| PHY 211 | General Physics I Laboratory         | 1       |
| PHY 240 | Fundamentals of Physics I            | 3       |
| PHY 241 | Fundamentals of Physics I Laboratory | 1       |

## Pre-Pharmacy Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Pharmacy Concentration prepares students to take the Pharmacy College Admission Test (PCAT), and meet the admissions requirements for pharmacy school. The concentration may be added to any major, but usually is coupled with the Biology Major or the Chemistry Major. This curriculum is based upon the requirements of the University of Arkansas for Medical Sciences. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

## NOTES

\* Students may use BIO 110, CHM 110, MTH 210, PHY 210/211, PHY 240/241, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.

### Summary of Requirements

| Item #  | Title  | Credits |
|---------|--|---------|
|         | Accounting or Economics Elective (3 Credits) | 3       |
| BIO 110 | Principles of Biology I                      | 4       |
| BIO 112 | Principles of Biology II                     | 4       |
| BIO 250 | Cell Biology                                 | 4       |
| CHM 110 | General Chemistry I                          | 4       |
| CHM 120 | General Chemistry II                         | 4       |
| MTH 210 | Calculus I                                   | 4       |
| CHM 210 | Organic Chemistry I                          | 4       |
| CHM 220 | Organic Chemistry II                         | 4       |
|         | PHY 210/211 or PHY 240/241                   | 4       |
|         | Math/Science Electives (10-12 Credits)       | 10-12   |
|         | Non-Science Electives (4 Courses)            | 12      |
|         | Stats Electives (3 Credits)                  | 3       |

### Recommended Courses

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| BIO 205 | Biomedical Terminology    | 1       |
| BIO 310 | Health Coaching           | 1       |
| BIO 311 | Health Coaching Practicum | 1       |
| BIO 360 | Comparative Physiology    | 4       |
| SPN 101 | Beginning Spanish I       | 3       |
| SPN 102 | Beginning Spanish II      | 3       |
|         | BIO 356 OR CHM 356        | 4       |

### Accounting or Economics Elective (3 Credits)

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| ACC 210 | Financial Accounting      | 3       |
| ECO 101 | Principles of Economics I | 3       |

### PHY 210/211 or PHY 240/241

Select either General Physics I or Fundamentals of Physics I.

| Item #  | Title                                | Credits |
|---------|--------------------------------------|---------|
| PHY 210 | General Physics I                    | 3       |
| PHY 211 | General Physics I Laboratory         | 1       |
| PHY 240 | Fundamentals of Physics I            | 3       |
| PHY 241 | Fundamentals of Physics I Laboratory | 1       |



## Math/Science Electives (10-12 Credits)

BIO252, BIO 356, BIO 360; CHM 224, CHM 356; MTH 220; PHY 220/221

## Non-Science Electives (4 Courses)

ANT, ART, ECO, ENG, FGN, HIS, MUS, POL, RPH, PSY, THE

## Stats Electives (3 Credits)

| <b>Item #</b> | <b>Title</b>                           | <b>Credits</b> |
|---------------|--|----------------|
| PSY 235       | Statistics for the Behavioral Sciences | 3              |
| MTH 360       | Probability and Statistics             | 3              |

## BIO 356 OR CHM 356

| <b>Item #</b> | <b>Title</b> | <b>Credits</b> |
|---------------|--------------|----------------|
| BIO 356       | Biochemistry | 4              |
| CHM 356       | Biochemistry | 4              |

## Pre-Physical Therapy Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

### Exercise Science:

Assistant Professors: Allyn Byars and Mayron Faria de Oliveira

The Pre-Physical Therapy Concentration prepares students to take the Graduate Record Exam (GRE), and meet the admissions requirements for physical therapy school. The concentration may be added to any major, but usually is coupled with the Biology Major or Psychology Major. This curriculum is based on the requirements of the University of Central Arkansas. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

## NOTES

**\* Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, PSY 101, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.**

## Summary of Requirements

| <b>Item #</b> | <b>Title</b>                    | <b>Credits</b> |
|---------------|---------------------------------|----------------|
| BIO 110       | Principles of Biology I         | 4              |
| BIO 205       | Biomedical Terminology          | 1              |
| BIO 260       | Human Anatomy and Physiology I  | 4              |
| BIO 262       | Human Anatomy and Physiology II | 4              |
|               | Biology Electives (8 Credits)   | 8              |
| CHM 110       | General Chemistry I             | 4              |
| CHM 120       | General Chemistry II            | 4              |
|               | Physics Electives (4 credits)   | 4              |
| PSY 101       | Introduction to Psychology      | 3              |
|               | Stats Electives (3 Credits)     | 3              |

## Recommended Courses

| <b>Item #</b> | <b>Title</b>              | <b>Credits</b> |
|---------------|---------------------------|----------------|
| BIO 310       | Health Coaching           | 1              |
| BIO 311       | Health Coaching Practicum | 1              |
| SPN 101       | Beginning Spanish I       | 3              |
| SPN 102       | Beginning Spanish II      | 3              |

## Biology Electives (8 Credits)

Biology Electives (2 courses): BIO 112, BIO 250, BIO 252, BIO 330, BIO 350, BIO 352, BIO 356, BIO 360, BIO 364, BIO 366

## Physics Electives (4 credits)

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

| <b>Item #</b> | <b>Title</b>                         | <b>Credits</b> |
|---------------|--------------------------------------|----------------|
| PHY 210       | General Physics I                    | 3              |
| PHY 211       | General Physics I Laboratory         | 1              |
| PHY 240       | Fundamentals of Physics I            | 3              |
| PHY 241       | Fundamentals of Physics I Laboratory | 1              |

## Stats Electives (3 Credits)

| <b>Item #</b> | <b>Title</b>                           | <b>Credits</b> |
|---------------|--|----------------|
| PSY 235       | Statistics for the Behavioral Sciences | 3              |
| MTH 360       | Probability and Statistics             | 3              |

## Pre-Physician Assistant Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Physician Assistant Concentration prepares students to take the Graduate Record Exam (GRE), and meet the admissions requirements for physician assistant school. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements for the University of Arkansas for Medical Sciences. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health professions concentration may be declared.

### NOTES

**\* Students may use BIO 110, CHM 110, PSY 101, PSY 235, SPN 101, and SPN 102 to satisfy core requirements.**

### Summary of Requirements

| <b>Item #</b> | <b>Title</b>                    | <b>Credits</b> |
|---------------|---------------------------------|----------------|
| BIO 110       | Principles of Biology I         | 4              |
| BIO 112       | Principles of Biology II        | 4              |
| BIO 250       | Cell Biology                    | 4              |
| BIO 252       | Genetics                        | 4              |
| BIO 260       | Human Anatomy and Physiology I  | 4              |
| BIO 262       | Human Anatomy and Physiology II | 4              |
| CHM 110       | General Chemistry I             | 4              |
| CHM 120       | General Chemistry II            | 4              |
| CHM 210       | Organic Chemistry I             | 4              |
| PSY 101       | Introduction to Psychology      | 3              |
|               | Stats Electives (3 Credits)     | 3              |

## Recommended Courses

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| BIO 205 | Biomedical Terminology    | 1       |
| BIO 310 | Health Coaching           | 1       |
| BIO 311 | Health Coaching Practicum | 1       |
|         | BIO 356 OR CHM 356        | 4       |
| BIO 360 | Comparative Physiology    | 4       |
| BIO 366 | Histology                 | 4       |
| CHM 220 | Organic Chemistry II      | 4       |
| ENG 103 | Oral Presentation         | 3       |
| PSY 318 | Biological Psychology     | 3       |
| SPN 101 | Beginning Spanish I       | 3       |
| SPN 102 | Beginning Spanish II      | 3       |

## Stats Electives (3 Credits)

| Item #  | Title                                  | Credits |
|---------|--|---------|
| PSY 235 | Statistics for the Behavioral Sciences | 3       |
| MTH 360 | Probability and Statistics             | 3       |

## BIO 356 OR CHM 356

| Item #  | Title        | Credits |
|---------|--------------|---------|
| BIO 356 | Biochemistry | 4       |
| CHM 356 | Biochemistry | 4       |

## Pre-Veterinary Concentration

### Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

### Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Veterinary Concentration prepares students to take the Veterinary College Admission Test (VCAT) and/or Graduate Record Exam (GRE), and meet the admissions requirements for veterinary school. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements for Louisiana State University and Kansas State University. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

## NOTES

**\*Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.**

## Summary of Required Courses

| <b>Item #</b> | <b>Title</b>                  | <b>Credits</b> |
|---------------|-------------------------------|----------------|
|               | BIO 110 & 112                 | 8              |
| BIO 250       | Cell Biology                  | 4              |
| BIO 252       | Genetics                      | 4              |
|               | BIO 356 OR CHM 356            | 4              |
| CHM 110       | General Chemistry I           | 4              |
| CHM 120       | General Chemistry II          | 4              |
| CHM 210       | Organic Chemistry I           | 4              |
| CHM 220       | Organic Chemistry II          | 4              |
| ENG 103       | Oral Presentation             | 3              |
|               | Math (Beyond MTH 101)         | 3              |
|               | Physics Electives (4 credits) | 4              |
|               | Stats Electives (3 Credits)   | 3              |

## Recommended Courses

| <b>Item #</b> | <b>Title</b>           | <b>Credits</b> |
|---------------|------------------------|----------------|
| BIO 205       | Biomedical Terminology | 1              |
| BIO 352       | Molecular Biology      | 4              |
| BIO 360       | Comparative Physiology | 4              |
| BIO 366       | Histology              | 4              |
| BIO 370       | Evolution              | 4              |
| SPN 101       | Beginning Spanish I    | 3              |
| SPN 102       | Beginning Spanish II   | 3              |

## BIO 110 & 112

| <b>Item #</b> | <b>Title</b>             | <b>Credits</b> |
|---------------|--------------------------|----------------|
| BIO 110       | Principles of Biology I  | 4              |
| BIO 112       | Principles of Biology II | 4              |

## BIO 356 OR CHM 356

| <b>Item #</b> | <b>Title</b> | <b>Credits</b> |
|---------------|--------------|----------------|
| BIO 356       | Biochemistry | 4              |
| CHM 356       | Biochemistry | 4              |

## Math (Beyond MTH 101)

One MTH elective beyond MTH 101

## Physics Electives (4 credits)

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

| <b>Item #</b> | <b>Title</b>                         | <b>Credits</b> |
|---------------|--------------------------------------|----------------|
| PHY 210       | General Physics I                    | 3              |
| PHY 211       | General Physics I Laboratory         | 1              |
| PHY 240       | Fundamentals of Physics I            | 3              |
| PHY 241       | Fundamentals of Physics I Laboratory | 1              |

## Stats Electives (3 Credits)

| <b>Item #</b> | <b>Title</b>                           | <b>Credits</b> |
|---------------|--|----------------|
| PSY 235       | Statistics for the Behavioral Sciences | 3              |
| MTH 360       | Probability and Statistics             | 3              |