

# PRE PHYSICAL THERAPY CONCENTRATION, EXERCISE SCIENCE (BS)

## Major Requirements

### Course Requirements

**Exercise Science Core: 52 quarter hours required, grade of C- or better required**

| Course                | Title   | Quarter Hours |
|-----------------------|---|---------------|
| SCU 337<br>or PSY 303 | HUMAN GROWTH AND DEVELOPMENT<br>HUMAN DEVELOPMENT                 | 4             |
| KNES 311              | MOTOR DEVELOPMENT THROUGHOUT<br>THE LIFE SPAN                     | 4             |
| KNES 206              | PERSONAL AND COMMUNITY HEALTH                                     | 4             |
| KNES 273              | HEALTH AND NUTRITION  | 4             |
| KNES 303              | ATHLETIC INJURIES   | 4             |
| KNES 341              | HISTORICAL AND PHILOSOPHICAL<br>FOUNDATIONS OF PHYSICAL EDUCATION | 4             |
| KNES 351              | KINESIOLOGY   | 4             |
| KNES 352              | PHYSIOLOGY OF EXERCISE  | 4             |
| KNES 362              | FITNESS TESTING, ASSESSMENT AND<br>PRESCRIPTION                   | 4             |
| KNES 374              | ADAPTED PHYSICAL EDUCATION  | 4             |
| KNES 390              | PSYCHO-SOCIAL ASPECTS OF EXERCISE<br>AND SPORT                    | 4             |
| KNES 393              | THERAPEUTIC EXERCISE  | 4             |
| KNES 394              | SPORT AND EXERCISE NUTRITION                                      | 4             |

**Physical Education Activity Core: 8 quarter hours required, grade of C- or better required**

| Course   | Title                     | Quarter Hours |
|----------|---------------------------|---------------|
| KNES 160 | AEROBIC CONDITIONING      | 2             |
| KNES 166 | BEGINNING WEIGHT TRAINING | 2             |
| KNES 171 | FITNESS AND CONDITIONING  | 2             |
| KNES 121 | SWIMMING                  | 2             |

**Biology, Chemistry, Psychology and Physics Courses: 44 quarter hours are required**

| Course   | Title  | Quarter Hours |
|----------|--|---------------|
| BIO 191  | GENERAL BIOLOGY I FOR SCIENCE<br>MAJORS      | 4             |
| BIO 192  | GENERAL BIOLOGY II FOR SCIENCE<br>MAJORS     | 4             |
| BIO 193  | GENERAL BIOLOGY III FOR SCIENCE<br>MAJORS    | 4             |
| HLTH 301 | INTEGRATED HUMAN ANATOMY AND<br>PHYSIOLOGY-A | 4             |
| HLTH 302 | INTEGRATED HUMAN ANATOMY AND<br>PHYSIOLOGY-B | 4             |

|                      |  |   |
|----------------------|--|---|
| CHE 132<br>& CHE 133 | GENERAL CHEMISTRY II<br>and GENERAL CHEMISTRY LABORATORY<br>II   | 4 |
| CHE 134<br>& CHE 135 | GENERAL CHEMISTRY III<br>and GENERAL CHEMISTRY LABORATORY<br>III | 4 |
| PHY 151              | GENERAL PHYSICS II   | 4 |
| PHY 152              | GENERAL PHYSICS III  | 4 |
| PSY 240              | STATISTICS I   | 4 |
| PSY 353              | INTRODUCTION TO PSYCHOPATHOLOGY<br>AND CLINICAL SCIENCE          | 4 |

### Internship Requirement

Consult with Physical Education faculty members for procedures for the internship. The internship experience is done at the very end of the program and requires all coursework for the major and liberal studies to be completed.

**Internship: 10 quarter hours required, grade of B- or better required**

Registration in student teaching requires completion of all requirements and procedures above. All students also take KNES 387 with the internship (listed in the Liberal Studies section). A grade of B- or better is required.

| Course   | Title                          | Quarter Hours |
|----------|--------------------------------|---------------|
| KNES 380 | INTERNSHIP IN EXERCISE SCIENCE | 10            |