# DOCTOR IN PHYSICAL THERAPY/B.S. IN EXERCISE SCIENCE

## Doctor of Physical Therapy/ B.S. in Exercise Science

| | | |
|---|---|---|
| **General Education** | | |
| CH 181 & CX 181 | Chemistry I and Chemistry Lab I | 4 |
| EH 105 | College Writing | 3 |
| HE 111 | The Husson Experience *** | 1 |
| MS 132 | Probability and Statistics | 3 |
| MS 180 | Precalculus with Trigonometry | 4 |
| or MS 181 | Calculus with Applications | |
| or MS 182 | Calculus II | |
| PH 100 | Introduction to Philosophy | 3 |
| or PH 110 | Introduction to Ethics | |
| PT 431 | Psychosocial Aspects of Physical Therapy | 3 |
| PY 111 | General Psychology | 3 |
| Fine Arts Elective | | 3 |
| Foreign Culture & Language Elective | | 3 |
| Historical Elective | | 3 |
| Humanities Elective | | 3 |
| Literature Elective^ | | 3 |
| Perspectives Elective | | 3 |
| **Major Requirements** | | |
| BY 191 & BL 191 | General Biology I and General Biology Lab I | 4 |
| BY 221 & BL 221 | Anatomy and Physiology I and Anat/Physiology Lab I | 4 |
| BY 222 & BL 222 | Anatomy and Physiology II and Anatomy/Physiology Lab II | 4 |
| BY 291 | Cell Biology | 3 |
| CH 182 & CX 182 | Chemistry II and Chemistry Lab II | 4 |
| EH 360 | Writing in the Health Professions | 3 |
| EX 106 | Introduction to Exercise Science | 3 |
| EX 330 | Exercise Physiology | 3 |
| EX 340 | Anatomical Basis of Kinesiology | 3 |
| EX 353 | Principles of Strength and Cardiovascular Conditioning | 3 |
| EX 356 | Nutrition for Health and Exercise Performance | 3 |
| EX 360 | Biomechanics & Kinesiology in Human Performance | 3 |
| EX 401 | Exercise Testing and Interpretation | 3 |
| EX 402 | Exercise Training for Health and Performance | 3 |
| EX 403 | Prevention and Management of Chronic Disease | 3 |
| SC 224 | Research Design | 3 |
| SC 271 & SL 271 | Physics I and Physics Lab I | 4 |
| SM 407 | Psychology of Sport | 3 |
| **Physical Therapy Courses** | | |
| PT 400 | Clinical Edu I | 4 |
| PT 402 | Therapeutic Exercise I | 1 |
| PT 410 | Gross Anatomy | 4 |
| PT 411 | Kinesiology & Biomechanics | 3 |
| PT 412 | Motor Control & Learning | 3 |
| PT 413 | Therapeutic Skills | 4 |
| PT 414 | Biophysical Agents | 3 |
| PT 419 | Development Across the Lifespan | 3 |
| PT 440 | Medical Imaging I | .5 |
| PT 450 | Neurophysiology | 3 |
| PT 500 | Clinical Edu II | 8 |
| PT 503 | Therapeutic Exercise II | 1 |
| PT 506 | Musculoskeletal I | 4 |
| PT 507 | Musculoskeletal II | 4 |
| PT 508 | Musculoskeletal III | 4 |
| PT 509 | Evidence Based Practice | 3 |
| PT 510 | Neuromuscular I | 4 |
| PT 511 | Professional Development I: Research | 2 |
| or PT 512 | Professional Development I: Teaching and Learning | |
| PT 522 | Professional Development II: Research | 2 |
| or PT 524 | Professional Development II: Teaching and Learning | |
| PT 528 | Ethical/Legal/Management Issues in Physical Therapy | 2 |
| PT 540 | Medical Imaging II | .5 |
| PT 551 | Clinical Education III Part I | 4 |
| PT 560 | Cardiovascular and Pulmonary Physical Therapy | 3 |
| PT 561 | Pathophysiology | 3 |
| PT 562 | Management of the Medically Complex Patient | 2 |
| PT 590 | Special Topics in Rehabilitation | 3 |
| PT 599 | Advanced Physical Therapy Elective | 2 |
| PT 600 | Clinical Edu III | 4 |
| PT 605 | Advanced Anatomy | 1 |
| PT 608 | PT Management of Children with Neurologic Dysfunction | 3 |
| PT 609 | Management of the Integumentary System | 2 |
| PT 610 | Neuromuscular II | 4 |
| PT 611 | Professional Development III: Research | 2 |
| or PT 613 | Professional Development III: Teaching and Learning | |
| PT 618 | Health and Wellness | 3 |
| PT 620 | Primary Health Care | 2 |
| PT 625 | Prosthetics in Rehabilitation | 2 |
| PT 630 | Professional Identity Formation | 2 |
| PT 642 | Pharmacology and Rehabilitation | 1 |
| PT 650 | Patient Care Seminar I | 2 |
| PT 661 | Exercise for Special Populations | 3 |
| PT 664 | Geriatrics | 2 |
| **Total Hours** | | **214** |

Suggested Course Sequence

**First Year**

| Fall | Hours | Spring | Hours |
|---|---|---|---|
| BY 191 & BL 191 | 4 | CH 181 & CX 181 | 4 |
| EH 105 | 3 | MS 132 | 3 |
| EX 106 | 3 | PY 111 | 3 |
| HE 111*** | 1 | Humanities Elective | 3 |
| MS 180, 181, or 182 | 4 | Perspectives Elective | 3 |
| | **15** | | **16** |

**Second Year**

| Fall | Hours | Spring | Hours |
|---|---|---|---|
| BY 221 & BL 221 | 4 | BY 222 & BL 222 | 4 |
| CH 182 & CX 182 | 4 | BY 291 | 3 |
| EH 360 | 3 | PH 100 or 110 | 3 |
| SM 407 | 3 | SC 224 | 3 |
| Fine Arts Elective | 3 | Historical Elective | 3 |
| | **17** | | **16** |

**Third Year**

| Fall | Hours | Spring | Hours | Summer | Hours |
|---|---|---|---|---|---|
| EX 340 | 3 | EX 330 | 3 | PT 410 | 4 |
| EX 356 | 3 | EX 353 | 3 | | |
| EX 401 | 3 | EX 360 | 3 | | |
| SC 271 & SL 271 | 4 | EX 402 | 3 | | |
| Foreign Culture & Conversation Elective | 3 | EX 403 | 3 | | |
| | | Literature Elective^ | 3 | | |
| | **16** | | **18** | | **4** |

**Fourth Year**

| Fall | Hours | Spring | Hours | Summer | Hours |
|---|---|---|---|---|---|
| PT 411 | 3 | PT 402 | 1 | PT 400 | 4 |
| PT 413 | 4 | PT 412 | 3 | PT 642 | 1 |
| PT 414 | 3 | PT 419 | 3 | | |
| PT 431 | 3 | PT 440 | .5 | | |
| PT 509 | 3 | PT 450 | 3 | | |
| PT 561 | 3 | PT 506 | 4 | | |
| | | PT 528 | 2 | | |
| | | PT 618 | 3 | | |
| | **19** | | **19.5** | | **5** |

**Fifth Year**

| Fall | Hours | Spring | Hours | Summer | Hours |
|---|---|---|---|---|---|
| PT 503 | 1 | PT 508 | 4 | PT 608 | 3 |
| PT 507 | 4 | PT 522 or 524 | 2 | PT 625 | 2 |
| PT 510 | 4 | PT 562 | 2 | | |
| PT 511 or 512 | 2 | PT 590 | 3 | | |
| PT 540 | .5 | PT 610 | 4 | | |
| PT 560 | 3 | PT 630 | 2 | | |
| PT 609 | 2 | PT 664 | 2 | | |
| | **16.5** | | **19** | | **5** |

**Sixth Year**

| Fall | Hours | Spring | Hours |
|---|---|---|---|
| PT 500 | 8 | PT 599 | 2 |
| PT 551 (Winter Term) | 4 | PT 600 | 4 |
| | | PT 605 | 1 |
| | | PT 611 or 613 | 2 |
| | | PT 620 | 2 |
| | | PT 650 | 2 |
| | | PT 661 | 3 |
| | **12** | | **16** |

**Total Hours: 214**

***May not be required for degree completion.