Exercise Science (Physical Therapy), Bachelor Science

**Program Overview**

This program leads to a profession which requires an occupational license as defined under Texas Occupations Code 58.001. This requires that all applicants seeking to become licensed must undergo a criminal background check prior to licensure.

The Department of Health and Human Performance has a focus on preparing Exercise Science majors to function professionally in a changing and diverse society, and to improve the quality of life through the understanding, delivering and promotion of health, physical activity, and wellness.

**Specific graduation requirements for this program beyond the university bachelor’s degree requirements.**

* Graduation with a grade of ‘B’ or better in BIOL 2401 and BIOL 2402.
* Grade of ‘C’ or better in all advanced KINE coursework fulfilling major requirements for the BS in Exercise Science.

**CORE CURRICULUM**

The core curriculum serves a broad foundation for the undergraduate degree. All candidates for a bachelor’s must achieve core student learning outcomes, including communication, critical thinking, empirical and quantitative skills, teamwork, personal responsibility and social responsibility, by completing courses with each category or component area of the Core Curriculum as outlined below.

The University has approved specific courses that satisfy Core Curriculum Requirements. Approved courses can be found on the Core Curriculum page. Students seeking the most efficient way to complete the core curriculum and major or minor requirements are advised to take approved courses that can fulfill both requirements. Although core curriculum courses can also be used to fulfill major or minor requirements, earned credits hours are only applied once.

The courses listed below fulfill core curriculum and major requirements. Students who have completed a core curriculum category with courses other than those listed below will still be required to take the listed course(s) to meet major requirements.

**020 Mathematics**

Choose one:

MATH 1342 Elementary Statistical Methods

MATH 1343 Introduction to Biostatistics

**030 Life and Physical Sciences**

BIOL 2401 Anatomy and Physiology I

BIOL 2402 Anatomy and Physiology II

*BIOL 2401 and BIOL 2402 are given three hour credits for the lecture component.*

**080 Social & Behavioral Sciences**

PSYC 2301 General Psychology

**090 Integrative & Experiential Learning**

BIOL 2401 Anatomy and Physiology I

BIOL 2402 Anatomy and Physiology II

*BIOL 2401 and BIOL 2402 are given one hour credit each for the lab component*

**MAJOR REQUIREMENTS – 72 HOURS**

**Required Courses – 39 Hours**

Exercise Science Core:

NUTR 2351 Introduction to Clinical Nutrition

KINE 1301 Wellness

KINE 3353 Physiology of Exercise I

KINE 3153 Physiology of Exercise Lab I

KINE 3360 Exercise Testing and Prescription

KINE 3160 Exercise Testing and Prescription Lab

KINE 3365 Physiology and Techniques of Strength/Power Fitness

KINE 3165 Physiology and Techniques of Strength/Power Fitness Lab

KINE 3370 Biomechanics

KINE 4310 Measurement Techniques in Physical Education and Sport

KINE 4351 Adapted Kinesiology

KINE 4353 Physiology of Exercise II

KINE 4360 Clinical Exercise Physiology

KINE 4375 Motor Learning

KINE 4380 Exercise Science Internship

**Physical Therapy Concentration – 27 Hours**

BIOL 1406 General Biology I

BIOL 1407 General Biology II

CHEM 1311 General Chemistry I

CHEM 1111 General Chemistry I Lab

CHEM 1312 General Chemistry II

CHEM 1112 General Chemistry II Lab

PHYS 1401 General Physics I

PHYS 1402 General Physics II

SOCI 1301 Introduction to Sociology

**Support Courses – 6 Hours**

Choose one:

MATH 1314 College Algebra

PSYC 2302 Basic Statistics for Psychologists

Choose one:

PSYC 3337 Developmental Psychology: Lifespan

ENGL 3342 Technical Communication

**FREE ELECTIVES – 6 HOURS**

Free electives credit hours required may vary to achieve the institutional minimum of 120 hours for a degree.