

# APPLIED SCIENCE IN EXERCISE SCIENCE - BS

Students studying exercise and sport science may apply their liberal arts education in the field of physical therapy or public health through two dual degree programs. The Master of Arts in Occupational Therapy (MAOT), Doctor of Occupational Therapy - Entry Level (OTD EL) and Master of Public Health (MPH), and Doctor of Physical Therapy (DPT) programs offer students the opportunity to enter the graduate program as undergraduate students in their senior year. Students complete their bachelor's degree while pursuing the graduate degree.

## Exercise Science/Doctor of Physical Therapy

As an applied science in exercise science major, students will complete the exercise science pre-physical therapy sequence of courses and supporting work for the DPT program. This includes courses in biology, anatomy, physiology, chemistry, physics, psychology, statistics, and mathematics, while providing a special emphasis in exercise science.

The exercise science courses focus on developing an understanding of human movement, including the assessment of fitness levels, individual capabilities, movement and injury. In addition to DPT prerequisite courses, students will take classes in areas such as exercise physiology, kinesiology, research methods, and the care and prevention of athletic injuries. If students choose to complete the fourth-year course work prior to applying for the DPT program they will be prepared to work in a variety of areas of the health and fitness industry, as well as in graduate programs in athletic training, exercise physiology and biomechanics.

To enroll in this program, students apply to the DPT program during their junior year. If they are admitted to the DPT program, they receive a B.S. in applied science in exercise science upon completion of the first year of the DPT program. The curriculum for the applied science in exercise science major is listed in the Pre-Professional Programs, Pre-Physical Therapy (<http://catalog.stkate.edu/undergraduate/preprofessional-programs/prephysical-therapy/>) section of this catalog.

## Exercise Science/Master of Public Health

As an applied science in exercise science major, students will complete the exercise science pre-MPH therapy sequence of courses and supporting work for the MPH program. This includes courses in biology, anatomy, physiology, chemistry, and statistics, while providing a special emphasis in exercise science.

The exercise science courses focus on developing an understanding of human movement, including the assessment of fitness levels, individual capabilities, movement and injury. In addition to MPH prerequisite courses, students will take classes in areas such as exercise physiology, kinesiology, research methods, and the care and prevention of athletic injuries. If students choose to complete the fourth-year course work prior to applying for the MPH program they will be prepared to work in a variety of areas of the health and fitness industry, as well as in graduate programs in athletic training, exercise physiology and biomechanics.

To enroll in this program, students apply to the MPH program during their junior year. If they are admitted to the MPH program, they receive a B.S. in applied science in exercise science upon completion of the first year of the MPH program. The curriculum for the applied science in exercise science major is listed in the Pre-Professional Programs, Pre-

Public Health (<http://catalog.stkate.edu/undergraduate/preprofessional-programs/prepublic-health/>) section of this catalog.

## Exercise Science/Master of Arts in Occupational Therapy

As an applied science in exercise science major, students will complete the exercise science pre-occupational therapy sequence of courses and supporting work for the MAOT program. This includes courses in biology, anatomy, physiology, psychology, and statistics, while providing a special emphasis in exercise science.

The exercise science courses focus on developing an understanding of human movement, including the assessment of fitness levels, individual capabilities, movement and injury. In addition to MAOT prerequisite courses, students will take classes in areas such as exercise physiology, kinesiology, research methods, and the care and prevention of athletic injuries. If students choose to complete the fourth-year course work prior to applying for the MAOT program they will be prepared to work in a variety of areas of the health and fitness industry, as well as in graduate programs in athletic training, exercise physiology and biomechanics.

To enroll in this program, students apply to the MAOT program during their junior year. If they are admitted to the MAOT program, they receive a B.S. in applied science in exercise science upon completion of the first year of the MAOT program. The curriculum for the applied science in exercise science major is listed in the Pre-Professional Programs, Pre-Occupational Therapy Masters (<http://catalog.stkate.edu/undergraduate/preprofessional-programs/pre-maot/>) section of this catalog.

## Exercise Science/Doctor of Occupational Therapy-Entry Level

As an applied science in exercise science major, students will complete the exercise science pre-occupational therapy sequence of courses and supporting work for the OTD EL program. This includes courses in biology, anatomy, physiology, psychology, and statistics, while providing a special emphasis in exercise science.

The exercise science courses focus on developing an understanding of human movement, including the assessment of fitness levels, individual capabilities, movement and injury. In addition to OTD EL prerequisite courses, students will take classes in areas such as exercise physiology, kinesiology, research methods, and the care and prevention of athletic injuries. If students choose to complete the fourth-year course work prior to applying for the OTD EL program they will be prepared to work in a variety of areas of the health and fitness industry, as well as in graduate programs in athletic training, exercise physiology and biomechanics.

To enroll in this program, students apply to the OTD EL program during their junior year. If they are admitted to the OTD EL program, they receive a B.S. in applied science in exercise science upon completion of the first year of the OTD EL program. The curriculum for the applied science in exercise science major is listed in the Pre-Professional Programs, Pre-Occupational Therapy Doctoral (<http://catalog.stkate.edu/undergraduate/preprofessional-programs/pre-otd-el/>) section of this catalog.