

MINOR IN HUMAN PERFORMANCE DATA ANALYTICS

Overview

The Minor in Human Performance Data Analytics is an interdisciplinary program designed to equip students with the skills to interpret and apply data to optimize human performance. This program addresses the demand for professionals who can derive actionable insights from a wide spectrum of data, including physiological, biomechanical, and behavioral metrics. Students will move "beyond Moneyball," utilizing sophisticated analytical techniques and programming languages like Python, R, and SQL to uncover insights that shape training, mitigate injury risk, and enhance well-being. The curriculum combines core coursework in statistical programming, machine learning, and behavioral analytics with specialized electives in wearable technology and health data management. This minor provides a competitive advantage for students in fields such as sports administration, exercise science, athletes, rehabilitation, and physical therapy preparing them to become leaders in the rapidly evolving world of performance analytics. Therefore, students in physical therapy, sports administration, applied physiology, and business would be particularly interested in this minor.

Curriculum Requirements

Code	Title	Credit Hours
Foundational Core Course (3 credits):		
EPS 402	Statistical Programming: R, Python, and SQL for Social and Behavioral Data	3
Core Course (9 credits):		
EPS 403	Applied Machine Learning in the Social and Behavioral Sciences	3
EPS 406 or KIN 406	Moneyball and Beyond: Ethical and Responsible Sports Analytics Moneyball and beyond: Ethical and Responsible Sports Analytics	3
EPS 407 or KIN 407	Behavioral Analytics and Research in Sport Industry Behavioral Analytics and Research in Sport Industry	3
Elective Courses (Choose 3 credits total):		3
KIN 422	Introduction to Sport Analytics	
KIN 210	(Applied Technology for Human Performance and Sports Nutrition (NEW COURSE))	
EPS 408 or KIN 408	Healthcare Data, Remote Management, and the Future of Medicine (NEW COURSE) Healthcare Data, Remote Management, and the Future of Medicine	
Total Credit Hours		15

Notes. EPS351 or PSY291 or equivalent courses for introduction to statistics - this will be required to be successful in this minor.

Graduation Requirements

To successfully complete the DAISI Minor, students must meet the following graduation requirements:

1. Credit Hours

Completion of a minimum of **15 credit hours** in approved coursework for the minor:

- 3 credits in a foundation course
- 9 credits in core courses
- 3 credits from elective courses

2. Grade Requirements

- A minimum grade of **C** must be earned in each course counted toward the minor.
- Students must achieve a **minimum cumulative GPA of 3.0** across all minor coursework.

3. Integration with Major Program: Courses used to fulfill major requirements will not be double-counted toward the minor unless explicitly allowed by both programs.