Sport Analytics is an interdepartmental program designed to assist undergraduate students in developing strong data analysis and analytical thinking skills to address important questions both on the team/player performance side and the business/revenue generation side of the sport industry. The curriculum provides students rigorous training in areas such as data science, computer science, statistics, and sport management. The interdisciplinary studies will allow students to build solid theoretical foundations in sport management as well as strong data analysis skills.

The Sport Analytics major highly values the importance of experiential learning. Students have opportunities to work with mentors from professional sport teams, college teams, and other industry professionals on problem sets that are critical to sport organizations. The department of Statistics, the Data to Knowledge (D2K) Lab, and the department of Sport Management oversee this major.

Bachelor's Program

- Bachelor of Arts (BA) with a Major in Sport Analytics

Sport Analytics does not currently offer an academic program at the graduate level.

Program Director

Clark D. Haptonstall, Sport Management

Professors

Rudy Guerra, Statistics
David B. Johnson, Computer Science
Scott Rixner, Computer Science

Assistant Professors

Akane Sono, Electrical and Computer Engineering
Hua Gong, Sport Management
Scott Powers, Sport Management

Associate Teaching Professor

Stephen Wang, Mathematics

Assistant Teaching Professors

Su Chen, D2K Lab
Risa Myers, Computer Science
Rebecca Smith, Computer Science

Professors in the Practice

Diane Crosse, Sport Management
Clark D. Haptonstall, Sport Management
Tom Stallings, Sport Management
Stephanie Wilka, Sport Management

Lecturer

Roberto Bertolusso, Statistics

Instructors

Nickolas Castro, Mathematics
Hongdi Huang, Mathematics
William Worden, Mathematics

For Rice University degree-granting programs:

To view the list of official course offerings, please see Rice’s Course Catalog (https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata)

To view the most recent semester’s course schedule, please see Rice’s Course Schedule (https://courses.rice.edu/admweb/!SWKSCAT.cat)

Description and Code Legend

Note: Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference:

Course Catalog/Schedule

- Course offerings/subject code: Courses from various subjects may apply towards this program

Department (or Program) Description and Code

- Sport Analytics: SPCS

Undergraduate Degree Description and Code

- Bachelor of Arts degree: BA

Undergraduate Major Description and Code

- Major in Sport Analytics: SPCS

CIP Code and Description

- SPCS Major/Program: CIP Code/Title: 30.7199 - Data Analytics, Other

1 Classification of Instruction Programs (CIP) 2020 Codes and Descriptions from the National Center for Education Statistics: https://nces.ed.gov/ipeds/cipcode/