



FLORIDA STATE UNIVERSITY
COLLEGE OF ARTS & SCIENCES

INTERDISCIPLINARY DATA SCIENCE COMBINED PATHWAYS

The Interdisciplinary Data Science program offers select undergraduate majors the option of accelerating their studies and getting a head start on graduate school. Combined bachelor's/master's pathways allow prospective students to substitute specific graduate coursework for undergraduate classes and count up to four courses (12 credit hours) toward both bachelor's and master's degrees. Completing graduate coursework before undergraduate graduation equips students with advanced skills needed for better internships and employment opportunities.

In FSU's Interdisciplinary Data Science Master's Degree Program, or IDS, students acquire the technical and analytical skills that will propel them into careers across diverse industries, from the sciences to health care, from finance and economics to the humanities and more.

Graduates of the program will fill a growing demand for a workforce trained in data science, and possess sought-after skills to read, analyze, explore, model, and draw conclusions from the highly complex, multi-dimensional, rapidly expanding, and diverse data universe. Sectors where these skills will prove indispensable include cybersecurity, data information processing, financial services, epidemiology, public health, survey research, airline and auto industries, real estate, online retail and more.

Admission Requirements

An undergraduate student wishing to apply to the combined pathway must meet the following criteria:

- Completion of at least 12 credits of upper division coursework in the undergraduate major at FSU with a GPA of at least 3.2.
- Completion of all IDS prerequisite courses (Calculus 2, Intro Statistics, and an object-oriented programming language).
- An overall minimum FSU GPA of 3.0.
- Completion of at least 90 credit hours of undergraduate coursework (60 for Honors students).
- Transfer students must have completed at least two semesters and 24 credits at FSU.

Application Process

Undergraduate students may apply to combined pathway program once they have met the eligibility criteria, which can be as early as the second semester of their sophomore year but by no later than the first day of the term before the term they plan to enroll in graduate courses.

After acceptance into the program and once students are eligible to take graduate coursework, a "Request to Take Graduate Courses Form" can be obtained from the undergraduate academic adviser. All graduate level courses must gain approval through this form before enrollment. The processing of this form can take several weeks and is due to the registrar no later than the last day of drop/add of the semester the graduate course(s) will be taken. The registrar then enrolls the student in the course(s).

Accepted students must make formal application for admission to FSU's Graduate School by no later than the posted deadline for the fall term in which they plan to begin the graduate program.

Once a student has completed the requirements for the undergraduate degree (120 credit hours), they will be awarded the Bachelor of Arts degree. When the requirements for the master's degree are met they will receive the Master of Science degree.

Complete [this form](#) to request a review of your eligibility for one of the combined pathways programs.



COMBINED PATHWAYS

Computational Science

Shared Coursework

Four of the following courses can be double-counted for the B.S. in Scientific Computing and the M.S. in IDS:

- ISC 5315 – Applied Computational Science I
- ISC 5305 – Scientific Programming
- ISC 5307 – Scientific Visualization
- ISC 5318 – High Performance Computing or
- ISC 5228 – Monte Carlo Simulations

STA 5207 meets one of the IDS core course requirements and the remaining courses meet three of the four required electives.

Computer Science

Combined pathways are available to students in the following majors:

- Bachelor of Science in Computer Science (BS-CS to MS-IDS)
- Bachelor of Arts in Computer Science (BA-CS to MS-IDS)
- Bachelor of Arts in Computer Applications and Programming (BA-CPA to MS-IDS)

Shared Coursework

The following four courses can be double-counted for any one of the bachelor's degrees above and the M.S. in IDS:

- CAP 5768 – Introduction to Data Science (3)
- CAP 5771 – Data Mining (3)
- CIS 5379 – Computer Security Fundamentals for Data Science (3)
- CAP 5769 – Advanced Data Science (3)

CAP 5768 and CAP 5771 meet two of the IDS core course requirements and CIS 5379 and CAP 5769 meet two of the four required electives.

Statistics

Shared Coursework

The following four courses can be double-counted for the B.S. in Statistics and the M.S. in IDS:

- STA 5207 – Applied Regression Methods
- STA 5166 – Statistics in Applications I
- STA 5066 – Data Management and Analysis with SAS
- STA 5067 – Advanced Data Management and Analysis

STA 5207 meets one of the IDS core course requirements and the remaining courses meet three of the four required electives.

Complete [this form](#) to request a review of your eligibility for one of the combined pathways programs.

