FAU

FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Undergraduate Programs

UUPC Approval 12/01/25
UFS Approval _____
Banner _____
Catalog _____

Department N/A

College Honors College

Program Name
Data Science minor

☐ **New Program***

☑ **Change Program***

Effective Date
(TERM & YEAR)
Summer 2026

Please explain the requested change(s) and offer rationale below or on an attachment.

In section I, add COP 3035C as an alternative to COP 2000.

In section II, add BSC 4892 Honors Artificial Intelligence in Biology as one of the electives and replace BSC 4930 Honors Experimental Design and Data Analysis with its current number BSC 3452C Honors Experimental Design and Data Analysis.

*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

Faculty Contact/Email/Phone
Terje Hill / terjehill@fau.edu

Consult and list departments that may be affected by the change(s) and attach documentation
N/A

Approved by		***Date***
Department Chair	Terje Hill	11/21/2025
College Curriculum Chair	Terje Hill	11-21-2025
College Dean		11-21-25
UUPC Chair	Korey Sorge	12/01/25
Undergraduate Studies Dean	Dan Meeroff	12/01/25
UFS President		
Provost		

Email this form and attachments to mjenning@fau.edu seven business days before the UUPC meeting.

MINOR IN DATA SCIENCE

Data science is a methodological approach rather than a substantive field, one which is integrated into the ways in which we assess the world. This is reflected in the requirement that students who minor in data science take introductory coursework and then apply insights from this coursework to an empirical project.

ADVISORY BOARD: Duboué, Chaves-Fonnegra, Fily, Hedetniemi, Hill, Lanning, McGovern, Ruest~~, Verma~~

REQUIREMENTS FOR THE MINOR:

Note that at least 9 credits of the minor must be at the upper level (3000 or 4000) and only 4 credits of courses may be double-counted with the student's concentration.

I. Three required courses (10 credits): Students must complete all of the following courses with a minimum GPA of 2.0:

Course	Title	Prereq	Credit
COP 3076	Honors Introduction to Data Science	STA 2023	3 cr
COP 3035C	Intro Programming in Python		3 cr
or			
COP 2000	Honors Foundations of Programming		3 cr
MAC 2311	Honors Calculus with Analytic Geometry I	MAC 1147	4 cr

~~If COP 2000 is unavailable, COP 2220 (Introduction to Programming in C) may be taken via Distance Learning through the College of Engineering and Computer Science.~~

II. Minimum 6-8 credits of data-relevant courses: Students must take at least six credits in additional data-relevant courses from the following list. No more than four of these credits may be counted towards the major concentration:

Course	Title	Prereq	Credit
ART 3657C	Honors Introduction to Programming for Visual Arts		4 cr
BSC 3452C	Honors Experimental Design and Data Analysis		3 cr
BSC 4892	Honors Artificial Intelligence in Biology		3 cr
~~BSC 4930~~	~~Honors Experimental Design and Data Analysis for Biology~~	~~STA 2023~~	~~3 cr~~
CHM 3121/L	Honors Quantitative Analysis/Lab	CHM 2045/L, 2046/L	4 cr

Course	Title	Prereq	Credit
COP 3012	Honors Advanced Programming (or any other upper level course with COP or COT prefix)		3 cr
ECO 4412	Honors Econometrics: Applied Regression Analysis	STA 2023	3 cr
GIS 3044C	Honors Geographic Information Systems		3 cr
ISS 4304	Honors Computational Social Science		3 cr
IDS 3932	Honors Beginner's Programming for Biologists		3 cr
IDS 3932	Honors Empirical Analysis of Investment/Financial Markets		3 cr
IDS 3932	Honors Art and Science of Data Visualization		1 cr
MAD 2104	Honors Discrete Mathematics		3 cr
MAT 4930	Honors Intro to Computational Science		3 cr
PHY 4523	Statistical Physics	PHY 2049	3 cr
PHY 4936	Honors Computational Physics	PHY 3221, PHY 3323	3 cr
PSY 3213/L	Honors Research Methods in Psychology/Lab	PSY 1012	4 cr
STA 3164	Honors Intermediate Statistics (or any upper level course with STA prefix)	STA 2023	3 cr

III. Data proficiency (0-3 credits):
The student must demonstrate data proficiency. This may be accomplished either by:

1. Submitting a thesis in the student's Concentration to the Data Science Minor Advisory Board which the board approves as demonstrating data proficiency.
2. Directed Independent Study (1-3 credits) in which the student demonstrates data proficiency as documented by completing the form at: http://bit.ly/WHCDSMinorProficiency and having a board member review and confirm.

TOTAL CREDITS: 16-21 (NOT INCLUDING PREREQUISITE COURSES)