

Mathematical Sciences: Mathematical Data Science

2024-2025 Palm Beach State College Transfer Guide

Degree

[Bachelor of Science in Mathematical Sciences: Mathematical Data Science Major](#)
[Course Catalog](#)

Majors: Mathematics, Mathematical Data Science, Statistics.

Admission Requirements

- Complete Associate in Arts (AA) degree
- Complete all prerequisites with grade of C or higher
- Cumulative Transfer GPA: 2.0 or higher

Special Notes

- We strongly encourage students to complete math and science courses **every term** to make satisfactory progress toward completing all prerequisites and AA degree prior to transfer.
- The additional lower division course below is required for this program. We encourage students to take the course (as an elective) prior to completing the AA.

PREREQUISITES

PBSC Course	FIU Course
MAC 2311 Calculus with Analytic Geometry 1	MAC 2311
MAC 2312 Calculus with Analytic Geometry 2	MAC 2312
MAC 2313 Calculus with Analytic Geometry 3	MAC 2313
MAP 2302 Differential Equations	MAP 2302
COP 2800 Programming in Java	COP 2210

Complete one of the following science courses with lab.

BSC 1010 + BSC 1010L Principles of Biology 1 + Lab	BSC 2010 + BSC 2010L
OR	
BSC 1011 + BSC 1011L Principles of Biology 2 + Lab	BSC 2011 + BSC 2011L
OR	
CHM 1045 + CHM 1045L General Chemistry 1 + Lab	CHM 1045 + CHM 1045L
OR	
CHM 1046 + CHM 1046L General Chemistry 2 + Lab	CHM 1046 + CHM 1046L
OR	
PHY 2048 + PHY 2048L General Physics with Calculus 1 + Lab	PHY 2048 + PHY 2048L
OR	
PHY 2049 + PHY 2049L General Physics with Calculus 2 + Lab	PHY 2049 + PHY 2049L
OR	
GLY 2030C Environmental Geology + Lab	GLY 1010 + GLY 1010L

ADDITIONAL LOWER DIVISION COURSES

MAD 2104 Special Topics in Mathematics: Discrete Math	MAD 2104
-------------------------------------------------------	----------