Bachelor of Science in Data Science – 2023-2024

MAC2311 Calculus I (PR: MAC1140C, MAC1114)

MAC2312 Calculus II

MAC2313 Calculus III

Note:
Electives may be any 3000-level or higher numbered UCF course that is not used to fulfill another degree requirement. See the program’s undergraduate coordinator for more information.

GEP Additional Information: https://undergrad.ucf.edu/gep/req/gepreq/

Choose one from the following:

CAP4611 Algorithms for Machine Learning (PR: COP3502C, STA2023)

ESI4312 Deter. Methods for Ops. Research (PR: STA4163, MAS3105)

MAP4112 Math. Found. for ML and AI (PR: MAC2313, MAS3105)

STA4241 Statistical Learning (PR: STA4164)

Required Science GEPs

PHY2048C General Physics Using Calculus I (PR: MAC2311)

BSC2010C Biology I

COT3100C or
MHF3302 Intro to Discrete OR Logic & Proof

STA2023 Statistical Methods I (PR: Any MAC course)

STA4364 Stat. Foundations of DS and AI I

STA4365 Stat. Foundations of DS and AI II

STA4163 Statistical Methods II

STA4164 Statistical Methods III

ISC4241 Data Science I

ISC4242 Data Science II

ISC4311 Predictive Analytics

ISC4323C Praxis for Data Science

Passing score in CS Placement Exam or AP Computer Science A

or

COP3502C Computer Science I

COP2500C Concepts in Computing

COP3223C Introduction to Programming in C

COP4283 Data Science Programming

COP5002C Data Management Technology

ISC4551 Data Graphics and Visualization

CAP4611 Algorithms for Machine Learning (PR: COP3502C, STA2023)

ESI4312 Deter. Methods for Ops. Research (PR: STA4163, MAS3105)

MAC2311 Calculus I (PR: MAC1140C, MAC1114)

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