Bachelor of Science in Data Science — 2024-2025

**Required Science GEPs**
- **ISC4311** Predictive Analytics (PR: ISC4242, MAS3105, STA4164)
- **PHY2048C** General Physics Using Calculus I (PR: MAC2311)
- **STA4852** Applied Time Series (PR: STA4163)

**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)

**Details on Elective Requirements:**
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.

**Details on GEP Requirements:**
https://undergrad.ucf.edu/gep/req/gepreq/

**Choose one from the following:**
- **MAC2311** Calculus I (PR: MAC1140C, MAC1114)
- **MAC2312** Calculus II
- **MAC2313** Calculus III
- **MAS3105** Matrix & Linear Algebra
- **STA4364** Stat. Foundations of DS and AI I
- **STA4365** Stat. Foundations of DS and AI II
- **STA4163** Statistical Methods II
- **STA4164** Statistical Methods III
- **CIS4340** Data Management Technology
- **ISC4241** Data Science I
- **ISC4242** Data Science II
- **ISC4323C** Praxis for Data Science
- **ISC4283** Data Science Programming
- **COT3100C OR MHF3302** Intro to Discrete OR Logic & Proof
- **COT3223C** Introduction to Programming in C
- **COP2500C** Concepts in Computing
- **COP3100** Calculus I (PR: MAC1140C, MAC1114)
- **COP3223C** Introduction to Programming in C
- **COP3502C** Computer Science I
- **COP3823C** Data Management Technology
- **COP4283** Data Science Programming
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**Passing score in CS Placement Exam or AP Computer Science A**

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**Passing score in CS Placement Exam or AP Computer Science A**