

Physics: Data Science, B.A.

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This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
Freshman		
Fall		
MATH 1420	Calculus I (satisfies UNIFI: Quantitative Reasoning)	4
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701	Physics I for Science and Engineering	4
UNIFI: Written Communication		3
UNIFI: Human Expression		3
Hours		15
Spring		
MATH 1421	Calculus II	4
PHYSICS 1702	Physics II for Science and Engineering	4
UNIFI: Oral Communication		3
UNIFI: Human Condition (Global)		3
Hours		14
Sophomore		
Fall		
PHYSICS 2300	Physics III: Theory and Simulation	3
STAT 1772	Introduction to Statistical Methods	3
UNIFI: Human Condition (Domestic)		3
University Electives		7
Hours		16
Spring		
PHYSICS 4100/5100	Modern Physics	4
PHYSICS 4110/5110	Modern Physics Laboratory	2
ECON 1011	Statistics for Business Analytics	3
UNIFI: Responsibility		3
University Elective		3
Hours		15
Junior		
Fall		
ECON 2090	Decision Analytics	3
STAT 4772/5772	Statistical Computing I	3
UNIFI: Connect		3
University Electives		6
Hours		15
Spring		
UNIFI: Connect		3
Data Science Elective		3-4
University Electives		8
Hours		14-15

Senior

Fall		
PHYSICS 3000	Undergraduate Research in Physics (Data Science Project)	1
UNIFI: Connect		3
University Electives		12
Hours		16
Spring		
UNIFI: Connect		3
University Electives		12
Hours		15
Total Hours		120-121