WILLIAM & MARY | DATA SCIENCE

Recommended Coursework Sequence → Major Starting Freshman Year

For most students enrolling at W&M, it's a good idea to get started on your DATA career early.This gives you the flexibility to take advantage of the wide range of academic opportunities W&M offers. Starting later? It's still ok! Check out the next section.

FRESHMAN YEAR 1

DATA 101
or CSCI 141
Demystifying Data

MATH 111 or MATH 121
Calculus I

MATH 112 or MATH 122
Calculus II

SOPHOMORE YEAR 2

DATA 201
Introduction to Data Science

At least one of:
DATA 202
Ethics in Data Science
or
DATA 303
Data Visualization
or
DATA 302
Databases

JUNIOR YEAR 3

DATA 301
Applied Machine Learning

Remainder of:
DATA 202
Ethics in Data Science
DATA 303
Data Visualization
DATA 302
Databases

At least one of:
MATH 211
Linear Algebra
MATH 351
Probability and Statistics

↓

MATH 352
Statistical Data Analysis

SENIOR YEAR 4

DATA 4***
Capstone Course

3 Specialization Area Courses

Each student takes 3 courses from the Artificial Intelligence, Data Application, Algorithms, or Spatial Data Analytics tracks.

Remainder of:
MATH 211
Linear Algebra
MATH 351
Probability and Statistics

↓

MATH 352
Statistical Data Analysis

Students can usually declare their major during the spring semester of their sophomore year or once they have 39 credits.

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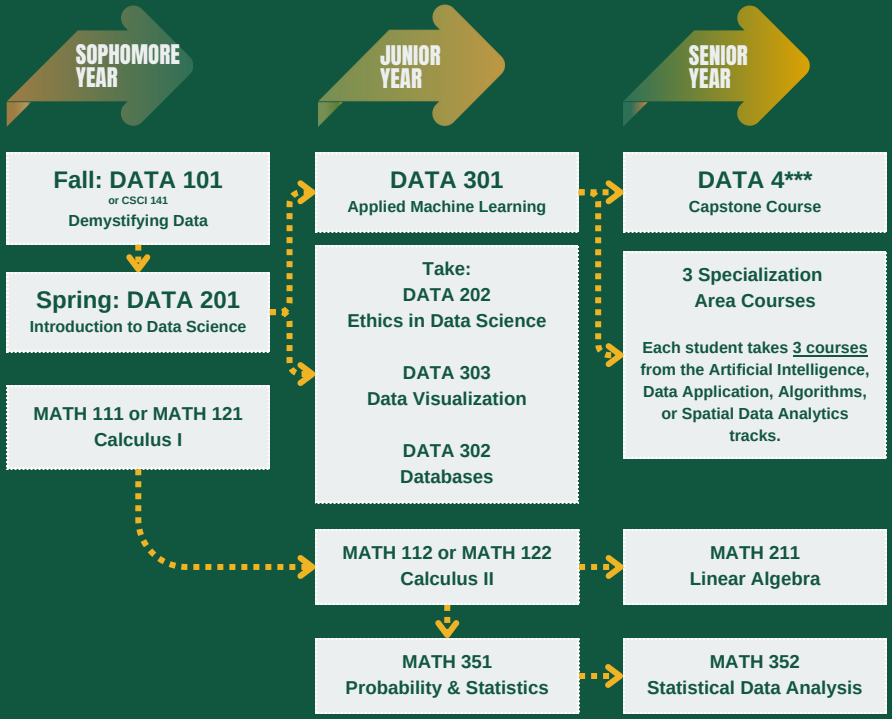
Recommended Coursework Sequence ⇢ Major Starting Sophomore Year

Most of our students start enrolling in DATA coursework their Sophomore year.



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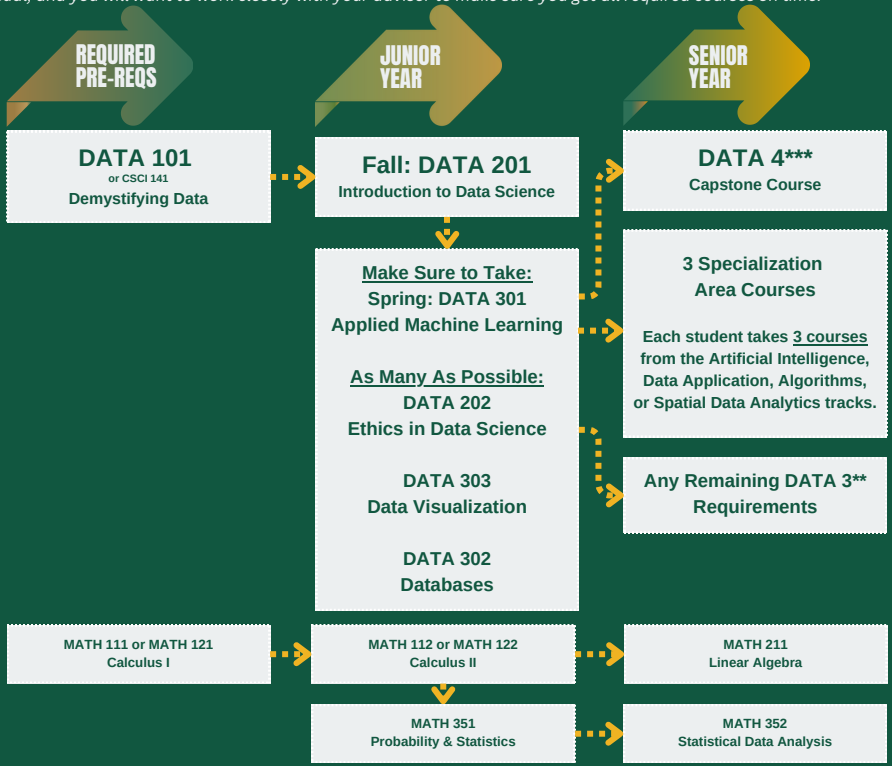
Recommended Coursework Sequence ⇢ Major Starting Junior Year

If you have already passed some courses in Data Science or Math, it is sometimes possible to declare as late as your Junior Year; this is a bit unusual, and you will want to work closely with your advisor to make sure you get all required courses on time.



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Recommended Coursework Sequence ⇢ Minor

The Data Science Minor is a flexible degree which pairs well with many different disciplines all across campus. It generally requires a minimum of 3 semesters to complete.