

MATHEMATICS: MATHEMATICS FOR DATA SCIENCE

FOUR-YEAR PLAN

SAMPLE FOUR-YEAR PLAN

This Sample Four-Year Plan is a tool to assist students and their advisor(s). Students should use it—along with their DARS report, the Degree Planner, and Course Search & Enroll tools—to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. As students become involved in athletics, honors, research, student organizations, study abroad, volunteer experiences, and/or work, they might adjust the order of their courses to accommodate these experiences. Students will likely revise their own four-year plan several times during college.

In general, your four year plan in mathematics should be organized along the following sequence:

1. Calculus
2. Linear Algebra
3. Required Intermediate level course
4. Additional intermediate level courses as needed
5. Required advanced level course
6. Additional advanced level courses

Freshman

Fall	Credits Spring	Credits
MATH 221	5 MATH 222	4
Literature Breadth	3 Literature Breadth	3
Communication A	3 Ethnic Studies	3
Foreign Language	4 Foreign Language	4
	15	14

Sophomore

Fall	Credits Spring	Credits
MATH 234	4 MATH Required Linear Algebra	3
Humanities Breadth	3 MATH Required Probability	3
Communication B	3 Humanities Breadth	3
Prerequisite for Data Science Fundamentals course	3 Physical Science Breadth	3
Elective	3 Elective	3
	16	15

Junior

Fall	Credits Spring	Credits
Required Intermediate MATH	3 MATH Elective	3
Data Science Fundamentals Course	3 Data Science Elective	3

Social Sciences Breadth	3 Social Science Breadth	3
Biological Sciences Breadth	3 Biological Sciences Breadth	3
Elective	3 Elective	3
	15	15

Senior

Fall	Credits Spring	Credits
MATH 535	3 Advanced MATH elective	3
Data Science Elective	3 Data Science Elective	3
Social Science Breadth	3 Social Science Breadth	3
Electives	6 Electives	6
	15	15

Total Credits 120