



Associate of Science

Major: Data Science

2020-2021 Sample 2-Year Plan

Total Degree Requirements: 60 credits

Student _____ Student ID# _____ Student Phone # _____

Advisor _____ Minimum GPA 2.00 Minor/Career Interest(s) _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

First Year – Option 1, stacks into B.S. in Data Science or B.S. in Mathematics with Data Science Specialization

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--------------------------------------|------------------------|---------|----------|-------|
| ENGL 101 | Composition I (SGR #1) | p. Placement | 3 | | |
| INFO 101 | Introduction to Informatics (SGR #6) | | 3 | | |
| MATH 123 | Calculus I (SGR #5) | p. Placement | 4 | | |
| SGR #2 | Oral Communication | | 3 | | |
| STAT 101 | Introduction to Data Science | | 3 | F | |
| Total Credit Hours | | | 16 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--|------------------------|---------|----------|-------|
| CSC 150 | Computer Science I | | 3 | | |
| ENGL 201 or ENGL 277 | Composition II (SGR #1) or Technical Writing in Engineering (SGR #1) | p. ENGL 101 | 3 | | |
| MATH 125 | Calculus II | p. MATH 123 | 4 | | |
| SGR #3 | Social Sciences/Diversity | | 3 | | |
| SGR #4 | Arts & Humanities/Diversity | | 3 | | |
| Total Credit Hours | | | 16 | | |

Second Year - Option 1, stacks into B.S. in Data Science or B.S. in Mathematics with Data Science Specialization

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|------------------------------|------------------------|---------|----------|-------|
| MATH 253 | Logic, Sets, and Proof | p. MATH 125 | 3 | | |
| STAT 382 | Probability and Statistics I | p. MATH 125 | 3 | F | |
| SGR #3 | Social Sciences/Diversity | | 3 | | |
| General Electives | General Electives | | 5 | | |
| Total Credit Hours | | | 14 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|-------------------------------|------------------------|---------|----------|-------|
| STAT 410 | SAS Programming | | 3 | S | |
| STAT 415 | R Programming | p. INFO 101 or CSC 150 | 3 | S | |
| STAT 482 | Probability and Statistics II | p. STAT 382 | 3 | S | |
| General Electives | General Electives | | 5 | | |
| Total Credit Hours | | | 14 | | |



First Year – Option 2, stacks into Bachelor’s Degrees other than Mathematics or Data Science

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--------------------------------------|--------------------------|---------|----------|-------|
| ENGL 101 | Composition I (SGR #1) | p. Placement | 3 | | |
| INFO 101 | Introduction to Informatics (SGR #6) | | 3 | | |
| MATH 121/L | Survey of Calculus and Lab (SGR #5) | p. Placement or MATH 114 | 5 | | |
| STAT 101 | Introduction to Data Science | | 3 | F | |
| Total Credit Hours | | | 14 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|--|------------------------|---------|----------|-------|
| CSC 150 | Computer Science I | | 3 | | |
| ENGL 201 or ENGL 277 | Composition II (SGR #1) or Technical Writing in Engineering (SGR #1) | p. ENGL 101 | 3 | | |
| SGR #3 | Social Sciences/Diversity | | 3 | | |
| SGR #4 | Arts & Humanities/Diversity | | 3 | | |
| STAT 281 | Introduction to Statistics | p. MATH 121/L | 3 | | |
| Total Credit Hours | | | 15 | | |

Second Year - Option 2, stacks into Bachelor’s Degrees other than Mathematics or Data Science

Fall

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|---------------------------|---|---------|----------|-------|
| STAT 441 | Statistical Methods II | p. STAT 281 If desired online, take during summer. | 3 | | |
| STAT 442 | Exploratory Data Analysis | p. STAT 281 | 3 | F | |
| SGR #2 | Oral Communication | | 3 | | |
| SGR #3 | Social Sciences/Diversity | | 3 | | |
| General Electives | General Electives | | 4 | | |
| Total Credit Hours | | | 16 | | |

Spring

| Prefix + Number | Course Title | Prerequisites/Comments | Credits | Semester | Grade |
|---------------------------|----------------------------------|------------------------|---------|----------|-------|
| MATH 250 | Mathematics for Computer Science | p. MATH 121/L | 3 | | |
| STAT 410 | SAS Programming | | 3 | S | |
| STAT 415 | R Programming | p. INFO 101 or CSC 150 | 3 | S | |
| General Electives | General Electives | | 6 | | |
| Total Credit Hours | | | 15 | | |

Comments/Notes

The Department of Mathematics and Statistics has additional plans of study in different focus areas including Applied Mathematics and Actuarial/Financial Mathematics. Please contact your advisor for additional information.