### Major Academic Pathway (MAP)

**Nanoscale Science**
Bachelor of Science

<table>
<thead>
<tr>
<th>Fall Semester 1</th>
<th>Spring Semester 1</th>
<th>Summer 1</th>
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| NSCI/NENG 110 **NS**  
NSCI/NENG 120 **NS**  
AMAT 112 or 118 **MS**  
GE or liberal arts/science elective **HU** | NSCI/NENG 102Z **SS,LLWI**  
NSCI/NENG 112  
NSCI/NENG 122  
AMAT 113 or 119 | Consider coursework  
Look for a summer job in the area of your studies |

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<th>Fall Semester 2</th>
<th>Spring Semester 2</th>
<th>Summer 2</th>
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| NSCI/NENG 103 **SS**  
NSCI/TSCI 124  
NSCI 20x  
AMAT 214  
GE or liberal arts/science elective **FL** | NSCI/TSCI 230  
NSCI/TSCI 220  
NSCI 20x  
NSCI 20x  
AMAT 220  
GE or liberal arts/science elective **EU** | Look for shadowing opportunities |

| Fall Semester 3 | Spring Semester 3 | Summer 3  
Summer internship? |
|-----------------|-------------------|----------|
| NSCI 3xx  
NSCI 300  
NSCI 350  
AMAT 314  
GE or liberal arts/science elective **BE** | NSCI 3xx  
NSCI 360  
NSCI 305  
NSCI 390 **IL**  
GE or liberal arts/science elective **DP/GC** | Summer internship? |

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<tr>
<th>Fall Semester 4</th>
<th>Spring Semester 4</th>
<th>Congratulations!</th>
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| NSCI 410  
NSCI 4xx  
NSCI 4xx  
NSCI 490  
NSCI 498  
GE or liberal arts/science elective **US** | NSCI 4xx  
NSCI 4xx  
NSCI 4xx  
NSCI 492 or 493 **OD, ULWI**  
GE or liberal arts/science elective **AR** | Congratulations! |

### General Education Requirements

**Disciplinary Perspectives**

- **AR** Arts (min. 3 crs.)
- **HU** Humanities (min. 3 crs.)
- **NS** Natural Sciences (min. 6 crs.)
- **SS** Social Sciences (min. 6 crs.)

**Cultural and Historical Perspectives**

- **US** U.S. Historical Perspectives (min. 3 crs.)
- **EU** Europe (min. 3 crs.)
- **BE** Regions beyond Europe (min. 3 crs.)
- **GC** Global and Cross-Cultural Studies (min. 3 crs.)
- **DP** U.S. Diversity and Pluralism (min. 3 crs.)

**Courses selected in the major, minor or as electives may also satisfy General Education requirements**

**Communication and Reasoning Competencies**

- **IL** Information Literacy (min. 1 course)
- **OD** Oral Discourse (min 1 course)
- **WI** Written Discourse:
  - **LL** Lower-level writing (min 1 course)
  - **UL** Upper-level writing (min 1 course)
- **MS** Mathematics and Statistics (one semester of collegiate study, or the equivalent, of mathematics at or above the level of pre-calculus and/or probability, statistics, and data analysis)
- **FL** Foreign Language (two semesters of collegiate study, or the equivalent, of a foreign language)