MINOR IN STATISTICS

Program Learning Outcomes for the Minor in Statistics

Upon completing the minor in Statistics, students will be able to:

Requirements for the Minor in Statistics

Students pursuing the minor in Statistics must complete:

- A minimum of 6 courses (19-20 credit hours depending on area of specialization/track selected) to satisfy minor requirements.
- A minimum of 5 courses (15 credit hours) at the 300-level or above.
- A maximum of 2 courses (6 credit hours) from study abroad or transfer credit. For additional departmental guidelines regarding transfer credit, see the Policies tab.
- The requirements of 1 area of specialization. There are 2 areas of specialization offered to students pursuing the Statistics minor:
  - Track A is designed for mathematically sophisticated students who wish to understand not only how statistical methods are used, but also how they are developed.
  - Track B is designed to help students develop a working knowledge of statistics and the wide range of possibilities for the use and misuse of statistical methods.

The courses listed below satisfy the requirements for this minor. In certain instances, courses not on this official list may be substituted upon approval of the minor’s academic advisor (or official certifier). Students and their academic advisors should identify and clearly document the courses to be taken.

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Credit Hours Required for the Minor in Statistics</td>
<td>19-20</td>
</tr>
</tbody>
</table>

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Area of Specialization</strong></td>
<td>19-20</td>
</tr>
</tbody>
</table>

Select 1 from the following (see below for Area of Specialization requirements):

- Track A
- Track B

Total Credit Hours | 19-20 |

Area of Specialization: Track A

Students must complete the 6 courses (19 credit hours total) as listed below to satisfy the requirements for the Track A specialization.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 305</td>
<td>PROBABILITY AND STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 307</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>STAT 405</td>
<td>R FOR DATA SCIENCE</td>
<td>3</td>
</tr>
<tr>
<td>STAT 410</td>
<td>LINEAR REGRESSION</td>
<td>4</td>
</tr>
</tbody>
</table>

Elective Requirements

Select 3 electives from departmental (STAT) course offerings at the 300-level or above.

Total Credit Hours | 19 |

Footnotes and Additional Information

1. STAT 305 and STAT 385 do not count as electives for Track A. Other electives may be chosen as well.

Area of Specialization: Track B

Students must complete the 6 courses (20 credit hours total) as listed below to satisfy the requirements for the Track B specialization.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Core Requirements</strong></td>
<td>8</td>
</tr>
</tbody>
</table>

Select 2 from the following:

- STAT 280 ELEMENTARY APPLIED STATISTICS
- STAT 305 INTRODUCTION TO STATISTICS FOR BIOSCIENCES
- STAT 385 METHODS OF DATA ANALYSIS AND SYSTEM OPTIMIZATION

Elective Requirements

Select 4 electives from departmental (STAT) course offerings at the 300-level or above.

Total Credit Hours | 20 |

Footnotes and Additional Information

1. STAT 305 and STAT 385 do not count as electives for Track B. Other electives may be chosen as well. With advisor approval, 1 elective may be from departments other than Statistics.

Policies for the Minor in Statistics

Program Restrictions and Exclusions

Students pursuing the minor in Statistics should be aware of the following program restriction:

- As noted in Majors, Minors, and Certificates (ga.rice.edu/undergraduate-students/academic-opportunities/majors-minors-certificates), i.) students may declare their intent to pursue a minor only after they have first declared a major, and ii.) students may not major and minor in the same subject.

Transfer Credit

For Rice University’s policy regarding transfer credit, see Transfer Credit (ga.rice.edu/undergraduate-students/academic-policies-procedures/transfer-credit). Some departments and programs have additional restrictions on transfer credit. The Office of Academic Advising maintains the university’s official list of transfer credit advisors on their website: http://oaa.rice.edu. Students are encouraged to meet with their academic program’s transfer credit advisor when considering transfer credit possibilities.

Departmental Transfer Credit Guidelines

Students pursuing the minor in Statistics should be aware of the following departmental transfer credit guidelines:
• No more than 2 courses (6 credit hours) of transfer credit from U.S. or international universities of similar standing as Rice may apply towards the minor.

• Requests for transfer credit will be considered by the program director (and/or the program’s official transfer credit advisor) on an individual case-by-case basis.

For additional information, please see the Statistics website: https://statistics.rice.edu/.

**Opportunities for the Minor in Statistics**

**Academic Honors**

The university recognizes academic excellence achieved over an undergraduate’s academic history at Rice. For information on university honors, please see Latin Honors (ga.rice.edu/undergraduate-students/honors-distinctions/university) (*summa cum laude*, *magna cum laude*, and *cum laude*) and Distinction in Research and Creative Work (ga.rice.edu/undergraduate-students/honors-distinctions/university). Some departments have department-specific Honors awards or designations.

For additional information, please see the Statistics website: https://statistics.rice.edu/.