ANALYTICS MINOR

https://ceps.unh.edu/computer-science/program/minor/analytics

Description

The demand for data-savvy individuals has never been higher, and the analytics minor gives you an introduction to the tools you'll need for a career involving data science and analytics, focused on the application of data science in industry. In addition to courses in mathematics, computer science and analytics, you can study neural networks and big data. Combine this minor with a major in the sciences, computer science, business, marketing or social sciences to bring enhanced skills to your career or graduate studies. With the experience provided by this minor, you'll gain a competitive advantage in this rapidly growing field. The objective of this minor is to provide a basic background in analytics for those interested in applications.

For more information, contact the program coordinator and minor supervisor, at Matthew.Magnusson@unh.edu (matthew.magnusson@unh.edu).

Requirements

Students must complete five courses (20 credits) with a minimum cumulative grade point average of 2.0 and a grade of C- or better in courses taken to complete the minor.

Transfer course approval for the minor is limited to at most, two relevant courses successfully completed at another accredited institution, subject to syllabi review and approval.

Some preparation in MATH 425 Calculus I and programming CS 415 Introduction to Computer Science I is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
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<tr>
<td>CS 417 or COMP 525</td>
<td>From Programs to Computer Science (Durham Students)</td>
<td>4</td>
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<tr>
<td>CS 457 or DATA 557</td>
<td>Introduction to Data Science and Analytics</td>
<td>4</td>
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<tr>
<td>MATH 539</td>
<td>Introduction to Statistical Analysis</td>
<td>4</td>
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<tr>
<td>MATH 545</td>
<td>Introduction to Linear Algebra</td>
<td>4</td>
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<td>Select one course from the following</td>
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<tr>
<td>DATA 674</td>
<td>Predictive and Prescriptive Analytics I</td>
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<tr>
<td>DATA 675</td>
<td>Predictive and Prescriptive Analytics II</td>
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<tr>
<td>DATA 750</td>
<td>Neural Networks</td>
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Total Credits 20