# Cross Disciplinary Studies Minor in Data Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC/CPE 101</td>
<td>Fundamentals of Computer Science</td>
<td>4</td>
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<tr>
<td>CSC/CPE 202</td>
<td>Data Structures</td>
<td>4</td>
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<tr>
<td>CSC/CPE 203</td>
<td>Project-Based Object-Oriented Programming and Design</td>
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<tr>
<td>CSC 348</td>
<td>Discrete Structures</td>
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<tr>
<td>or MATH 248</td>
<td>Methods of Proof in Mathematics</td>
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<tr>
<td>CSC 349</td>
<td>Design and Analysis of Algorithms</td>
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<tr>
<td>CSC 365</td>
<td>Introduction to Database Systems</td>
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<tr>
<td>CSC 369</td>
<td>Introduction to Distributed Computing</td>
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<tr>
<td>CSC 466</td>
<td>Knowledge Discovery from Data</td>
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<tr>
<td>DATA 301</td>
<td>Introduction to Data Science</td>
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<tr>
<td>DATA 401</td>
<td>Advanced Topics in Data Science</td>
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<tr>
<td>DATA 451</td>
<td>Data Science Capstone I</td>
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<td>DATA 452</td>
<td>Data Science Capstone II</td>
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<tr>
<td>MATH 143</td>
<td>Calculus III</td>
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<tr>
<td>MATH 206</td>
<td>Linear Algebra I</td>
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<td>or MATH 244</td>
<td>Linear Analysis I</td>
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<tr>
<td>STAT 302</td>
<td>Statistics II</td>
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<tr>
<td>or STAT 312</td>
<td>Statistical Methods for Engineers</td>
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<tr>
<td>STAT 305</td>
<td>Introduction to Probability and Simulation</td>
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<td>STAT 334</td>
<td>Applied Linear Models</td>
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<td>STAT 331</td>
<td>Statistical Computing with R</td>
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<td>STAT 419</td>
<td>Applied Multivariate Statistics</td>
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<td>Technical Electives (CSC/STAT/DATA/MATH/PHYS)</td>
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Total units: 80