# Data Analytics Minor

Note: Students taking a core statistics course that does not require calculus as a prerequisite (such as Math 105) are encouraged to take a calculus-based statistics course instead (such as Math 333).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics - Any one of the following courses unless one is already a required core course in your major:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IE 331</td>
<td>Applied Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>MATH 333</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MATH 341</td>
<td>Statistical Methods II</td>
<td></td>
</tr>
<tr>
<td>MGMT 216</td>
<td>Business Data Analytics</td>
<td></td>
</tr>
<tr>
<td>Mining - Any one of the following courses unless one is already a required core course in your major:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 482</td>
<td>Data Mining</td>
<td></td>
</tr>
<tr>
<td>IS 392</td>
<td>Web Mining and Information Retrieval</td>
<td></td>
</tr>
<tr>
<td>Core Database and Analytics - Any one of the following courses unless one is already a required core course in your major:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 331</td>
<td>Database System Design &amp; Mgmt</td>
<td></td>
</tr>
<tr>
<td>IS 331</td>
<td>Database Design Management and Applications</td>
<td></td>
</tr>
<tr>
<td>IS 333</td>
<td>Social Network Analysis</td>
<td></td>
</tr>
<tr>
<td>IS 465</td>
<td>Advanced Information Systems</td>
<td></td>
</tr>
<tr>
<td>Remaining two to five courses from the following are not already required core courses in your major:</td>
<td>6-10</td>
<td></td>
</tr>
<tr>
<td>CS 331</td>
<td>Database System Design &amp; Mgmt</td>
<td></td>
</tr>
<tr>
<td>CS 482</td>
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</tr>
<tr>
<td>MGMT 316</td>
<td>Business Research Methods</td>
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</tr>
<tr>
<td>MIS 445</td>
<td>Dec Supprt Tool &amp; Tech Mngrs</td>
<td></td>
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<tr>
<td>OM 375</td>
<td>Management Science</td>
<td></td>
</tr>
<tr>
<td>An independent study focus focused specifically on Data Analytics approved by YWCC advisor and the major advisor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Another course approved by YWCC advisors</td>
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</tr>
</tbody>
</table>

Total Credits: 15-19

1 only one course will count for credit toward a major or minor.