**UNIVERSITY REQUIREMENTS**

All requirements must be fulfilled as indicated in the University Catalog. Exceptions are granted only in extenuating circumstances and only by the Office of Academic Programs.

(7 credits)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CR</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>Critical Reading and Writing (minimum C-)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>APEC 165 or UNIV 101</td>
<td>First Year Experience/FYE</td>
<td>1</td>
<td></td>
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<tr>
<td>APEC 409</td>
<td>Discovery Learning Experience (DLE)</td>
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<tr>
<td></td>
<td>Multicultural Course</td>
<td>3</td>
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University Breadth Requirements (9 credits)

(A minimum grade of C- is required for all University Breadths)

Creative Arts and Humanities

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History and Cultural Change

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Social and Behavioral Sciences

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Mathematics, Natural Sciences, and Technology

(MATH 210 fulfills this requirement)*

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*May require MATH 241 as prerequisite

**COLLEGE BREADTH REQUIREMENTS**

Agriculture and Natural Resources (3 approved areas not including APEC 100 and APEC 135) 9 credits

Physical Sciences

Courses must be taken from CHEM, PHYS, GEOL, or SCEN. (8 credits)

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* Credits for these courses should not be counted in the total number of credit hours as they have already been included elsewhere on this checksheet.

**MAJOR REQUIREMENTS**

(38 credits)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CR</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 212</td>
<td>Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 200 or 408</td>
<td>Basic Statistical Practice or Research Methods and Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 210</td>
<td>Discrete Mathematics I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 242^</td>
<td>Analytic Geom. &amp; Calc. B</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 243</td>
<td>Analytic Geom. &amp; Calc. C</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 245</td>
<td>An Introduction to Proof</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 349</td>
<td>Elementary Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 401</td>
<td>Introduction to Real Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 426</td>
<td>Introduction to Numerical Analysis &amp; Algorithms</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 470</td>
<td>Introduction to Statistical Analysis I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 471</td>
<td>Introduction to Statistical Analysis II</td>
<td>3</td>
<td></td>
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<tr>
<td>STAT 409</td>
<td>Regression and Experimental Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>APEC 409</td>
<td>Research Methods II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

^ May require MATH 241 as prerequisite

One of the following courses: (3 credits)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CR</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 611</td>
<td>Regression Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 615</td>
<td>Design and Analysis of Experiments</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 674</td>
<td>Applied Database Mgmt.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>APEC 615</td>
<td>Advanced Prices &amp; Stat.</td>
<td>3</td>
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</tr>
</tbody>
</table>

One of the following options (A, B, or C): (6-9 credits)

Option A (for students with previous experience with a programming language):

<table>
<thead>
<tr>
<th>COURSE</th>
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<th>CR</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISC 181</td>
<td>Intro. Computer Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CISC 220</td>
<td>Data Structures</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Options B and C (for students with no previous experience with programming language):

<table>
<thead>
<tr>
<th>COURSE</th>
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<th>CR</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISC 108</td>
<td>Intro. Comp. Science I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CISC 181(B) or CISC 120(C)</td>
<td>Intro Computer Science; C++ Programming</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CISC 220</td>
<td>Data Structures</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Comments:
All changes to requirements must be approved by the Advisor, Departmental Undergraduate Coordinator, and the Undergraduate Student Services Office.

MAJOR REQUIREMENTS CONT.

Second Approved Writing Requirement
Any three credit course satisfying the College of Arts and Sciences Second Writing Course requirement. Recommended courses are: ENGL 301, ENGL 312, ENGL 410, and ENGL 415.

Area of application Program outside of Statistics. This may be satisfied by completing an approved minor in Advertising, Business Administration, Economics, Resources Economics, Computer Science or Bioinformatics. Minors in Mathematics or Statistical Data Analytics may not be used. This may also be satisfied by completing a second major in Food and Agribusiness Marketing and Management, Actuarial Sciences, Marketing, Management, Economics, Environmental and Resource Economics, Operations Management, or Computer Science. Any other major or minor or selection of 15 credits requires the approval of the Chair.

ELECTIVES
See catalog for restrictions.

Minimum Credit Hours Required for Graduation = 124
Your Total Credit Hours: ____________

Other:
It is possible that courses taken to fulfill Major requirements also may be used to fulfill University or College requirements; check your catalog and with your advisor for restrictions. In the case that one course fulfills two requirements, be advised that the credits count only ONCE toward the overall total. For example, using HIST 103 to fulfill both the multicultural course and the History and Cultural Change breadth requirement may be allowed; however, only 3 credits are counted toward the degree total.