## APPENDIX 1

### Bachelor of Science Degree in Agricultural Education

**Skilled and Technical Sciences Teaching Option**

**Southeast Community College Associate of Science Program**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Semester Credits</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Semester Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 150</td>
<td>Writing: Rhetoric</td>
<td>3</td>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>4.5</td>
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<tr>
<td>ENGL 151</td>
<td>Rhetoric As Argument</td>
<td>3</td>
<td>ENGL 1020</td>
<td>Composition II</td>
<td>4.5</td>
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<tr>
<td>BSAD 220</td>
<td>Business Writing</td>
<td>3</td>
<td>OFFT 2120</td>
<td>Business Communication Strategies</td>
<td>4.5</td>
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<tr>
<td>COMM 100</td>
<td>Fundamentals of Human Communication</td>
<td>3</td>
<td>SPCH 1090</td>
<td>Fundamentals of Human Communication</td>
<td>4.5</td>
</tr>
<tr>
<td>COMM 200</td>
<td>Business and Professional Communication</td>
<td>3</td>
<td>SPCH 1110</td>
<td>Public Speaking</td>
<td>4.5</td>
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<tr>
<td>COMM 298</td>
<td>Fundamentals of Human Communication</td>
<td>3</td>
<td>SPCH 2190</td>
<td>Business &amp; Professional Communication</td>
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</tr>
<tr>
<td>STAT 218</td>
<td>Introduction to Statistics AND</td>
<td>3</td>
<td>MATH 1180</td>
<td>Elementary Statistics AND</td>
<td>4.5</td>
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<tr>
<td>STAT 219</td>
<td>Introduction to Statistics</td>
<td>3</td>
<td>MATH 2020</td>
<td>Contemporary Math OR</td>
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<tr>
<td>MATH 102</td>
<td>Trigonometry OR</td>
<td>2</td>
<td>MATH 1200</td>
<td>Trigonometry OR</td>
<td>4.5</td>
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<tr>
<td>MATH 103</td>
<td>College Algebra &amp; Trigonometry (2 cr. will apply toward MATH 102) OR</td>
<td>2</td>
<td>MATH 1300</td>
<td>Precalculus OR</td>
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</tr>
<tr>
<td>MATH 104</td>
<td>Applied Calculus</td>
<td>3</td>
<td>MATH 1400</td>
<td>Applied Calculus OR</td>
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</tr>
<tr>
<td>MATH 106</td>
<td>Calculus I</td>
<td>5</td>
<td>MATH 1600</td>
<td>Calculus &amp; Analytic Geometry I</td>
<td>7.5</td>
</tr>
<tr>
<td>LIFE 120/120L</td>
<td>Fundamentals of Biology I and Fundamentals of Biology I Lab</td>
<td>4</td>
<td>BIOS 1400</td>
<td>Biology I</td>
<td>6</td>
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<tr>
<td>CHEM 105</td>
<td>Chemistry in Context I OR</td>
<td>4</td>
<td>CHEM 1050</td>
<td>Chemistry &amp; The Citizen OR</td>
<td>6</td>
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<tr>
<td>CHEM 109</td>
<td>General Chemistry I</td>
<td>4</td>
<td>CHEM 1000</td>
<td>General Chemistry I</td>
<td>6</td>
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<td>PHYS 141</td>
<td>Elements of General Physics I OR</td>
<td>5</td>
<td>PHYS 1410</td>
<td>General Physics I OR</td>
<td>7.5</td>
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<td>Descriptive Physics</td>
<td>3/1GNCR</td>
<td>PHYS 1150</td>
<td>Descriptive Physics</td>
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</tbody>
</table>

### Ace Outcome 1 - NOTE: UNL will only accept 3 semester credits for the Skilled and Technical Sciences Teaching Option

- ENGL 150
- MATH 202
- MATH 103
- MATH 104
- MATH 106
- LIFE 120/120L

### Ace Outcome 2 - Select one course

-ENGL 1010
- OFFT 2120
- SPCH 1090
- SPCH 1110
- SPCH 2190

### Ace Outcome 3 - NOTE: CASNR needs 5 semester credits beyond College Algebra. Select one of the 2 series

- STAT 218 + MATH 1180
- MATH 102 + TRIGONOMETRY
- MATH 103 + College Algebra
- MATH 104 + Calculus
- MATH 106 + Calculus I
- PHYS 115 + Descriptive Physics

### Ace Outcome 4 - Select one course from two of the areas (Biology or Chemistry or Physics).

- LIFE 120/120L
- CHEM 105
- CHEM 109
- PHYS 141
- PHYS 115

### Ace Outcome 5, 7, 8 - NOTE: these outcomes will be taken at UNL and reversed transferred back to SCC to complete the Associate of Science degree.

- ECON 211
- ECON 212
- SOCI 217

### Ace Outcome 6

- Principles of Macroeconomics OR
- Principles of Microeconomics

### Ace Outcome 8

- Principles of Microeconomics

### Ace Outcome 9

- Principles of Macroeconomics OR
- Principles of Microeconomics

### Architecture and Construction:

- Basic Carpentry
- Advanced Carpentry
- Energy Construction

### Manufacturing:

- Basic Oxy-Acetylene/Shielded Metal Arc Theory and Lab
- Advanced Oxy-Acetylene/Shielded Metal Arc Techniques
- GMAWGTAW Theory & Lab
- GMAWGTAW Advanced Welding Techniques
- Basic Machine Tool

### Science, Technology, Engineering and Mathematics

- Introduction to Engineering Design
- Design Drafting Concepts
- Basic Computer Aided Drafting
- Electrical Fundamentals
- Introduction to Electronics and Automated Systems

### Transportation, Distribution, and Logistics

- Small Engines
- Auto Shop Safety and Repair

(60 Semester Hours or 90 Quarter Hours will transfer to UNL)  
Total Qtr. Hrs. for AS Degree: 90-96

Updated 6/16