## ADVANCED FOOD SCIENCE CONCENTRATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSN 444</td>
<td>Food Engineering</td>
<td>4</td>
</tr>
<tr>
<td>FSN 457</td>
<td>Food Science Senior Project - Scientific and Technical Writing Course</td>
<td>3</td>
</tr>
<tr>
<td>or FSN 458</td>
<td>Food Science Senior Project - Research</td>
<td></td>
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<tr>
<td>or FSN 459</td>
<td>Food Science Senior Project - Internship</td>
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</tr>
<tr>
<td>FSN 474</td>
<td>Advanced Food Processing</td>
<td>4</td>
</tr>
<tr>
<td>MATH 162</td>
<td>Calculus for the Life Sciences II</td>
<td>4</td>
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### Approved Electives

Select from the following: 8 units

- AEPS 421: Postharvest Technology of Horticultural Crops
- AGB 212: Agricultural Economics
- ASCI 211: Meat Science
- ASCI 415: HACCP for Meat and Poultry Operations
- ASCI 484: Processed Meat Products
- BUS 207: Legal Responsibilities of Business
- BUS 384: Human Resources Management
- CHEM 129: General Chemistry for Agriculture and Life Science III
- CHEM 217: Organic Chemistry II
- CHEM 218: Organic Chemistry III
- DSCI 230: General Dairy Husbandry
- DSCI 231: General Dairy Manufacturing
- DSCI 401: Physical and Chemical Properties of Dairy Products
- DSCI 444: Dairy Microbiology
- FSN 121: Fundamentals of Food
- FSN 201: Enterprise Project
- FSN 244: Cereal and Bakery Science
- FSN 304: Advanced Culinary Principles and Practice
- FSN 321: Contemporary Issues in Food Choice and Preparation
- FSN 340: Fermented Foods
- FSN 342: Brewing Science
- FSN 343: Foodservice Operations I
- FSN 346: Brewing Methods
- FSN 410: Nutritional Implications of Food Industry Practices
- FSN 426: Nutrition and Foodservice Systems Management
- FSN 490: Food Safety Modernization Act: Human Food Safety
- FSN 491: Food Safety Modernization Act: Produce Safety
- ITP 330: Packaging Fundamentals
- ITP 341: Packaging Polymers and Processing
- MCRO 320: Emerging Infectious Diseases

One quarter of foreign language 8 units

Total units: 23

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<tbody>
<tr>
<td>MCRO 342</td>
<td>Public Health Microbiology</td>
</tr>
<tr>
<td>POLS 333</td>
<td>World Food Systems</td>
</tr>
<tr>
<td>PSY 201</td>
<td>General Psychology</td>
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<tr>
<td>or PSY 202</td>
<td>General Psychology</td>
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