PRE-FOOD SCIENCE AND TECHNOLOGY - TRANSFER PROGRAM

Food Science and Technology students find career opportunities with food processing firms, government agencies, and educational institutions. Positions available to food science and technology graduates include new product development, quality assurance, food plant management, food research, food marketing and sales, food inspection, education, and extension. The curriculum includes a balance of courses in food science, biological sciences, physical sciences, mathematics, social sciences and humanities. Food science courses include food processing, food engineering, food analysis, food chemistry, food microbiology, nutrition and quality assurance. Five options are offered: science, technology, business, food service/nutrition, and international. A major in food technology for companion animals is also offered as a joint program with Animal Sciences. Students may participate in an internship program that provides summer employment in the food industry.

Requirements

The following list of courses are recommended for the first four semesters of a food science and technology transfer program.

**Degree Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSCI 1310</td>
<td>SCIENCE OF FOOD</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1450</td>
<td>BIOLOGY I</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 1750</td>
<td>BIOLOGY II</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4640</td>
<td>MICROBIAL PHYSIOLOGY (with Lab)</td>
<td>4</td>
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<tr>
<td>CHEM 1180 &amp; CHEM 1184</td>
<td>GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY</td>
<td>4</td>
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<tr>
<td>CHEM 1190 &amp; CHEM 1194</td>
<td>GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2250</td>
<td>ORGANIC CHEMISTRY I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2260</td>
<td>ORGANIC CHEMISTRY II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2274</td>
<td>ORGANIC CHEMISTRY LABORATORY</td>
<td>2</td>
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<tr>
<td>ECON 2200</td>
<td>PRINCIPLES OF ECONOMICS (MICRO)</td>
<td>3</td>
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</tbody>
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**English Composition**

Select one of the following:

- ENGL 1150 ENGLISH COMPOSITION I
- or ENGL 1154 ENGLISH COMPOSITION I
- ENGL 1160 ENGLISH COMPOSITION II
- or ENGL 1164 ENGLISH COMPOSITION II

**Mathematics**

- MATH 1320 PRE-CALCULUS ALGEBRA
- MATH 1330 TRIGONOMETRY
- MATH 1530 INTRODUCTION TO APPLIED PROBABILITY AND STATISTICS
- MATH 1930 CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES
- or MATH 1950 CALCULUS I

**Physics**

- PHYS 1110 GENERAL PHYSICS I WITH ALGEBRA
- & PHYS 1154 and GENERAL PHYSICS LABORATORY I
- CMST 1110 PUBLIC SPEAKING FUNDS

**ACE Electives**

- ACE 7 Course (Arts) Elective
- ACE 5 Course (History, Humanities) Elective
- ACE 9 (Global Awareness) Elective
- ACE 8 Course (Ethics, Stewardship) Elective
- Additional Electives Required or Recommended Courses

**Total Credits** 75-77

**Additional Information**

Hours earned in MATH 1320 will not count toward the mathematics requirements for UNL CASNR. Students are encouraged to use MATH 1320 as a free elective for their UNL CASNR program of study if they have an algebra deficiency. Students should complete their mathematics sequence at UNO. Since certain degrees require calculus, the student is encouraged to review the UNL Undergraduate Catalog for requirements in specific degrees of interest.

Required elective courses correlate to UNL Achievement-Centered Education Program categories; selected UNO courses in these categories should be verified for transfer approval prior to registration.