NUTRITION AND FOOD SCIENCE (B.S.)

This program is designed for science-oriented students who are interested in the various food and nutrition or other healthcare related professions. Students are prepared for these professions by the integration of chemistry and the biological sciences with courses in food science and nutrition. Employment opportunities may be found in various phases of food processing, research and development, public health, and community education, as well as in positions in state and federal regulatory agencies dealing with food products. The program provides good preparation for medical, dental or allied health school application. Students should consult an advisor for program planning.

Admission Requirements

Admission requirements for this program are satisfied by the general requirements for undergraduate admission (http://bulletins.wayne.edu/undergraduate/general-information/admission/) to the University. Students contemplating a major program in Nutrition and Food Science should consult with the undergraduate Departmental advisor as soon as possible, and no later than the beginning of the sophomore year. Transfer students should consult with the undergraduate departmental advisor during the semester prior to their transfer.

Program Requirements

Candidates must complete 120 credits in course work including satisfaction of the University General Education Requirements (http://bulletins.wayne.edu/undergraduate/general-information/general-education/) and the College of Liberal Arts and Sciences Group Requirements (http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/bachelors-degree-requirements/), as well as the departmental major requirements cited below. All course work must be completed in accordance with the regulations of the University (http://bulletins.wayne.edu/undergraduate/general-information/academic-regulations/) governing undergraduate scholarship and degrees.

Major Requirements

Students must complete seventy-six credits in science courses of which at least thirty-five must be in nutrition and food science. Core Courses are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1510 &amp; BIO 1511</td>
<td>Basic Life Mechanisms and Basic Life Mechanisms Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIO 2200</td>
<td>Introductory Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 2870</td>
<td>Anatomy and Physiology</td>
<td>5</td>
</tr>
<tr>
<td>CHM 1100</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 1130</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1140</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 1150</td>
<td>General Chemistry II Laboratory (pre-med/dental students only)</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1240</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 1250</td>
<td>Organic Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2220</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2230</td>
<td>Organic Chemistry II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MAT 1800</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
</tbody>
</table>

NFS 2030 Nutrition and Health | 3 |
NFS 2130 Introductory Food Science | 3 |
NFS 2140 Introductory Food Science Laboratory | 1 |
NFS 2220 Nutrition Laboratory | 1 |
NFS 3230 Human Nutrition | 3-4 |
NFS 4160 Food Laws and Regulations | 3 |
NFS 4230 Macronutrient Metabolism | 3 |
NFS 4231 Human Nutrition: Micronutrients | 3 |
NFS 5130 Food Chemistry | 3 |
NFS 5140 Laboratory Techniques in Nutrition and Food Science | 3 |
NFS 5250 Nutrition and Disease | 4 |
NFS 6850 Controversial Issues | 2 |

Additional three credits in upper division NFS courses | 3 |
PHY 2130 Physics for the Life Sciences I | 4 |
PHY 2131 Physics for the Life Sciences Laboratory | 1 |
PHY 2140 Physics for the Life Sciences II | 4 |
PHY 2141 Physics for the Life Sciences Laboratory | 1 |
STA 1020 Elementary Statistics | 3 |

Total Credits | 86-87

Nutrition and Food Science Honors Program

Admission: A minimum grade point average (g.p.a.) of 3.3 is required for enrollment in the Department of Nutrition and Food Science Honors program. Prospective Honors students should consult with an advisor in the Department during the freshman year. Transfer students or others with a Nutrition and Food Science g.p.a. of 3.5 may be accepted into the program without having taken the NFS 3230 Honors section.

Honors Requirements

1. Enroll in the Honors section of NFS 3230.
2. Complete at least one HON 42XX seminar.
3. Complete at least three credits in an independent research project (NFS 5990).
4. Complete at least fifteen credits in honors-designated course work, including the above. The additional course work may be obtained in this department by taking an Honors option of upper-level NFS courses, or in any other department of the College.

Students must have an overall grade point average of 3.3 and maintain an overall grade point average of at least 3.0 in the major to be awarded the Honors Degree.

'AGRADE' Program (Accelerated Graduate Enrollment)

Qualified seniors in Nutrition and Food Science having not less than a 3.5 g.p.a. may enroll simultaneously in the undergraduate and graduate program and apply a maximum of sixteen credits towards both the bachelor's and master's degrees in nutrition and food science. Students may apply for the program as soon as they complete ninety credits towards the undergraduate degree. Graduate courses taken as part of the 'AGRADE' Program are assessed undergraduate rate tuition. Contact the Department for further information.