

# 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/>) and the College (<http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/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:

Code	Title	Credits
<b>University Core Courses</b>		
BIO 1510 & BIO 1511	Basic Life Mechanisms and Basic Life Mechanisms Laboratory	4
BIO 2270 & BIO 2271	Principles of Microbiology and Principles of Microbiology Lab	5
BIO 2870	Anatomy and Physiology	5
CHM 1100 & CHM 1130	General Chemistry I and General Chemistry I Laboratory	5
CHM 1140 & CHM 1150	General Chemistry II and General Chemistry II Laboratory	5
CHM 1240 & CHM 1250	Organic Chemistry I and Organic Chemistry I Laboratory	5
CHM 2220 & CHM 2230	Organic Chemistry II and Organic Chemistry II Laboratory	5
MAT 1800	Elementary Functions	4
NFS 2030	Nutrition and Health	3

NFS 2130 & NFS 2140	Introductory Food Science and Introductory Food Science Laboratory	4
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 & PHY 2131	Physics for the Life Sciences I and Physics for the Life Sciences Laboratory	5
PHY 2140 & PHY 2141	Physics for the Life Sciences II and Physics for the Life Sciences Laboratory	5
STA 1020	Elementary Statistics	3
<b>Total Credits</b>		<b>86-87</b>

## 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.