NUTRITION SCIENCE, BS

Contact

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Description

The 124 credit B.S. degree program in nutrition science emphasizes the biological and physical sciences. In addition to nutrition in health, medical nutrition therapy, and advanced nutrition, studies include work in general and organic chemistry, biology, physiology, and biochemistry.

Intra-University Transfers

Transfer applicants must schedule an interview with Dr. Margaret Voss, Undergraduate Program Director, to review admission requirements.

Student Learning Outcomes

Upon completion of the program, students will be able to:

1. Locate, interpret, evaluate, and use professional literature.
2. Identify and explain research designs, and statistical analysis methods.
3. Select and use appropriate current information technology to locate and apply evidence-based guidelines and protocols.
4. Demonstrate effective, assertive, and professional oral and written communication and documentation skills.
5. Assess nutrition parameters, determine appropriate nutrition interventions, and develop plans to monitor the effectiveness of those interventions.
6. Diagram and describe the role of macronutrient metabolism in the maintenance of health and prevention of disease.
7. Recall and diagram the role of vitamins and minerals in the maintenance of macronutrient metabolism for health and disease prevention.

Code	Title	Credits
Required Courses		
Communication Skills		
WRT 105	Studio 1: Practices of Academic Writing	3
WRT 205	Studio 2: Critical Research and Writing	3
Quantitative Skills		
MAT 121	Probability and Statistics for the Liberal Arts I	4
or MAT 221	Elementary Probability and Statistics I	
Natural Science		
BIO 121	General Biology I	3
BIO 122	General Biology I Laboratory	1
BIO 123	General Biology II	3
BIO 124	General Biology II Laboratory	1
BIO 216	Anatomy & Physiology I	4
BIO 217	Anatomy and Physiology II	4
CHE 106	General Chemistry Lecture I	3
CHE 107	General Chemistry Laboratory I	1
CHE 116	General Chemistry Lecture II	3
CHE 117	General Chemistry Laboratory II	1
CHE 275	Organic Chemistry I	3
CHE 276	Organic Chemistry I Laboratory	2
CHE 325	Organic Chemistry II	3
CHE 326	Organic Chemistry II Laboratory	2
Select one of the following:		4-6
NSD 456	Nutritional Biochemistry	
BCM 475 & BCM 476	Biochemistry I and Biochemistry II	
Social Science		
Select six additional credits of social science courses		6
PSY 205	Foundations of Human Behavior	3
Humanities or Foreign Language		
Note: all 8 credits of foreign language must be in one language		6-8
University Requirement		
In addition to FYS 101, the BS in Nutrition Science requires completion of an IDEA course (chosen from a select list) - The IDEA course may count as a liberal arts, departmental course, or elective depending on the course chosen. Please see the undergraduate course catalog for a full listing of IDEA courses.		
FYS 101	First Year Seminar	1
Program Requirements		
NSD 225	Nutrition in Health	3
NSD 342	Nutrition in the Life Span	3
NSD 457	Research and Evaluation in Nutrition	3
NSD 466	Nutritional Biochemistry II	3
NSD 481	Clinical Nutrition Therapy I	3
Nutrition Electives		
Nutrition electives (14 credits) 9 credits must be ≥ 300 level		14
Electives to complete 124 degree applicable credits		
Electives to complete 124 degree applicable credits		
Total Credits		**93-97**

Degree Requirements

Degree requires a 3-credit Writing Intensive course and 3 credits of Critical Reflections.

The Writing Intensive and Critical Reflections courses may meet a Humanities, Social Science, or elective requirement. Note that some courses may satisfy both the Writing Intensive and Critical Reflections requirement. For a listing of Writing Intensive and Critical Reflection courses, please consult the Liberal Arts Core Guidebook.

Degree Awarded: BS

Study Abroad

Given the structured nature of the Nutrition Science major, advance planning and working with your advisor makes it possible to study abroad for a whole semester or summer. We also offer a variety of nutrition-tailored study abroad short-term experiences.

Note

In addition to above requirements, pre-med and allied health students are required to complete additional courses in genetics, cell biology, physics and mathematics according to the recommendations of the Health Professions Advisory Program. The structure of the Nutrition Science B.S.

is particularly suited to serve as a primary major for the Neuroscience Integrated Learning Major (ILM) or the Health Humanities ILM.

Undergraduate University Requirements
The following requirements and experiences apply to all Syracuse University Undergraduate matriculated degree programs.

- IDEA Course Requirement (https://coursecatalog.syracuse.edu/undergraduate/idea-course-requirement/)
- First Year Seminar (https://coursecatalog.syracuse.edu/undergraduate/courses/fys/)