

Bachelor of Science in Nutrition Science

Department of Nutrition

303.615.0990

Students who attain a Bachelor of Science degree with a major in Nutrition Science, will be prepared for graduate level nutrition/food science study or professional health programs (e.g. physician assistant, medical doctor, physical therapy).

Students must earn a grade of “C-” or better in all courses required for the major in order to progress through the program. Courses with grades less than “C-” will need to be repeated in order for the student to take any other courses for which the first course is a prerequisite. All general requirements of the University for a Bachelor of Science degree must be met prior to graduation. In addition, students must maintain a minimum cumulative GPA of 2.0 or higher in the NS major.

The Bachelor of Science degree with a major in Nutrition Science will not meet educational requirements for qualification as a registered dietitian nutritionist (RDN). Specific coursework from an accredited institution, an approved internship, and passing a national exam are all requirements to obtain the RDN credential.

The Nutrition Science major is housed in the Nutrition Department. Students enrolling in the major must confer with a department advisor as soon as possible. For more information, call 303-615-0990.

General Studies Course Requirements

| | |
|---|-----------|
| <u>Quantitative Literacy (3 hours required for graduation; 4 hours required by major):</u> | |
| MTH 1210 Introduction to Statistics | 4 |
| <u>Written Communication (6 hours required):</u> | |
| (Courses chosen by student) | 6 |
| <u>Oral Communication (3 hours required):</u> | |
| (Course chosen by student) | 3 |
| <u>Historical (3 hours required; also see Global Diversity requirement below):</u> | |
| (Course chosen by student) ** | 3 |
| <u>Arts and Humanities (6 hours required; also see Global Diversity requirement below):</u> | |
| (Courses chosen by student) ** | 6 |
| <u>Natural and Physical Sciences (6 hours required for graduation; 9 hours required by major):</u> | |
| BIO 1080 General Biology I | 3 |
| BIO 1090 General Biology Laboratory I | 1 |
| CHE 1800 General Chemistry I | 4 |
| CHE 1801 General Chemistry Laboratory I | 1 |
| <u>Social and Behavioral Sciences (6 hours required; also see Global Diversity requirement below):</u> | |
| PSY 1001 Introductory Psychology | 3 |
| (Courses chosen by student) ** | 3 |
| <u>Global Diversity (3 hours required):</u> | |
| Nutrition Science majors may fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; or social and behavioral sciences I. If a course is used to fulfill both the global diversity requirement and another general studies category, only 3 semester hours will apply to the student’s degree requirements. | |
| | (3) |
| Total general studies hours for major | 37 |

Nutrition Science Major for Bachelor of Science

| REQUIRED COURSES | SEMESTER HOURS |
|--|----------------|
| BIO 1081 General Biology II | 3 |
| BIO 1091 General Biology II Lab | 1 |
| BIO 2310 Human Anatomy and Physiology I | 4 |
| BIO 2320 Human Anatomy and Physiology II | 4 |
| CHE 1810 General Chemistry II | 4 |
| CHE 1811 General Chemistry II Lab | 1 |
| CHE 3100 Organic Chemistry I | 4 |
| CHE 3120 Organic Chemistry I Lab | 1 |
| CHE 3110 Organic Chemistry II | 4 |
| CHE 3130 Organic Chemistry II Lab | 1 |
| CHE 4310 Biochemistry I | 4 |
| MTH 1110 College Algebra for Calculus | 3 |
| MTH 1120 College Trigonometry | 3 |
| NUT 2040 Introduction to Nutrition | 3 |
| NUT 3150 Advanced Nutrition – Macronutrients | 3 |
| NUT 3160 Advanced Nutrition – Micronutrients | 3 |
| NUT 4200 Lifecycle Nutrition for Majors | 3 |
| NUT 4800 Medical Nutrition Therapy I | 4 |
| PHY 2010 College Physics I | 4 |
| PHY 2030 College Physics I Lab | 1 |
| PHY 2020 College Physics II | 4 |
| PHY 2040 College Physics II Lab | 1 |

| SELECT TWO OF THE FOLLOWING: | SEMESTER HOURS |
|---|----------------|
| NUT 3200 Nutrition & Sports Performance | 3 |
| NUT 3300* Cultural Aspects of Nutrition | 3 |
| NUT 3350 Global Nutrition and Health | 3 |
| NUT 3400 Nutrition and Weight Management | 3 |
| NUT 3500 Food Safety | 3 |
| NUT 3700 Nutrition Education and Counseling | 3 |
| Total hours for major | 69 |

* This course satisfies the Multicultural requirement.

**One of these courses must satisfy the Global Diversity requirement.

SUGGESTED ELECTIVES INCLUDE:

| | |
|----------|---|
| BIO 2400 | General Microbiology (required for some grad level food science programs) |
| BIO 3050 | Cell and Molecular Biology |
| BIO 3600 | General Genetics |
| CHE 4960 | Senior Experience in Biochemistry |
| HON 4950 | Senior Honors Thesis |
| MTH 1410 | Calculus (required for many grad level food science programs) |
| NUT 4720 | Pre-Professional Seminar |

*Electives must include 5 credit hours of upper division coursework and coursework satisfying the Senior Experience graduation requirement.

Degree Totals:

| | |
|-----------------------------------|----|
| Credit hours for major | 69 |
| Credits hours for general studies | 37 |
| Credit hours for electives | 14 |

Total Credit Hours 120

What Can I do with A Bachelor's Degree in NUTRITION SCIENCE?

PUBLIC HEALTH NUTRITION: Work to safeguard the health of groups of people by working in federal, state, and local government agencies, such as Peace Corps and WIC or private public health programs

INDUSTRY: Work with food and nutrition-oriented companies to formulate new food products, develop marketing campaigns, and provide health programs

CONSULTING: Build your own health and nutrition business providing nutritional counseling, education and programming, writing and communications

TEACHING: Provide nutrition education in community, wellness, school and healthcare settings.

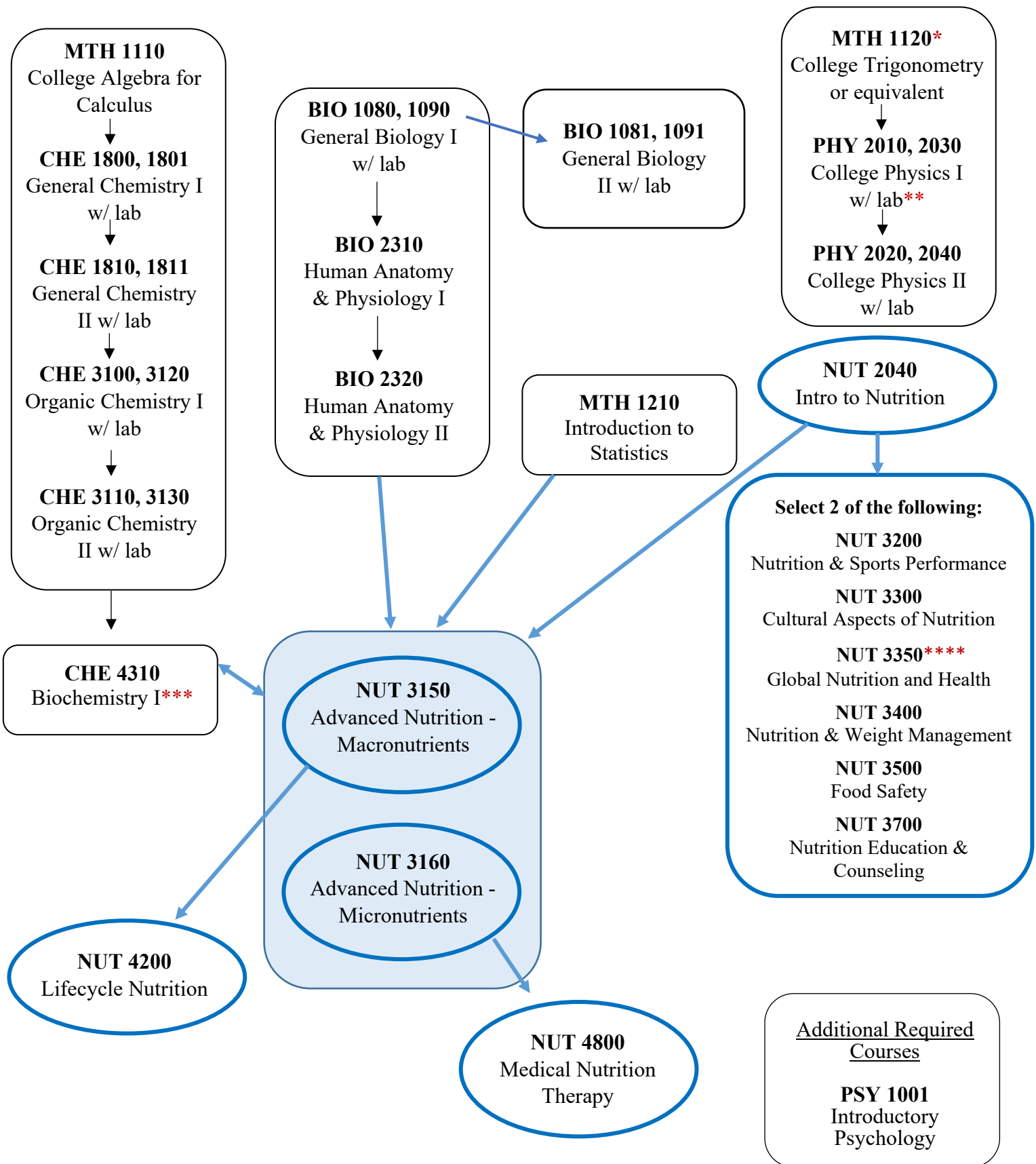
ADVANCED DEGREE: Pursue advanced post-graduate study in Food Science, Nutrition Science, Medical School, Physician Assistant programs, etc.

RESEARCH: Work in nutrition and/or health research including research program management or grant writing.

For more information, please visit msudenver.edu/nutrition or schedule an appointment with a nutrition advisor 303-615-0990

Nutrition Science Degree Pathway

Catalog 2021-2022



*MTH 1110 or equivalent required for MTH 1120

**ENG 1010 or the General Studies requirement in Oral Communication is a prerequisite for PHY 2010

***CHE 4310 can be taken prior to or in the same semester as NUT 3150 or NUT 3160

**** This course does not satisfy the Global Diversity requirement for majors