**Food Science and Human Nutrition Major**

**Nutrition Concentration Curriculum**

2025-2026

 ***Freshman Year Sophomore Year***

Fall Semester

BIOL 1030 General Biol I ***and*** 3

BIOL 1050 General Biol Lab I ***or*** 1

 BIOL 1100 Principles of Biology I 4

 BIOL 1101 Principles of Biology 1 Lab 0

CH 1010 General Chemistry ***and*** 4

CH 1011 General Chemistry Lab 0

ENGL 1030 Composition & Rhetoric ***and*** 3

ENGL 1031 Composition & Rhetoric Lab 0

NUTR 1010 Intro to FDSC & NUTR 1

MATH 1020 Business Calculus I ***or*** 3

 MATH 1060 Calculus of One Var I 4

 **15-16**

Spring Semester

BIOL 1040 General Biology II ***and*** 3

BIOL 1060 General Biology II Lab or 1

 BIOL 1110 Principles of Biology II 4

 BIOL 1111 Principles of Biology II Lab 0

CH 1020 General Chemistry ***and*** 4

CH 1021 General Chemistry Lab 0

PSYC 2010 Intro to Psychology 3

Oral Communication Requirement 1 3

Social Science Requirement1 3

 **17**

Fall Semester

BIOL 2220 Human Anatomy & Phys I 4

BIOL 2221 Human Anatomy & Phys I Lab 0

CH 2230 Organic Chemistry ***and*** 3

CH 2270 Organic Chemistry Lab 1

ECON 2000 Economic Concepts ***or*** 3

 ECON 2110 Princip of Microeconomics ***or*** 3

 ECON 2120 Princip of Macroeconomics 3

NUTR 2030 Intro to Princip of Human Nutr 3

NUTR 2160 Evidence-Based Nutrition 2

 **16**

Spring Semester

BCHM 3050 Essen Elem of Biochemistry 3

BIOL 2230 Human Anatomy & Phys II 4

BIOL 2231 Human Anatomy & Phys II Lab 0

MGT 2010 Principles of Management 3

NUTR 2040 Nutrition Across the Life Cycle 3

STAT 2300 Statistical Methods I 3

STAT 2301 Statistical Methods I Lab 0

 **16**

 ***Junior Year Senior Year***

Fall Semester

ACCT 2010 Financial Acct Concepts ***or*** 3

 ACCT 2020 Managerial Acct Concepts 3

FDSC 4500 Creative Inquiry 1

MICR 3050 General Microbiology ***and*** 3

MICR 3060 General Microbiology Lab 1

NUTR 3020 Nutrition Assessment 4

NUTR 3021 Nutrition Assessment Lab 0

NUTR 4510 Human Nutr & Metabolism I 3

 **15**

Spring Semester

FDSC 2010 Introduction to Food ***or*** 3

 FNPS 2140 Food Resources & Soc 3

FDSC 4500 Creative Inquiry 1

MICR 4070 Food and Dairy Micro ***and*** 4

MICR 4071 Food and Dairy Micro Lab 0

NUTR 3010 Food and Culture 3

NUTR 4550 Human Nutr & Metabolism II 3

NUTR 4190 Profess Dev in Nutrition2 1

 **15**Fall Semester

ENGL(PCID) 3040 Business Writing ***or*** 3

 ENGL 3140 (PCID) Technical Writing 3

Arts &Humanities (Lit) Requirement1 3

Emphasis Area Requirements3 7-8

Global Challenges Requirement1 3

 **16-17**

Spring Semester

NUTR 4260 Community Nutrition 3

Arts &Humanities (Non-Lit) Requirement1 3

Emphasis Area Requirements3 9

 **15**

125-127 TOTAL SEMESTER HOURS

1 See [General Education Requirements](https://clemson.acalogadmin.com/preview/preview_program.php?catoid=35&poid=8869). Three of these credits must also satisfy the South Carolina REACH Act Requirement. See the South Carolina REACH Act Requirement in the [Academic Regulations](https://clemson.acalogadmin.com/preview/content.php?catoid=35&navoid=1090) section. A transfer course may not be used to satisfy the General Education Global Challenges Requirement. While a transfer course may fulfill other degree requirements, students must enroll in a Clemson course(s) on the Global Challenges list to fulfill the Global Challenges Requirement.

2 NUTR 4180 is required for the Dietetics emphasis, and NUTR 4190 is required for students in all other emphasis areas.

3 See advisor; Completion of an emphasis is required for the concentration. The approved course list for the four emphasis areas is available in the department undergraduate student handbook or the department office. Emphasis areas consist of 17 or 18 credits selected from one of the following areas: Dietetics, Basic and Behavioral Science, Community Health and Wellness, and Food Industry. To be accepted into the Dietetics emphasis area, students must have a minimum GPA of 3.2, have earned a C or better in science and social science coursework, and a B or better in food science and nutrition coursework. Refer to the Dietetics Program Admission Policy in the FNPS undergraduate student handbook for details.

**IMPORTANT:** Make note of all pre-requisites and co-requisites associated with specific courses as indicated in the course catalog. If the curriculum is not followed as outlined, it may impair one’s ability to progress through the curriculum or pass with a specified grade. Most courses within the major are offered one time per year as outlined above. If the required courses are not taken at the appropriate time as outlined in the curriculum map, the student will assume the potential risk of not graduating on time.

**Food Science and Human Nutrition Major**

**Nutrition Concentration Curriculum**

**Dietetics Emphasis2,3**

2025-2026

 ***Freshman Year Sophomore Year***

Fall Semester

BIOL 1030 General Biol I ***and*** 3

BIOL 1050 General Biol Lab I ***or*** 1

 BIOL 1100 Principles of Biology I 4

 BIOL 1101 Principles of Biology 1 Lab 0

CH 1010 General Chemistry ***and*** 4

CH 1011 General Chemistry Lab 0

ENGL 1030 Composition & Rhetoric ***and*** 3

ENGL 1031 Composition & Rhetoric Lab 0

NUTR 1010 Intro to FDSC & NUTR 1

MATH 1020 Business Calculus I ***or*** 3

 MATH 1060 Calculus of One Var I 4

 **15-16**

Spring Semester

BIOL 1040 General Biology II ***and*** 3

BIOL 1060 General Biology II Lab or 1

 BIOL 1110 Principles of Biology II 4

 BIOL 1111 Principles of Biology II Lab 0

CH 1020 General Chemistry ***and*** 4

CH 1021 General Chemistry Lab 0

PSYC 2010 Intro to Psychology 3

Oral Communication Requirement 1 3

Social Science Requirement 1 3

 **17**

Fall Semester

BIOL 2220 Human Anatomy & Phys I 4

BIOL 2221 Human Anatomy & Phys I Lab 0

CH 2230 Organic Chemistry ***and*** 3

CH 2270 Organic Chemistry Lab 1

ECON 2000 Economic Concepts ***or*** 3

 ECON 2110 Princip of Microeconomics ***or*** 3

 ECON 2120 Princip of Macroeconomics 3

NUTR 2030 Intro to Princip of Human Nutr 3

NUTR 2160 Evidence-Based Nutrition 2

 **16**

Spring Semester

BCHM 3050 Essen Elem of Biochemistry 3

BIOL 2230 Human Anatomy & Phys II 4

BIOL 2231 Human Anatomy & Phys II Lab 0

MGT 2010 Principles of Management 3

NUTR 2040 Nutrition Across the Life Cycle 3

STAT 2300 Statistical Methods I 3

STAT 2301 Statistical Methods I Lab 0

 **16**

 ***Junior Year Senior Year***

Fall Semester

ACCT 2010 Financial Acct Concepts ***or*** 3

 ACCT 2020 Managerial Acct Concepts 3

FDSC 4500 Creative Inquiry 1

MICR 3050 General Microbiology ***and*** 3

MICR 3060 General Microbiology Lab 1

NUTR 3020 Nutrition Assessment 4

NUTR 3021 Nutrition Assessment Lab 0

NUTR 4510 Human Nutr & Metabolism I 3

 **15**

Spring Semester

FDSC 2010 Introduction to Food ***or 3***

 FNPS 2140 Food Resources & Soc 3

FDSC 4500 Creative Inquiry 1

MICR 4070 Food and Dairy Micro ***and*** 4

MICR 4071 Food and Dairy Micro Lab 0

NUTR 3010 Food and Culture 3

NUTR 4550 Human Nutr & Metabolism II 3

NUTR 4180 Profess Dev in Dietetics 1

 **15**Fall Semester

ENGL (PCID) 3040 Business Writing ***or*** 3

 ENGL (PCID) 3140Technical Writing 3

FDSC 3060 Inst Food Service Mgt 3

NUTR 4240 Medical Nutr Therapy I 3

Arts &Humanities (Lit) Requirement1 3

Global Challenges Requirement1 3

Emphasis Area Requirement 2-3

 17-18

Spring Semester

NUTR 4260 Community Nutrition 3

NUTR 4250 Medical Nutr Therapy II 3

NUTR 4070 Quantity Food Production 3

NUTR 4071 Quantity Food Prod Lab 0

NUTR 4270 Nutrition Counseling 2

Arts &Humanities (Non-Lit) Requirement1 3

 **14**

125-127 TOTAL SEMESTER HOURS

1See General Education requirements. Three of these credits must also satisfy the South Carolina REACH Act Requirement. See the South Carolina REACH Act Requirement in the [Academic Regulations](https://clemson.acalogadmin.com/preview/content.php?catoid=35&navoid=1090) section of the catalog. A transfer course may not be used to satisfy the General Education Global Challenges Requirement. While a transfer course may fulfill other degree requirements, students must enroll in a Clemson course(s) on the Global Challenges list to fulfill the Global Challenges Requirement.

2The Dietetics Emphasis is the only emphasis area within the B.S. in Food Science and Human Nutrition degree program to be accredited as a Didactic Program in Dietetics (DPD) by the Accreditation Council for Education in Nutrition and Dietetics (ACEND®). Only students who complete the Dietetics Emphasis in accordance with the Dietetics Program Declaration of Intent and Verification Statement Policy (refer to FNPS undergraduate student handbook for details) are eligible to receive a Verification Statement. A Verification Statement is required for acceptance into an ACEND®-accredited Dietetic Internship (DI). Completion of a DPD + DI are required for eligibility to sit for the Registration Examination for Dietitians to become a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN).

3To be accepted into the Dietetics Emphasis, students must meet a minimum GPA of 3.20, complete 60 credit hours, achieve a C or better in science and social science coursework and B or better in food science and nutrition coursework. Refer to the Dietetics Program Admission Policy in the FNPS undergraduate student handbook for details.

**IMPORTANT:** Make note of all pre-requisites and co-requisites associated with specific courses as indicated in the course catalog. If the curriculum is not followed as outlined, it may impair one’s ability to progress through the curriculum or pass with a specified grade. Most courses within the major are offered one time per year as outlined above. If required courses are not taken at the appropriate time as outlined in the curriculum map, the student will assume the potential risk of not graduating on time.

**FOOD SCIENCE AND HUMAN NUTRITION MAJOR**

**NUTRITION CONCENTRATION – EMPHASIS AREA COURSE LIST**

**2025-2026**

Students who select the Nutrition Concentration are required to focus their program of study on one of four emphasis areas: (1) Dietetics; (2) Basic and Behavioral Science; (3) Community Health and Wellness; or (4) Food Industry. The Dietetics emphasis prepares students for an ACEND®-accredited dietetic internship program to become a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN). The curriculum for the Nutrition Concentration with a Dietetics emphasis is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND®) as a Didactic Program in Dietetics (DPD). The Basic and Behavioral Science emphasis prepares students for graduate study in nutrition and health professions. The Community Health and Wellness emphasis prepares students for careers in community nutrition interacting with healthy populations. The Food Industry emphasis allows students to pair nutrition and food science knowledge for job opportunities in food product development or food service management.

Each emphasis consists of 17 or 18 credits of coursework selected in consultation with one’s academic advisor. Completion of 17 or 18 credits in an emphasis area is required for completion of the Nutrition Concentration. All Nutrition Concentration students regardless of emphasis area must complete 1 credit of professional development coursework, either NUTR 4180 Professional Development in Dietetics (dietetics emphasis only) or NUTR 4190 Professional Development in Nutrition. The remaining 16 or 17 credits in an emphasis area should be selected from the suggested emphasis area course list as outlined below. Additional courses not listed below may be applied to the emphasis area as approved by one’s academic advisor, but the advisor does not have the final decision. The final decision will be approved by other faculty, such as the department chair and the associate dean of academics-CAFLS and dean-CAFLS. Students are encouraged to choose their emphasis area by the beginning of spring semester of the sophomore year to allow one to graduate in a timely manner. Completion of a Change of Academic Program form is required for officially declaring an emphasis area. **Check prerequisites for all classes.**

**DIETETICS EMPHASIS1**

Students **must** complete each of the following courses:

**NUTR 4180 Professional Development in Dietetics2 – 1**

FDSC 3060 Institutional Food Service Management – 3

NUTR 4070/4071 Quantity Food Production and Lab – 3

NUTR 4240 Medical Nutrition Therapy I – 3

NUTR 4250 Medical Nutrition Therapy II – 3

NUTR 4270 Nutrition Counseling – 2

**AND three additional credits selected from:**

HLTH 2020 Introduction to Public Health – 3

HLTH 2030 Overview of Health Care Systems – 3

HLTH 2600 Medical Terminology and Communication – 3

NUTR 2100 Nutrition and Physical Activity – 3

PSYC 3400 Lifespan Developmental Psychology – 3

PSYC 3830 Abnormal Psychology – 3

**FOOD SCIENCE AND HUMAN NUTRITION MAJOR**

**NUTRITION CONCENTRATION – EMPHASIS AREA COURSE LIST (continued)**

**2025-2026**

**BASIC AND BEHAVIORAL SCIENCE EMPHASIS**

**NUTR 4190 Professional Development in Nutrition3 – 1**

AGRB (HLTH) 3610 Introduction to Health Care Economics – 3

BIOL 4780 Exercise Physiology - 3

CH 2240/2280 Organic Chemistry and Lab – 4

FDSC 4500 Creative Inquiry – 1

GEN 3000 Fundamental Genetics – 3

\*HLTH 2020 Introduction to Public Health5 – 3

\*HLTH 2030 Overview of Health Care Systems5 – 3

HLTH 2600 Medical Terminology and Communication – 3

\*HLTH 3800 Epidemiology5 – 3

NUTR 2100 Nutrition and Physical Activity – 3

PHYS 2070/2090 Physics I and Lab – 4

PHYS 2080/2100 Physics II and Lab – 4

PSYC 3400 Lifespan Developmental Psychology4 – 3

PSYC 3830 Abnormal Psychology4– 3

SOC 2010 Introduction to Sociology – 3

\*SOC 3600 Social Class and Poverty – 3

STAT 3300 Statistical Methods II – 3

\*Course must be taken online

**COMMUNITY HEALTH AND WELLNESS EMPHASIS**

**NUTR 4190 Professional Development in Nutrition3 – 1**

BIOL 2030 Human Disease & Society – 3

BIOL 4780 Exercise Physiology - 3

COMM 2090 Communication Across Media Platforms – 3

ELE 3010 Entrepreneurial Foundations4 – 3

FDSC 4500 Creative Inquiry – 1

\*HLTH 2020 Introduction to Public Health5 – 3

\*HLTH 2030 Overview of Health Care Systems5 – 3

HLTH 2600 Medical Terminology and Communication – 3

HLTH 2980 Human Health and Disease – 3

\*HLTH 3800 Epidemiology5 – 3

MICR 4000 Public Health Microbiology – 3

MICR 4160 Introductory Virology – 3

MKT 3010 Principles of Marketing4 – 3

NUTR 2100 Nutrition and Physical Activity – 3

PSYC 3400 Lifespan Developmental Psychology4 – 3

PSYC 3450 Adulthood and Aging4 – 3

PSYC 4800 Health Psychology4 – 3

SOC 2010 Introduction to Sociology – 3

SOC 2020 Social Problems – 3

SOC 3600 Social Class and Poverty4 – 3

STAT 3300 Statistical Methods II – 3

\*Course must be taken online

**FOOD SCIENCE AND HUMAN NUTRITION MAJOR**

**NUTRITION CONCENTRATION – EMPHASIS AREA COURSE LIST (continued)**

**2025-2026**

**FOOD INDUSTRY EMPHASIS**

**NUTR 4190 Professional Development in Nutrition3 – 1**

FDSC 3070 Restaurant Food Service Management – 3

FDSC 4010 Food Chemistry I – 3

FDSC 4020 Food Chemistry II – 3

FDSC 4030 Food Chemistry & Analysis – 2

FDSC 4090 TQM Food & Package Industries – 3

FDSC 4100 Food Product Development – 4

FDSC 4500 Creative Inquiry – 1

NUTR 4070/4071 Quantity Food Production and Lab – 3

1To be accepted into the Dietetics Emphasis, students must meet a minimum GPA of 3.20, complete 60 credit hours, achieve a C or better in science and social science coursework and B or better in food science and nutrition coursework. Refer to the Dietetics Program Admission Policy in the department undergraduate student handbook for details.

2Required emphasis area course for all Dietetics emphasis students.

3Required emphasis area course for all Basic and Behavioral Science, Community Health and Wellness, and Food Industry emphasis students.

4CBBS course fee applies when taking this course.

5Completion of all three courses is required to obtain a Public Health Certificate (online) through the Department of Public Health Sciences. A minimum average GPR 2.5 for the three courses and course completion with a grade of D or better required