
The Bachelor of Science in Nutritional Sciences (BSNS) program will be focused on graduating students with exceptional knowledge and skills in wellness and nutrition. The BSNS is designed to prepare students for nutritional sciences careers and position them to pursue higher education at the levels of Masters and PhD in Nutritional Sciences, MSCPD (Cooperative program in Dietetics) and related field at UTRGV and other Higher Education Institutions within Texas. Nutritionists are experts in the use of nutrition and food to promote health and wellness.

A – GENERAL EDUCATION CORE – 42 HOURS

Students must fulfill the General Education Core requirements. The courses listed below satisfy both degree requirements and General Education core requirements.

Required

020 - Mathematics – 3 hours

MATH 1343 Introduction to Biostatistics (or MATH 1388 Honors)

030 - Life and Physical Sciences – 6 hours

CHEM 1311 General Chemistry I

CHEM 1312 General Chemistry II

040 - Language, Philosophy & Culture – 3 hours

Choose One:

PHIL 1301 Introduction to Philosophy (or PHIL 1387 Honors)

PHIL 1310 Ethics, Happiness, and the Good Life

PHIL 1366 Philosophy and History of Science and Technology

080 - Social and Behavioral Sciences – 3 hours

Choose one:

ANTH 2351 Introduction to Cultural Anthropology

PSYC 2301 General Psychology

090 - Integrative and Experiential Learning – 6 hours

CHEM 1111 General Chemistry I Lab

CHEM 1112 General Chemistry II Lab

BIOL 1406 General Biology I (or BIOL 1487 Honors) one-credit hour lab

Choose One:

COMM 1311 Introduction to Communication

CSCI 1380 Computer Science I

B – MAJOR REQUIREMENTS – 78 HOURS (42 advanced)

1 – Nutritional Sciences Foundation Courses – 59 hours (30 advanced)

BIOL 1406 General Biology I (or BIOL 1487 Honors) three-credit hours lecture

BIOL 1407 General Biology II (or BIOL 1488 Honors)

BIOL 2401 Anatomy and Physiology I

BIOL 2402 Anatomy and Physiology II

HRPT 2303 Medical Terminology

CHEM 2323 Organic Chemistry I

CHEM 2123 Organic Chemistry I Lab

NUTR 2351 Introduction to Clinical Nutrition

NUTR 2401 Food and Clinical Pathogens

CHEM 3320 Nutritional and Exercise Biochemistry

CHEM 3120 Nutritional and Exercise Biochemistry Lab

PHAR 3300 Introduction to Pharmacology

IPCP 3320 Foundation of Inter-professional Education

NUTR 3255 Multicultural Foods

NUTR 3456 Experimental Foods

NUTR 3350 Integrative Nutrition & Nutrigenomics

NUTR 3452 Food Preparation

NUTR 4210 Nutritional Education and Counseling

NUTR 4259 Introduction to Community Nutrition

NUTR 4357 Research Methods in Nutrition

2 – Concentration – 19 hours (12 advanced minimum)

a. Nutrition Concentration – 19 hours (15 advanced)

NUTR 2315 Introduction to Veterinary Nutrition
NUTR 2125 Nutritional Assessment
NUTR 3301 Advanced Veterinary Nutrition
NUTR 3454 Food Systems Management
NUTR 3457 Medical Nutrition Therapy I
NUTR 3458 Medical Nutrition Therapy II

b. Food Technology and Management Concentration –19 hours (12 advanced)

NUTR 2315 Introduction to Veterinary Nutrition
CHEM 2301 Analytical Chemistry
CHEM 2101 Analytical Chemistry Lab
NUTR 3301 Advanced Veterinary Nutrition
NUTR 3454 Food Systems Management
NUTR 3201 Phytochemicals and Herbal Medicine and Nutrition
NUTR 3200 Food Product Development
NUTR 3102 Functional Foods and Nutraceuticals

c. Nutrition and Fitness Concentration – 19 hours (19 advanced)

KINE 3353 Physiology of Exercise
KINE 3360 Exercise Testing and Prescription
KINE 3160 Exercise Testing and Prescription Lab
KINE 3365 Physiology and Techniques of Strength/Power Fitness
KINE 4310 Measurement Techniques in Physical Exercise and Sport
KINE 4355 Pediatric Exercise Physiology
KINE 4360 Clinical Exercise Physiology

d. Honors Concentration – 19 hours (12 advanced)

NUTR 2315 Introduction to Veterinary Nutrition
CHEM 2301 Analytical Chemistry
CHEM 2101 Analytical Chemistry Lab
NUTR 3301 Advanced Veterinary Nutrition
NUTR 3201 Phytochemicals and Herbal Medicine and Nutrition
NUTR 3200 Food Product Development
NUTR 3102 Functional foods, Nutraceuticals
HONR 3187 Seminar Independent Study
NUTR 4301 Research Thesis in Nutrition

TOTAL CREDIT HOURS FOR GRADUATION – 120 HOURS

TOTAL ADVANCED HOURS – 42 HOURS

ADMISSION, PROGRESSION, AND GRADUATION REQUIREMENTS, if applicable:

Admission requirements

1. Admission to the program is determined by a minimum High school or current undergraduate GPA of 3.0 on a 4.0 scale with no additional criteria. Students who have completed college level courses should have a minimum GPA of 2.7 in Nutrition, Biology, Chemistry and Mathematics courses required in the program. With the exception of a minimum GPA, the program is open enrollment and program capacity will only be limited by personnel availability and laboratory space. Deadline to apply to the program will be April 30th of each year.

Progression requirements

1. Students must maintain a grade of "C" or above in all the major requirement courses to remain in the program. The students are also expected to complete the required prerequisites for the courses. They are also expected to co-register in courses as detailed in the degree plan.

Graduation requirements

1. Completion of the major is based on the student receiving a minimum grade of "C" in all required courses for the major in section B – Major Requirements in the degree plan.
2. In addition to the graduation requirements listed in the UTRGV 2018-2019 Undergraduate Catalog, demonstration of proficiency in a language other than English is required at the undergraduate level equivalent to a minimum of six credit hours. Proficiency can be demonstrated by a college credit exam, a placement test approved through the UTRGV Department of Writing and Language Studies, and/or up to six credit hours of college-level language coursework.