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.