*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 1310 Ethics, Happiness, and the Good Life
PHIL 1366 Philosophy and History of Science and Technology

**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
NUTR 3310 Advanced Nutrition and Exercise Metabolism
PHAR 3300 Pharmacology I
HPRS 3320 Patient Education in Health Sciences
NUTR 3255 Multicultural Foods
NUTR 3456 Experimental Foods
NUTR 3350 Integrative Nutrition & Nutrigenomics
NUTR 3452 Food Preparation
NUTR 4310 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 3354 Food Systems Management
NUTR 3357 Medical Nutrition Therapy I

NUTR 3358 Medical Nutrition Therapy II
NUTR 3362 Quantity Foods

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

NUTR 2315 Introduction to Veterinary Nutrition
NUTR 2125 Nutritional Assessment
CHEM 2301 Analytical Chemistry
CHEM 2101 Analytical Chemistry Lab
NUTR 3301 Advanced Veterinary Nutrition
NUTR 3354 Food Systems Management
NUTR 3201 Phytochemicals, 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 Education 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, Herbal Medicine and Nutrition
NUTR 3200 Food Product Development
NUTR 3102 Functional Foods and 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.