

# NUTRITION - BS, MOLECULAR AND EXPERIMENTAL TRACK

## Program Requirements

### First Year

Fall		Semester Credit Hours
BIOL 111	Introductory Biology I	4
CHEM 119	Fundamentals of Chemistry I	4
ENGL 103 or ENGL 104	Introduction to Rhetoric and Composition or Composition and Rhetoric	3
NFSC 204	Perspectives in Nutrition and Food Science	1
NFSC 210	Horizons in Nutrition and Food Science	2
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#Mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#Mathematics</a> ) <sup>1</sup>		3
Semester Credit Hours		17

### Spring

BIOL 112	Introductory Biology II	4
CHEM 120	Fundamentals of Chemistry II	4
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> ) <sup>1</sup>		3
Semester Credit Hours		14

### Second Year

Fall		Semester Credit Hours
CHEM 227	Organic Chemistry I	3
CHEM 237	Organic Chemistry Laboratory	1
ENGL 210	Technical and Business Writing	3
NFSC 203	Scientific Principles of Human Nutrition	3
PHYS 201	College Physics	4
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Semester Credit Hours		17

### Spring

CHEM 228	Organic Chemistry II	3
CHEM 238	Organic Chemistry Laboratory	1
POLS 206	American National Government	3
Select two of the following:		6
BIOL 413	Cell Biology	
BIOL 414	Developmental Biology	
COMM 203	Public Speaking	
COMM 315	Interpersonal Communication	
COMM 325	Persuasion	
HLTH 334	Women's Health	
HLTH 354	Medical Terminology for the Health Professions	

NFSC 485	Directed Studies	
NFSC 491	Research	
PHYS 202	College Physics	
PSYC 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/psyc/">http://catalog.tamu.edu/undergraduate/course-descriptions/psyc/</a> )		
VTPP 425	Pharmacology	
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>2</sup>		3
Semester Credit Hours		16

### Third Year

Fall		Semester Credit Hours
BIOL 319 or VIBS 305	Integrated Human Anatomy and Physiology I or Biomedical Anatomy	4
NFSC 301	Nutrition Through Life	3
POLS 207	State and Local Government	3
Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>2</sup>		3
Semester Credit Hours		13

### Spring

BIOL 320 or VTPP 423	Integrated Human Anatomy and Physiology II or Biomedical Physiology I	4
GENE 301	Comprehensive Genetics	3
GENE 312	Comprehensive Genetics Laboratory	1
NFSC 365	Nutritional Physiology of Vitamins and Minerals	3
Select one of the following:		3
STAT 301	Introduction to Biometry	
STAT 302	Statistical Methods	
STAT 303	Statistical Methods	
Semester Credit Hours		14

### Fourth Year

Fall		Semester Credit Hours
BICH 410	Comprehensive Biochemistry I	3
BIOL 351	Fundamentals of Microbiology	4
NFSC 469	Experimental Nutrition Laboratory	3
NFSC 491	Research	4
Semester Credit Hours		14

### Spring

BICH 411	Comprehensive Biochemistry II	3
BICH 431/ GENE 431	Molecular Genetics	3
CHEM 316	Quantitative Analysis	2
CHEM 318	Quantitative Analysis Laboratory	1
NFSC 475	Nutrition and Physiological Chemistry	3
Social and behavioral science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a> ) <sup>2</sup>		3
Semester Credit Hours		15
Total Semester Credit Hours		120

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<sup>1</sup> MATH prefix required.

<sup>2</sup> The Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>). Selection must be from courses on the approved list. Selection can be courses that also satisfy the requirement for social and behavioral sciences; creative arts; language, philosophy and culture; or electives. For more information on core requirements visit the University Core Curriculum (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/>) catalog page.

A total of 120 hours is required for graduation; 36 hours of 300/400 level courses are required to meet the Texas A&M University residency requirement.