

# NUTRITION - BS, GENERAL NUTRITION 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
FSTC 210/ NUTR 210	Horizons in Nutrition and Food Science	2
NUTR 204/ FSTC 204	Perspectives in Nutrition and Food Science	1
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
<b>Semester Credit Hours</b>		<b>17</b>

### 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
<b>Semester Credit Hours</b>		<b>14</b>

### Second Year

Fall		
CHEM 227	Organic Chemistry I	3
CHEM 237	Organic Chemistry Laboratory	1
ENGL 210	Technical and Professional Writing	3
NUTR 203	Scientific Principles of Human Nutrition	3
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
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
<b>Semester Credit Hours</b>		<b>16</b>

### Spring

CHEM 228	Organic Chemistry II	3
NUTR 301	Nutrition Through Life	3
POLS 206	American National Government	3
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
General elective		3
<b>Semester Credit Hours</b>		<b>15</b>

### Third Year

#### Fall

BIOL 319	Integrated Human Anatomy and Physiology I <sup>3</sup>	4
NUTR 365	Nutritional Physiology of Vitamins and Minerals	3
POLS 207	State and Local Government	3
Technical elective <sup>4</sup>		3
General elective		2
<b>Semester Credit Hours</b>		<b>15</b>

#### Spring

BIOL 320	Integrated Human Anatomy and Physiology II <sup>3</sup>	4
GENE 301	Comprehensive Genetics	3
GENE 312	Comprehensive Genetics Laboratory	1
Select one of the following:		3
STAT 301	Introduction to Biometry	
STAT 302	Statistical Methods	
STAT 303	Statistical Methods	
Technical elective <sup>4</sup>		3
<b>Semester Credit Hours</b>		<b>14</b>

### Fourth Year

#### Fall

BICH 410	Comprehensive Biochemistry I	3
Select one of the following:		4
ANSC 326/ FSTC 326	Food Bacteriology	
BIOL 351	Fundamentals of Microbiology	
Technical elective <sup>4</sup>		3
Nutrition elective		3
Select one of the following:		
FSTC 420	Supervised Research in Mediterranean Nutrition and Food Processing in Italy	
FSTC 422	Food Processing for Sustainable Nutrition in Brazil	
NUTR 211	Scientific Principles of Foods	
NUTR 300	Religious and Ethnic Foods	
NUTR 320/ FSTC 320	Understanding Obesity - A Social and Scientific Challenge	
NUTR 410/ FSTC 410	Nutritional Pharmacometrics of Food Compounds	
NUTR 412	Nutritional Treatment of Disease	
NUTR 430	Community Nutrition	
NUTR 469	Experimental Nutrition Laboratory	
NUTR 485	Directed Studies	
NUTR 489	Special Topics in...	
NUTR 491	Research	
SOCI 330	Sociology of Nutrition	
<b>Semester Credit Hours</b>		<b>13</b>

#### Spring

BICH 411	Comprehensive Biochemistry II	3
NUTR 475	Nutrition and Physiological Chemistry	3
NUTR 481	Seminar	1

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
Nutrition elective	6
Select one of the following:	
FSTC 420	Supervised Research in Mediterranean Nutrition and Food Processing in Italy
FSTC 422	Food Processing for Sustainable Nutrition in Brazil
NUTR 211	Scientific Principles of Foods
NUTR 300	Religious and Ethnic Foods
NUTR 320/ FSTC 320	Understanding Obesity - A Social and Scientific Challenge
NUTR 410/ FSTC 410	Nutritional Pharmacometrics of Food Compounds
NUTR 412	Nutritional Treatment of Disease
NUTR 430	Community Nutrition
NUTR 469	Experimental Nutrition Laboratory
NUTR 485	Directed Studies
NUTR 489	Special Topics in...
NUTR 491	Research
SOCI 330	Sociology of Nutrition
<b>Semester Credit Hours</b>	<b>16</b>
<b>Total Semester Credit Hours</b>	<b>120</b>

- SEED minor (<http://catalog.tamu.edu/undergraduate/education-human-development/teaching-learning-culture/secondary-education-minor/>)
- Technical electives: one Ecology course (ECCB 402 or BIOL 357).

#### Teacher certification in *Science*

- SEED minor (<http://catalog.tamu.edu/undergraduate/education-human-development/teaching-learning-culture/secondary-education-minor/>)
- Technical electives: PHYS 201 and PHYS 202; one Earth Science course GEOL 101 and Ecology course RWFM 420, RWFM 409 or BIOL 357.

#### Teacher certification in *Chemistry*

- SEED minor (<http://catalog.tamu.edu/undergraduate/education-human-development/teaching-learning-culture/secondary-education-minor/>)
- No additional courses required

<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 in the Core Curriculum. 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.

<sup>3</sup> Students may choose to take two physiology courses, VTPP 423 and VIBS 305, instead of anatomy.

<sup>4</sup> Students may choose from the following technical electives: ACCT 209; BICH 431/GENE 431; BIOL 352, BIOL 413 or BIOL 414; CHEM 238, CHEM 315 and CHEM 318; COMM 203, COMM 315 or COMM 325; FINC 409; HLTH 236, HLTH 334, HLTH 354, ISTM 209; MGMT 209, MGMT 309; MKTG 409, SOCI 205; PHYS 201, PHYS 202; PSYC 300-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/psyc/>); VTPP 425.

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.

Students interested in teacher certification must also complete the 18 credit hour SEED (Secondary Education) Minor. Substitutions must be approved by the Department of Teaching, Learning and Culture advisors.

Teacher certification in *Biology/Life Science*