NUTRITION - BS, GENERAL NUTRITION TRACK

Nutritional sciences prepares majors with a comprehensive knowledge of the biological and social sciences to understand the relationships between nutrients, food components and human health. Prevention of diseases that are related to lifestyle, particularly diet and nutrition, is a focus of the curriculum. Core courses emphasize the role of nutrients in biochemistry, genetics, physiology, microbiology and immunology that promotes wellness and enhances the quality of life. The major also provides an excellent background for those interested in pursuing graduate degrees in biological, nutritional or food sciences; professional degrees in human or veterinary medicine; degrees in dentistry, pharmacy, physical therapy, nursing, public health and other health professions; or dietetic internships.

The Didactic Program in Dietetics (DPD) and the Graduate Degree/Dietetic Internship Program are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Students who successfully complete the DPD and a dietetic internship are eligible to take the Registration Examination to become a Registered Dietitian (RD).

Three curriculum tracks are offered (General Nutrition, Didactic Program in Dietetics and Molecular and Experimental Nutrition) to provide flexibility in one’s chosen career path. The Nutrition major prepares one for graduate school, corporate wellness positions, health promotion programs, the food industry, public health programs, pharmaceutical sales, clinical dietetics, medical and research laboratories, biotechnology firms, government agencies and related fields. For more information, visit https://nutrition.tamu.edu/.

General Nutrition Track

The General Nutrition Track provides a wide range of approved electives in biochemistry, nutrition, food science, microbiology, immunology, genetics, and psychology in order to customize a degree suited to research interests and career objectives. Through this program, students are prepared to work in community nutrition programs, sports nutrition, education, research, and as technical representatives in the nutrition and health industry. This is also an excellent program for students wanting to go to professional schools such as medicine, dentistry, physical therapy, physician assistant, or pharmacy.

Teacher Certification

The secondary Provisional Teaching Certificate may be obtained in conjunction with the Bachelor of Science degree in Nutrition, General Nutrition Track. There are three subject areas available for teacher certification through this degree: Biology/Life Science (grades 8-12), Chemistry (grades 8-12), and Science (grades 8-12).

Students must also complete the SEED (Secondary Education) minor. Students interested in teacher certification should contact the teacher certification advisor in the Department of Teaching, Learning and Culture in the School of Education and Human Development for more information.

Program Requirements

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
</tr>
<tr>
<td>ENGL 103 or ENGL 104</td>
<td>Introduction to Rhetoric and Composition or Composition and Rhetoric</td>
</tr>
<tr>
<td>FSTC 210</td>
<td>Perspectives in Nutrition and Food Science</td>
</tr>
<tr>
<td>NUTR 204/</td>
<td>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>)</td>
</tr>
<tr>
<td>FSTC 204</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Introductory Biology II</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry II</td>
</tr>
<tr>
<td>American history</td>
<td>(<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>)</td>
</tr>
<tr>
<td>Mathematics</td>
<td>(<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>)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Year</td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>CHEM 227</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CHEM 237</td>
<td>Organic Chemistry Laboratory</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Professional Writing</td>
</tr>
<tr>
<td>NUTR 203</td>
<td>Scientific Principles of Human Nutrition</td>
</tr>
<tr>
<td>American history</td>
<td>(<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>)</td>
</tr>
<tr>
<td>Social and behavioral science</td>
<td>(<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>)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>CHEM 228</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>NUTR 301</td>
<td>Nutrition Through Life</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
</tr>
<tr>
<td>Creative arts</td>
<td>(<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>)</td>
</tr>
<tr>
<td>General elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Year</td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>BIOL 319</td>
<td>Integrated Human Anatomy and Physiology</td>
</tr>
<tr>
<td>NUTR 365</td>
<td>Nutritional Physiology of Vitamins and Minerals</td>
</tr>
</tbody>
</table>
### Nutrition elective

- NUTR 475  
- BICH 411  
- NUTR 412  
- FSTC 420  
- FSTC 422  
- NUTR 211  
- NUTR 300  
- NUTR 320  
- FSTC 410  
- NUTR 412  
- NUTR 430  
- NUTR 469  
- NUTR 489  
- NUTR 485  
- NUTR 491  
- SOCI 330  
- VIBS 305  
- VTPP 423  
- FSTC 420  
- FSTC 422  
- NUTR 320  
- FSTC 410  
- NUTR 412  
- NUTR 430  
- NUTR 469  
- NUTR 485  
- NUTR 489  
- NUTR 491  
- SOCI 330  

### General elective

- POLS 207  

### Technical elective

- BICH 411  
- NUTR 412  
- NUTR 430  
- NUTR 469  
- NUTR 489  
- NUTR 485  
- NUTR 491  
- SOCI 330  

### Technical elective

- BICH 411  
- NUTR 412  
- NUTR 430  
- NUTR 469  
- NUTR 489  
- NUTR 485  
- NUTR 491  
- SOCI 330  

### Semester Credit Hours

- Spring
  - BICH 411  
  - NUTR 475  
  - NUTR 481  
  - Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)  
  - Nutrition elective  
  - Select one of the following:  

- Fall
  - BICH 410  
  - Select one of the following:  
    - ANSC 326/FSTC 326  
    - BIOL 351  
    - Technical elective  

- Fourth Year
  - Fall
    - Select one of the following:  
      - ANSC 326/FSTC 326  
      - BIOL 351  
      - Technical elective  
  - Spring
    - Select one of the following:  

### Total Semester Credit Hours

1. MATH prefix required.  
2. 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.  
3. Students may choose to take two physiology courses, VTPP 423 and VIBS 305, instead of anatomy.  
4. 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 299, 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  
- 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