

BACHELOR OF SCIENCE, MAJOR IN FOOD SCIENCE AND NUTRITION

| Code | Title | Hours |
|---|---|-------|
| Bachelor of Science, Major in Food Science and Nutrition | | |
| Core Curriculum (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/) | | |
| Component Area I (Communication) | | 6 |
| Component Area II (Mathematics) ¹ | | 3 |
| Component Area III (Life and Physical Science) ² | | 8 |
| Component Area IV (Language, Philosophy, and Culture) | | 3 |
| Component Area V (Creative Arts) | | 3 |
| Component Area VI (U.S. History) | | 6 |
| Component Area VII (Political Science/Government) | | 6 |
| Component Area VIII (Social and Behavioral Sciences) ³ | | 3 |
| Component Area IX (Component Area Option) ⁴ | | 4 |
| Degree Specific Requirements | | |
| BIOL 2403 | Human Anatomy & Physiology I ^{2, 5} | 4 |
| BIOL 2404 | Human Anatomy & Physiology II ⁵ | 4 |
| CHEM 1411 | General Chemistry I ² | 4 |
| CHEM 1412 | General Chemistry II | 4 |
| COMS 3385 | Community Applied Communica | 3 |
| KINE 2115 | Lifetime Health and Wellness ⁴ | 1 |
| MATH 1314 | Pre Calculus Algebra ¹ | 3 |
| MATH 1342 | Elementary Statistics | 3 |
| PSYC 3374 | Development Psychology | 3 |
| Major: Foundation | | |
| FACS 1441 | Food Preparation And Selection | 4 |
| FACS 2362 | Nutrition | 3 |
| FACS 3329 | Nutrition through the Lifespan | 3 |
| FACS 3339 | Community Nutrition | 3 |
| FACS 3445 | Quan Food Pur Prep & Ser | 4 |
| FACS 3367 | Food Science | 3 |
| FACS 3370 | Nutritional Pathways | 3 |
| FACS 3380 | Advanced Nutrition | 3 |
| FACS 4360 | Clinical Dietetics I | 3 |
| FACS 4361 | Clinical Dietetics II | 3 |
| FACS 4370 | Adv Food Sys Org & Mngt | 3 |
| FACS 4371 | Nutrition Assessment | 3 |
| FACS 4373 | Cultural Food Practices | 3 |
| Major: Prescribed Electives | | |
| BIOL 2420 | Intro Applied Microbiology | 4 |
| CHEM 2323 & CHEM 2123 | Organic Chemistry I: Lecture and Organic Chemistry I Lab | 4 |
| ECON 2300 | Introduction To Economics ³ | 3 |
| or ECON 2301 | Principles Of Macroeconomics | |
| or ECON 2302 | Principles Of Microeconomics | |
| ENGL 3330 | Intro to Technical Writing | 3 |
| MGMT 3310 | Principles Of Management | 3 |
| PSYC 1301 | Introduction To Psychology | 3 |
| PSYC 4332 | Learning | 3 |

Minor: Not Required^{6,7}**Total Hours****120**

- ¹ Satisfies the Core Curriculum requirement for Component Area II (Mathematics).
- ² Satisfies 4 hours of the Core Curriculum requirement for Component Area III (Life and Physical Sciences).
- ³ Satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).
- ⁴ Satisfies the Core Curriculum requirement for one hour of Component Area IX (Component Area Option).
- ⁵ BIOL 2401 and BIOL 2402 may be used as a transfer course for this requirement; please see a SAM Center advisor for more details.
- ⁶ A minor is **not required** for this degree program; however, a student has the option to add a minor, but to do so additional semester credits hours will be needed above the degree program's stated total semester credit hours.
- ⁷ All minors can be paired with this degree program.

Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 3.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 3.0 minimum SHSU major GPA in all major coursework.

FACS 2362 requires 3 hours of BIOL or CHEM.

FACS 1441 or FACS 2441 is a prerequisite for FACS 3445.

FACS 3367 requires the completion of 4 hours of Chemistry, FACS 1441 and FACS 2362.

BIOL 2420 requires a "C" or higher in BIOL 2401, BIOL 2402 and in CHEM 1406 or CHEM 1411. This course will satisfy 4 hours of the Core Curriculum requirement for Component Area III (Life and Physical Science).

MGMT 3310 requires 50 hours of course work completed.

PSYC 4332 requires PSYC 1301 as a prerequisite for FSN majors.

ENGL 1301 and ENGL 1302 are prerequisites for ENGL 3330 and satisfy the Core Curriculum requirement for Component Area I (Communications).

The estimated cost of completing the DPD Program, including tuition and fees, books, lab coat, and SHSDA dues is \$37,139. (Cost of tuition, fees and textbooks is subject to change without notice).

The program requires transfer and change of major students to have a minimum GPA of 3.0 prior to declaring FSN as a major and submitting a degree plan.

To be eligible to receive an *ACEND Verification Statement of DPD Program Completion*, students in the DPD at Sam Houston State University must have a minimum GPA of 3.0 overall, a DPD GPA of 3.0 or better, and a "C" or better in all FACS courses. Upper level courses must have been completed in the previous 5 years. The DPD Director will issue the *Verification Statement* once the FSN degree has been conferred on the student's academic transcript (usually one month after the end of the semester). An official copy of the *Verification Statement* is required to begin an ACEND-accredited dietetic internship. Receipt of the *Verification Statement* does not guarantee an ACEND-accredited dietetic internship. Students who do not meet the grade point requirement for a *Verification Statement* but satisfy graduation requirements will graduate with a Bachelor of Science in Food Science and Nutrition. Sam Houston State University does not guarantee dietetic internship placement or selection.

The Didactic Program in Dietetics (DPD) is currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

120 South Riverside Plaza
Suite 2000
Chicago, IL 60606-6995
1-800-877-1600, ext. 5400
Website: Eat Right (<https://www.eatrightpro.org/acend/>)

First Year

| Fall | Hours | Spring | Hours |
|--------------------------|--------------|--------------------------|--------------|
| BIOL 2403 ^{1,2} | | 4 BIOL 2404 ² | 4 |
| ENGL 1301 ³ | | 3 CHEM 1411 ¹ | 4 |
| HIST 1301 ⁴ | | 3 ENGL 1302 ³ | 3 |

| | | | |
|---|--------------|--|--------------|
| KINE 2115 ⁵ | | 1 HIST 1302 ⁴ | 3 |
| MATH 1314 ⁶ | | 3 | |
| | | 14 | 14 |
| Second Year | | | |
| Fall | Hours | Spring | Hours |
| Component Area IV (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv) | | 3 BIOL 2420 | 4 |
| CHEM 1412 | | 4 CHEM 2123 | 1 |
| FACS 1441 | | 4 CHEM 2323 | 3 |
| POLS 2305 ⁷ | | 3 FACS 2362 | 3 |
| PSYC 1301 | | 3 MATH 1342 | 3 |
| | | POLS 2306 ⁷ | 3 |
| | | 17 | 17 |
| Third Year | | | |
| Fall | Hours | Spring | Hours |
| Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) | | 3 Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav) | 3 |
| ENGL 3330 | | 3 FACS 3339 | 3 |
| FACS 3329 | | 3 FACS 3367 | 3 |
| FACS 3445 | | 4 FACS 3380 | 3 |
| FACS 3370 | | 3 FACS 4371 | 3 |
| | | 16 | 15 |
| Fourth Year | | | |
| Fall | Hours | Spring | Hours |
| ECON 2300, 2301, or 2302 ⁸ | | 3 COMS 3385 | 3 |
| FACS 4360 | | 3 FACS 4361 | 3 |
| FACS 4373 | | 3 FACS 4370 | 3 |
| PSYC 3374 | | 3 MGMT 3310 | 3 |
| | | PSYC 4332 | 3 |
| | | 12 | 15 |

Total Hours: 120

- ¹ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Sciences).
- ² BIOL 2401 and BIOL 2402 may be used as a transfer course for this requirement; please see a SAM Center advisor for more details
- ³ Satisfies Core Curriculum requirement for Component Area I (Communication).
- ⁴ Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
- ⁵ Satisfies one hour of the Core Curriculum requirement for Component Area IX (Component Area Option).
- ⁶ Satisfies Core Curriculum requirement for Component Area II (Mathematics).
- ⁷ Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
- ⁸ Satisfies Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Food Science and Nutrition is designed to provide graduates with the following marketable skills:

- Demonstrate skills in performing nutrition assessments (individual and group) and assessment for the life cycle.
- Ability to apply food science product manipulation and development.
- Knowledge in and ability to perform culinary medicine food demonstration.
- Demonstrate basic understanding of nutritional quality assessment of individuals and populations utilizing computer software.
- Awareness of food and inventory management.