University of Hawai‘i at Mānoa  
College of Tropical Agriculture and Human Resources  
Program Sheet 2012-2013  
Bachelor of Science (BS) in Food Science and Human Nutrition  
Track: Food Science  
Admissions: Freshmen = Open / Transfer = Min. Criteria  
Process: Declaration  
Min. Total Credits: 120 (Business = 113 + 7 in electives; Pre-Professional = 112 + 8 in electives)

<table>
<thead>
<tr>
<th>UHM General Education Core Requirements</th>
<th>College Requirements</th>
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<tr>
<td><strong>Foundations</strong></td>
<td><strong>CTAHR Required Set of Interrelated Courses</strong></td>
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<tr>
<td>☑ FW</td>
<td>☑ COMG 151<em>DA or 251</em>DA</td>
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<td>☑ FS</td>
<td>☑ NREM 310</td>
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<tr>
<td>☑ FG (A / B / C)</td>
<td>☑ Internship or capstone course (FSHN 492)</td>
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<tr>
<td><strong>Diversification</strong></td>
<td><strong>Credit Minimums</strong></td>
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<td>☑ DA / DH / DL</td>
<td>• 120 total applicable</td>
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* See degree, college and major requirements for courses that can also fulfill these.

**UHM Graduation Requirements**

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<th>Focus</th>
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**Hawaiian / Second Language**

- The Hawaiian or Second Language requirement is not required for students admitted to the Food Science and Human Nutrition program.

**Credit Minimums**

- 120 total applicable
- 30 in residence at UHM
- 45 upper division (300+ level) credits

**Grade Point Average**

- 2.0 cumulative or higher *(Note: Other GPAs may be required)*
- Good academic standing

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This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.  
Meet regularly with your major advisor.
### Major Requirements for BS in Food Science and Human Nutrition

**Admission:** Freshmen = Open; Transfer = Min. entrance GPA of 2.8 and have taken FSHN 185 (with “B” or better) and CHEM 161/161L, CHEM 162/162L, PHYL 141/141L, PHYL 142/142L, and MATH 140 (or higher) (with a “C” or better).

**Application:** Freshmen = NA; Transfer = Must meet with FSHN advisor.

**Min. major credits:**
- **Business Option** = 81
- **Pre-Professional Option** = 82

**Min. C grade (not C-) in all courses**

### Requirements

#### Food Science and Human Nutrition Required Supporting Courses (18-29 credits)

- **BIOL 171*DB** / 171L*DY
- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY
- CHEM 272*DP
- MBBE 402 or 375
- PHYL 141*DB or 301 / 141L*DY or 301L
- PHYL 142*DB or 302 / 142L*DY or 302L

#### Food Science Core Courses (41 credits)

All of the following:
- **FSHN 181** / 181L*DY
- FSHN 185*DB
- FSHN 381
- FSHN 403
- FSHN 411
- FSHN 430
- FSHN 430L
- FSHN 440
- FSHN 445
- FSHN 460
- FSHN 477
- FSHN 477L
- FSHN 494

#### Food Science Options (choose only one option)

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<tr>
<th><strong>Business Option</strong> (19 credits)</th>
<th>All of the following:</th>
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<tbody>
<tr>
<td><strong>CHEM 272L</strong></td>
<td><strong>PHYS 151</strong></td>
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<tr>
<td><strong>MICR 140L</strong></td>
<td><strong>ECON 130</strong></td>
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<td><strong>BUS 315</strong></td>
<td><strong>ACC 201</strong></td>
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<tr>
<th><strong>Pre-Professional Option</strong> (20 credits; see department for approved courses)</th>
<th>All of the following:</th>
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<tr>
<td><strong>CHEM 272L</strong></td>
<td><strong>CHEM 273</strong></td>
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<tr>
<td><strong>MICR 140L</strong></td>
<td><strong>PHYS 151</strong></td>
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<tr>
<td><strong>MATH 215</strong></td>
<td><strong>PHYS 152</strong></td>
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### Notes

CTAHR Office of Academic and Student Affairs: Gilmore 210; (808) 956-8183/(808) 956-6733; acadaff@ctahr.hawaii.edu; www.ctahr.hawaii.edu

FSHN Program: AgSci 216; (808) 956-7095; hnfas@ctahr.hawaii.edu; www.ctahr.hawaii.edu/hnfas

FSHN Undergraduate Advisor: Maria Stewart, PhD; AgSci 314M; (808) 956-9114; mstew@hawaii.edu