



**University of Hawai'i at Mānoa**  
**College of Tropical Agriculture and Human Resources Program Sheet 2013-2014**  
**Bachelor of Science (BS) in Food Science and Human Nutrition**  
**Track: Human Nutrition**

**Admissions: Freshmen = Open / Transfer = Min. Criteria    Process: Declaration**  
**Min. Total Credits: 120 (Sports and Wellness = 103 in core and major + 15 electives;**  
**Pre-Professional = 107 in core and major + 13 in electives; Dietetics = 120 in core and major)**

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
<b>Focus</b>
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
<b>Hawaiian / Second Language</b>
<ul style="list-style-type: none"> <li>The Hawaiian or Second Language requirement is <b>not</b> required for students admitted to the Food Science and Human Nutrition program.</li> </ul>
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> <li>30 in residence at UHM</li> <li>45 upper division (300+ level) credits</li> </ul>
<b>Grade Point Average</b>
<ul style="list-style-type: none"> <li>2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>)</li> <li>Good academic standing</li> </ul>

College Requirements
<b>CTAHR Required Set of Interrelated Courses</b>
<input type="checkbox"/> COMG 151* <sup>DA</sup> or 251* <sup>DA</sup>
<input type="checkbox"/> NREM 310
<input type="checkbox"/> Internship or capstone course (FSHN 492)
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> </ul>

*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 3.0 and have taken FSHN 185 (B or better) and CHEM 161/161L and 162/162L, PHYL 141/141L and 142/142L, and MATH 140 (or higher) (C or better).

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

Min. major credits: Sports and Wellness Option = 82; Pre-Professional Option = 86; Dietetics Option = 99

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

**Requirements****Food Science and Human Nutrition Required Supporting Courses (29-32 credits)**

- |   |   |
|---|---|
| <input type="checkbox"/> BIOL 171* <sup>DB</sup> / <input type="checkbox"/> 171L* <sup>DY</sup> | <input type="checkbox"/> MBBE 375 or 402  |
| <input type="checkbox"/> CHEM 161* <sup>DP</sup> / <input type="checkbox"/> 161L* <sup>DY</sup> | <input type="checkbox"/> PHYL 141* <sup>DB</sup> / <input type="checkbox"/> 141L* <sup>DY</sup> or 301 / 301L |
| <input type="checkbox"/> CHEM 162* <sup>DP</sup> / <input type="checkbox"/> 162L* <sup>DY</sup> | <input type="checkbox"/> PHYL 142* <sup>DB</sup> / <input type="checkbox"/> 142L* <sup>DY</sup> or 302 / 302L |
| <input type="checkbox"/> CHEM 272* <sup>DP</sup>  | <input type="checkbox"/> MATH 140 or above  |

**Human Nutrition Core Courses (23 credits)**

All of the following:

- |   |  |                                   |                                   |
|---|--|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> FSHN 181 / 181L* <sup>DY</sup> | <input type="checkbox"/> FSHN 185* <sup>DB</sup> | <input type="checkbox"/> FSHN 370 | <input type="checkbox"/> FSHN 389 |
| <input type="checkbox"/> FSHN 485                       | <input type="checkbox"/> FSHN 486                | <input type="checkbox"/> FSHN 492 |                                   |

**Human Nutrition Options (choose only one option)**

<input type="checkbox"/> <b>Dietetics Option (47-49 credits)</b>	<p>All of the following:</p> <table border="0"> <tr> <td><input type="checkbox"/> BIOL 340 or CMB 411</td> <td><input type="checkbox"/> SOC 100*<sup>DS</sup></td> </tr> <tr> <td><input type="checkbox"/> PHRM 203</td> <td><input type="checkbox"/> PSY 100*<sup>DS</sup></td> </tr> </table> <p>All of the following:</p> <table border="0"> <tr> <td><input type="checkbox"/> FSHN 311 or BUS 315 or TIM 369I</td> <td><input type="checkbox"/> FSHN 312</td> </tr> <tr> <td><input type="checkbox"/> FSHN 322 or BUS 312</td> <td><input type="checkbox"/> FSHN 381</td> </tr> <tr> <td><input type="checkbox"/> FSHN 440 or MICR 130/140L</td> <td><input type="checkbox"/> FSHN 451</td> </tr> <tr> <td><input type="checkbox"/> FSHN 452</td> <td><input type="checkbox"/> FSHN 467</td> </tr> <tr> <td><input type="checkbox"/> FSHN 469</td> <td><input type="checkbox"/> FSHN 468</td> </tr> <tr> <td><input type="checkbox"/> FSHN 480</td> <td><input type="checkbox"/> FSHN 488</td> </tr> </table>	<input type="checkbox"/> BIOL 340 or CMB 411	<input type="checkbox"/> SOC 100* <sup>DS</sup>	<input type="checkbox"/> PHRM 203	<input type="checkbox"/> PSY 100* <sup>DS</sup>	<input type="checkbox"/> FSHN 311 or BUS 315 or TIM 369I	<input type="checkbox"/> FSHN 312	<input type="checkbox"/> FSHN 322 or BUS 312	<input type="checkbox"/> FSHN 381	<input type="checkbox"/> FSHN 440 or MICR 130/140L	<input type="checkbox"/> FSHN 451	<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467	<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 468	<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 488			
<input type="checkbox"/> BIOL 340 or CMB 411	<input type="checkbox"/> SOC 100* <sup>DS</sup>																			
<input type="checkbox"/> PHRM 203	<input type="checkbox"/> PSY 100* <sup>DS</sup>																			
<input type="checkbox"/> FSHN 311 or BUS 315 or TIM 369I	<input type="checkbox"/> FSHN 312																			
<input type="checkbox"/> FSHN 322 or BUS 312	<input type="checkbox"/> FSHN 381																			
<input type="checkbox"/> FSHN 440 or MICR 130/140L	<input type="checkbox"/> FSHN 451																			
<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467																			
<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 468																			
<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 488																			
<input type="checkbox"/> <b>Pre-Professional Option (34-36 credits)</b>	<p>All of the following:</p> <table border="0"> <tr> <td><input type="checkbox"/> MBBE 402L</td> <td><input type="checkbox"/> FSHN 440 or MICR 130/140L</td> </tr> <tr> <td><input type="checkbox"/> genetics/molecular biology course</td> <td></td> </tr> </table> <p>A minimum of <b>9 credits</b> selected from the following courses:</p> <table border="0"> <tr> <td><input type="checkbox"/> FSHN 244</td> <td><input type="checkbox"/> FSHN 381</td> <td><input type="checkbox"/> FSHN 451</td> </tr> <tr> <td><input type="checkbox"/> FSHN 452</td> <td><input type="checkbox"/> FSHN 467</td> <td><input type="checkbox"/> FSHN 468</td> </tr> <tr> <td><input type="checkbox"/> FSHN 469</td> <td><input type="checkbox"/> FSHN 480</td> <td><input type="checkbox"/> FSHN 488</td> </tr> </table> <p><b>17 credits</b> of science, math and/or health-related elective with advisor approval:</p> <table border="0"> <tr> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> </tr> <tr> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> MBBE 402L	<input type="checkbox"/> FSHN 440 or MICR 130/140L	<input type="checkbox"/> genetics/molecular biology course		<input type="checkbox"/> FSHN 244	<input type="checkbox"/> FSHN 381	<input type="checkbox"/> FSHN 451	<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467	<input type="checkbox"/> FSHN 468	<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 488	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> MBBE 402L	<input type="checkbox"/> FSHN 440 or MICR 130/140L																			
<input type="checkbox"/> genetics/molecular biology course																				
<input type="checkbox"/> FSHN 244	<input type="checkbox"/> FSHN 381	<input type="checkbox"/> FSHN 451																		
<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467	<input type="checkbox"/> FSHN 468																		
<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 488																		
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____																		
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____																		
<input type="checkbox"/> <b>Sports and Wellness Option (30-32 credits)</b>	<p>All of the following:</p> <table border="0"> <tr> <td><input type="checkbox"/> KRS 353</td> <td><input type="checkbox"/> KRS 354 / <input type="checkbox"/> 354L</td> </tr> <tr> <td><input type="checkbox"/> FSHN 480</td> <td><input type="checkbox"/> FSHN 440 or MICR 130/140L</td> </tr> </table> <p>A minimum of <b>9 credits</b> selected from the following courses:</p> <table border="0"> <tr> <td><input type="checkbox"/> FSHN 244</td> <td><input type="checkbox"/> FSHN 381</td> <td><input type="checkbox"/> FSHN 451</td> </tr> <tr> <td><input type="checkbox"/> FSHN 452</td> <td><input type="checkbox"/> FSHN 467</td> <td><input type="checkbox"/> FSHN 468</td> </tr> <tr> <td><input type="checkbox"/> FSHN 469</td> <td><input type="checkbox"/> FSHN 488</td> <td></td> </tr> </table> <p><b>8 credits</b> of health-related electives with advisor approval</p> <table border="0"> <tr> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> KRS 353	<input type="checkbox"/> KRS 354 / <input type="checkbox"/> 354L	<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 440 or MICR 130/140L	<input type="checkbox"/> FSHN 244	<input type="checkbox"/> FSHN 381	<input type="checkbox"/> FSHN 451	<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467	<input type="checkbox"/> FSHN 468	<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 488		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____			
<input type="checkbox"/> KRS 353	<input type="checkbox"/> KRS 354 / <input type="checkbox"/> 354L																			
<input type="checkbox"/> FSHN 480	<input type="checkbox"/> FSHN 440 or MICR 130/140L																			
<input type="checkbox"/> FSHN 244	<input type="checkbox"/> FSHN 381	<input type="checkbox"/> FSHN 451																		
<input type="checkbox"/> FSHN 452	<input type="checkbox"/> FSHN 467	<input type="checkbox"/> FSHN 468																		
<input type="checkbox"/> FSHN 469	<input type="checkbox"/> FSHN 488																			
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____																		

**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