











## 2024 - 2025 Major Map

### Nutritional Science, BS

School/College: College of Health Solutions  
NHNUSCIBS





Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SCIT OR SQ) OR CHM 113: General Chemistry I (SCIT OR SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.</li> <li>Students who enter the major as first-year students must complete CHS 100; students who enter the major with more than 30 hours should complete CHS 300.</li> <li>Students interested in graduate school or a health professions program are recommended to take CHM 113 and MAT 170.</li> <li>Students who take CHM 113 will also need to take CHM 116 as an elective in term 2 to progress in the major.</li> <li>Explore <a href="#">pre-health career pathways</a>.</li> </ul>
 CHS 101: The ASU Experience for Health Solutions Students	1		
CHS 100: Optimizing Your Health and Performance (SOBE OR SB) OR CHS 300: An Exploration of Well-Being (SOBE OR SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MATH OR MA) OR MAT 170: Precalculus (MATH OR MA)	3	C	
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Students who took CHM 113 in Term 1 should take CHM 116 as their elective in Term 2.</li> <li>Visit the <a href="#">CHS website</a> for current student resources including forms and policies, advising appointment scheduling, internship information, and more.</li> <li>Explore <a href="#">pre-health resources</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SOBE OR SB)	3	C	
Humanities, Arts and Design (HUAD)	3		
Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SCIT OR SG)	4	C	<ul style="list-style-type: none"> <li>Students interested in applying to a health professions graduate program should take 8 semester hours of organic chemistry. These students should enroll in CHM 233 and CHM 237 in term 3 rather than CHM 231 and CHM 235. Meet with a <a href="#">pre-health advisor</a> to discuss coursework as well as extracurricular activities.</li> <li>Check your degree progress and learn to run your <a href="#">Graduation Audit (DARS)</a>.</li> </ul>
CHM 231: Elementary Organic Chemistry (SCIT OR SQ) AND  CHM 235: Elementary Organic Chemistry Laboratory (SCIT OR SQ)	4	C	
HCD 300: Biostatistics (QTRS OR CS) OR STP 226: Elements of Statistics (QTRS OR CS) OR STP 231: Statistics for Life Science (QTRS OR CS)	3	C	
NTR 142: Applied Food Principles	3	C	
Elective	1		
 Complete Mathematics (MATH) requirement.			


Term hours subtotal: 15


- Graduate school admissions can be very competitive. Students interested in applying to graduate school should research recommended cumulative and science GPA minimums for their desired programs.

Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SCIT OR SG)	4	C	<ul style="list-style-type: none"> <li>• Students who took CHM 233 and CHM 237 in term 3 must take CHM 234 and CHM 238 as their elective in term 4 in order to progress in the major.</li> <li>• Review <b>scholarship renewal criteria</b> to ensure adequate enrollment.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 CHS 260: Health Professions Terminology	3	C	
 NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	
Elective	4		
Term hours subtotal:	14		

Term 5 59 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Students interested in a health professions graduate program are encouraged to meet with a <b>pre-health advisor</b> to discuss coursework and application timeline.</li> <li>• Reach out to <b>advising</b> for more information on the upcoming CHS 494 Capstone course.</li> <li>• Students interested in applying to graduate school should continue to maintain a competitive cumulative and science GPA.</li> </ul>
NTR 480: Integrative and Functional Nutrition	3	C	
Global Communities, Societies and Individuals (GCSI) (NTR 348 recommended)	3		
Governance and Civic Engagement (CIVI)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 341: Medical Nutrition Therapy I	3	C	<ul style="list-style-type: none"> <li>• Thinking about graduate school? Explore registering for a grad school <b>test prep course</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
HSC 300: Complementary Health Care	3	C	
MED 320: Applied Medical/Health Care Ethics (HUAD OR HU)	3	C	
American Institutions (AMIT)	3		
Sustainability (SUST)	3		
Term hours subtotal:	15		

Term 7 89 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 440: Advanced Human Nutrition I	3	C	<ul style="list-style-type: none"> <li>• CHS 494: Capstone fulfills the college's experiential learning requirement.</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Students interested in applying to graduate school should continue to maintain a competitive cumulative and science GPA.</li> </ul>
CHS 494: Capstone	3	C	
MIC 205: Microbiology (SCIT OR SG) AND MIC 206: Microbiology Laboratory (SCIT OR SG)	4	C	
NTR 351: Nutrition Communication (L)	3	C	
NTR 450: Nutrition in the Life Cycle (SOBE OR SB)	3	C	
Term hours subtotal:	16		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 441: Advanced Human Nutrition II	3	C	<ul style="list-style-type: none"> <li>• Students interested in continuing their capstone can enroll in CHS 494 as a 3-credit upper division elective in term 8. This can be with the same faculty member</li> </ul>
Complete 4 courses:	12		
Upper Division Elective			

Term hours subtotal: 15

or in a new area of research with a different faculty member.

Hide Course List(s)/Track Group(s)

- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- **University Undergraduate Graduation Requirements**

**Notes:**

Mathematics Placement Assessment score determines placement in first mathematics course.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.