2023 - 2024 Major Map Applied Nutrition and Health, BS

School/College: College of Health Solutions

NHFNUENBS

This program's name has changed effective Fall 2024. The previous name was Food and Nutrition Entrepreneurship.

Term 1 - A 0 - 7 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
CHS 101: The ASU Experience for Health Solutions Students			• ASU 101 or college-specific equivalent
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	С	First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this
MAT course (MA) (MAT 142 recommended)	3	С	requirement.
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
CHM 101: Introductory Chemistry (SQ)	4	C	• First-year students must take CHS 100;
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	С	students who enter with more than 30 hours must take CHS 300 instead.
NTR 150: Introduction to the Professions in Nutrition and Dietetics	1	С	• View ASU Online first-year student registration information here.
Term hours subtotal:	8		 Consider your personal and career interests to choose a Focus Area from the lists below. Select coursework from that Focus Area as directed in future terms.
Term 2 - A 15 - 22 Credit Hours Critical course signified by	Hours	Minimun Grade	n Notes
BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	С	• Students following the Pre Dietetics
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	С	Focus Area and the Community Nutrition Focus Area should take BIO 201. Students following the Food Service
Term hours subtotal:	7		Operations Focus Area should take BIO 160. Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.
Term 2 - B 22 - 29 Credit Hours Critical course signified by	Hours	Minimum Grade	n Notes
♣ BIO 202: Human Anatomy and Physiology II (SG) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	С	• Students following the Pre Dietetics
W .	3	C	Focus Area and the Community

7

Term hours subtotal:

- Students following the Food Service Operations Focus Area should take MIC 205/206.
- Join a student club or professional organization.

Term 3 - A 29 - 35 Credit Hours Critical course signified by •	Hours	Minimum Grade	Notes
♦ HCD 300: Biostatistics (CS) OR STP 226: Elements of Statistics (CS)	3	С	
NTR 241: Human Nutrition	3	С	
Term hours subtota	l: 6		
Term 3 - B 35 - 41 Credit Hours Critical course signified by •	Hours	Minimum Grade	Notes
NTR 142: Applied Food Principles	3	C	• Develop your skills.
Humanities, Arts and Design (HU)	3		Develop your skins.
♠ Complete First-Year Composition requirement.			
• Complete Mathematics (MA) requirement.			
Term hours subtota	l: 6		
Term 4 - A 41 - 50 Credit Hours	Hours	Minimum Grade	Notes
HSC 210: Cultural Aspects of Health (C)	3	С	Select Focus Area Course from the
NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	С	appropriate list below. • Students following the Pre Dietetics Focus
Focus Area Course	3	С	Area should take CHS 260 as their focus
Term hours subtotal:	9		 Students following the Pre-Dietetics Focus Area should also begin planning for in person CHM 235 laboratory attendance in the summer. Speak to your academic advisor for more information.

Term 4 - B 50 - 56 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
NTR 341: Medical Nutrition Therapy I OR NTR 345: Development of Healthy Cuisines	3	C	• Students following the Pre Dietetics
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		 Focus Area should take NTR 341. Students following the Community Nutrition Focus Area and the Food
Term hours subtotal:	6		Service Operations Focus Area should take NTR 345.
			 Secure a part-time job or volunteer experience.

Term 5 - A 56 - 62 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
NTR 351: Nutrition Communication (L)	3	С	Select Focus Area Course from the
Focus Area Course	3	С	appropriate list below.
Term hours subtotal:	6		• Students following the Pre Dietetics Focus Area should take CHM 231/235 for the Focus Area course. Students will complete all experiments for the CHM 235 Elementary Organic Chemistry Lab in person at an ASU campus during a one-week session in summer. Lab reports will be completed in

subsequent weeks during the same summer term. Connect with your academic advisor for more information.

Ferm 5 - B 62 - 68 Credit Hours	Hours	Minimum Grade	Notes
MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling OR MKT 395: Essentials of Advertising and Marketing Communication		С	• Develop your professional online presence.
NTR 348: Cultural Aspects of Food (SB & C & G)	3	С	
Term hours subtotal:			
Cerm 6 - A 68 - 74 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	С	• C. L
NTR 350: Nutrition Counseling	3	C	 Select a focus area course from the appropriate list below.
Term hours subtotal:	6		 Students following the Pre Dietetics Focus Area should take BCH 361 for th Focus Area course.
'erm 6 - B 74 - 80 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB)	3	С	 Students following the Pre Dietetics Focus Area should take NTR 450.
Elective	3		 Use Handshake to research
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			employment opportunities.
Term hours subtotal:	6		
'erm 7 - A 80 - 86 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
🌟 NTR 344: Nutrition Management and Leadership (L)	3	С	
Elective	3		
Term hours subtotal:	6		
erm 7 - B 86 - 92 Credit Hours	Hours	Minimum Grade	Notes
Focus Area Course	3	С	Select a focus area course from the
Upper Division Elective	3		appropriate list below.
Term hours subtotal:	6		 Students following the Pre Dietetics Focus Area should take MIC 205/206 for the Focus Area course. Gather professional references.
Cerm 8 - A 92 - 98 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
NTR 448: Community Nutrition (L)	3	С	• NTR 448 fulfills the college's
Elective	3		experiential learning requirement.
Term hours subtotal:	6		
'erm 8 - B 98 - 104 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	С	• Select a focus area course from the
Upper Division Elective	3		appropriate list below.
Term hours subtotal:	6		 Students following the Pre Dietetics Focus Area should take NTR 343 for th Focus Area course.

Term 9 - A 104 - 110 Credit Hours Necessary course signified by ☆	Hours	Minimum Grade	Notes
NTR 402: Preprofessional Prep in Nutrition Careers	1	С	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	6		

Term 9 - B 110 - 116 Credit Hours		Hours	Minimum Grade	Notes
Upper Division Focus Area Course		3	C	Select a focus area course from the
Upper Division Elective		3		appropriate list below.
	Term hours subtotal:	6		 Students following the Pre Dietetics
				Focus Area should take NTR 445 for the
				Focus Area course.

Term 10 - A 116 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
🚖 Elective	4		• Apply for full-time career opportunities
Term hours subtotal:	4		

- Students should select and follow a Focus Area to complete a total of 18 credit hours, at least nine
 of which must be upper division. The selected focus area will allow students to move confidently
 into a career or a Graduate Program in Dietetics.
 - Students following the Pre Dietetics Focus Area will be eligible to apply to a Graduate Program in Dietetics which integrates the required coursework and experiential learning to prepare students for the Registered Dietitian (RD) exam. Upon passing the RD Exam, graduates can work as Registered Dietitian Nutritionists (RDN). For more information about institutions that offer a Graduate Program in Dietetics, please visit:
 - https://www.eatrightpro.org/acend/accredited-programs/accredited-programs-directory and search for *Graduate Programs* which are available in several states and online.
 - The Pre Dietetics Focus Area requires both BIO 202 and MIC 205/206. BIO 202 should be completed before MIC 205/206. Students should follow term notes with course suggestions.
 - For students following the Pre Dietetics Focus Area, the CHM 235 Elementary Organic Chemistry Laboratory is only offered in-person at a university campus location. This laboratory course will be offered during summer which may impact your financial aid. Learn more about summer financial aid and additional ways to cover summer costs. Students also have the option to complete the laboratory at a local institution. Visit the Transfer Credit Guide to find equivalent courses near you and consult with your academic advisor.

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

Community Nutrition Focus Area	Pre Dietetics Focus Area	Food Service Operations Focus Area
CHS 340: Health Theory	BCH 361: Advanced Principles of	AGB 215: Fundamentals of Sustainable
EXW 446: Worksite Wellness	Biochemistry	Food Systems (L) or SFS 215: Fundamental of Sustainable Food Systems (L) or SOS 215: Fundamentals of Sustainable Food Systems (L)
HCD 332: Population Health Policy and Legislation	CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	
HCR 231: Fundamentals of Community	CHS 260: Health Professions Terminology	AGB 425: Food Supply Networks
Health		AGB 445: Food Retailing
HCR 335: Program Development and Management for Community Health		AGB 456: Food Product Innovation and Development

HEP 102: Foundations of Health Education and Health Promotion	BIO 202: Human Anatomy and Physiology II (SG) or MIC 205: Microbiology (SG)	CIS 105: Computer Applications and Information Technology (CS)
HEP 348: Methods of Health Education	AND MIC 206: Microbiology Laboratory (SG)	HCR 494: Food Safety and Protection
HEP 380: Body Image and Wellness	NTR 343: Food Service Purchasing	MGT 380: Management and Strategy for Nonmajors
HEP 444: Epidemiology	NTR 445: Management of Food Service	Nonnajors
HEP 452: Health Advocacy in Health	Systems Systems	NTR 343: Food Service Purchasing
Education		NTR 353: The Western Diet
NTR 453: Nutrition and the Media		NTR 360: Nutrition Entrepreneurship
PBH 422: Health Disparities and Access to Health		NTR 445: Management of Food Service Systems
PBH 435: Environmental and Occupational Health		NTR 455: Retail Food Service Operations
11Catti		SOS 327: Sustainable Food and Farms
POP 100: Introduction to Population Health		

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs.
 Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum Cumulative GPA: 2.00 minimum Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science Quantitative (SQ)
- Natural Science General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed next to courses on the major map were valid for the 2023 - 2024 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.