

**B.S. PRECISION NUTRITION & WELLNESS  
 2022 - PRESENT CATALOG CHECKLIST**

NAME: \_\_\_\_\_ SID#: \_\_\_\_\_ DATE: \_\_\_\_\_

**UA FOUNDATIONS & GENERAL EDUCATION**

**MATHEMATICS**

**MATH 112:** College Algebra 3

**COMPOSITION~**

**ENGL 101 or 107:** First Year Composition 3

**ENGL 102 or 108:** First Year Composition 3

or

**ENGL 109H:** Advanced First-Year Composition 3

**SECOND LANGUAGE\***

You must demonstrate second semester level proficiency in a foreign language (ex: SPAN 102 or higher).

0-8

**GENERAL EDUCATION**

**UNIV 101:** Intro to General Education< 1

**EXPLORING PERSPECTIVES (complete one (1) course in each area)**

**Artist:** 3

**Humanist:** 3

**Natural Scientist:** 3

**Social Scientist:** 3

**BUILDING CONNECTIONS (complete three (3) courses)**

1) 3

2) 3

3) 3

**UNIV 301:** General Education Portfolio< 1

**Total Units:** 29-40

**SUPPORTING COURSEWORK**

**STATISTICS (complete one (1) course)**

**AREC 239, ISTA 116, MATH 163, MATH 263, SBS 200** 3-4

**Total Units:** 3-4

**GENERAL SCIENCES**

**BIOC 384:** Foundations in Biochemistry 3

**BIOC 385:** Metabolic Biochemistry 3

**CHEM 151 or CHEM 141 & CHEM 143:** General Chemistry I 4

**CHEM 152 or CHEM 142 & CHEM 144:** General Chemistry II 4

**CHEM 241A:** Organic Chemistry I 3

**MCB 181R:** Introductory Biology 3

**MCB 181L:** Introductory Biology Lab 1

**PSIO 201:** Human Anatomy & Physiology I 4

**PSIO 202:** Human Anatomy & Physiology II 4

or

**PSIO 380:** Fundamentals of Human Physiology 4

**Total Units:** 29

**PRECISION NUTRITION & WELLNESS MAJOR COURSEWORK**

**ECOL 320:** Genetics 3

**NSC 101:** Introduction to Human Nutrition 3

**NSC 260:** Nutrition Communication and Scientific Literacy 3

**NSC 275:** Fundamentals of Precision Nutrition & Wellness 3

**NSC 308:** Nutrition and Metabolism 3

**NSC 370:** Emerging Topics in Precision Nutrition and Wellness 2

**NSC 375:** Diets, Genes and Disease 3

**NSC 396A:** Survey of Nutrition Careers 1

**NSC 408:** Nutritional Biology 3

**NSC 470:** Biomarkers and Disease Status 3

**NSC 475:** Nutrigenomics 3

**NSC 480:** Precision Nutrition & Lifestyle Genomics 3

**Total Units:** 33

**PRECISION NUTRITION & WELLNESS ELECTIVES**

**DATA ANALYTICS & TECHNOLOGY (complete nine (9) units)**

**BE 310:** Introduction to Biosystem Analytics 3

**CSC 250:** Computing for the Sciences 3

**ECOL 346:** Bioinformatics 3

**MCB 416A:** Statistical Bioinformatics and Functional Genomic Analysis 3

**MCB 422:** Problem Solving with Genetic Tools 3

**PLS 340:** Introduction to Biotechnology 3

**Completed Units:** 9

**HEALTH & WELLNESS (complete six (6) units)**

**NSC 301:** Nutrition and the Life Cycle 3

**NSC 320:** Nutrition, Physical Activity, and Health Promotion 3

**NSC 376:** Bioactive Compounds and Food Additives 3

**NSC 410:** Applied Nutrition and Disease 3

**NSC 444:** Community Nutrition 3

**Completed Units:** 6

**DIET & GENES (complete six (6) units)**

**BE 487:** Metagenomics: From Genes to Ecosystems 3

**FSHD 200:** Evolution and Human Development 3

**NROS 330:** Principles of Neuroanatomy: Cells to Systems 3

**Completed Units:** 6

**ETHICS (complete three (3) units)**

**FSHD 347:** Neuroethics 3

**MCB 404:** Bioethics 3

**PA 321:** Medical Ethics 3

**Completed Units:** 3

**Total Units:** 24

**DIRECTED RESEARCH**

**NSC 392 or NSC 492 (complete two (2) units)** 2

**Total Units:** 2

**Total Units Required for Precision Nutrition & Wellness Degree: /120-132**

GRADUATION REQUIREMENTS:	COMMENTS/NOTES
120 total units <input type="checkbox"/> 42 upper division units <input type="checkbox"/> 2.000+ major GPA <input type="checkbox"/> 2.000+ cumulative GPA <input type="checkbox"/> Mid-career writing assessment <input type="checkbox"/>	
<b>KEY:</b> ~ Requires a "B" or better in second semester English Comp. to satisfy Mid-Career * Requires a "C" or better in 2nd semester Language Course < UNIV 101 & UNIV 301 do not need to be taken by Transfer students.	

**B.S. PRECISION NUTRITION & WELLNESS  
CATALOG YEAR: 2022-2023**

**YEAR 1**

**FALL**

MATH 112 College Algebra	3
ENGL 101 First Year Composition	3
NSC 101 Introduction to Human Nutrition	3
NSC 396A Survey of Nutrition Careers	1
GE Core: Exploring Perspectives or Building Connections	3
UNIV 101 Introduction to the General Education Experience (Entry Course)	1
Second Language	4
<b>Total Units</b>	<b>18</b>

**SPRING**

Statistics	3
ENGL 102 First Year Composition	3
NSC 275 Fundamentals of Precision Nutrition & Wellness	2
CHEM 151 General Chemistry I	4
Second Language	4
<b>Total Units</b>	<b>16</b>

**YEAR 2**

**FALL**

NSC 260 Nutrition Communication & Scientific Literacy	3
CHEM 152 General Chemistry II	4
MCB 181R Introductory Biology	3
MCB 181L Introductory Biology Lab	1
Data Analytics & Technology Elective	3
GE Core: Exploring Perspectives or Building Connections	3
<b>Total Units</b>	<b>17</b>

**SPRING**

NSC 370 Emerging Topics in Precision Nutrition & Wellness	3
CHEM 241A Lectures in Organic Chemistry	3
Data Analytics & Technology Elective	3
GE Core: Exploring Perspectives or Building Connections	3
GE Core: Exploring Perspectives or Building Connections	3
<b>Total Units</b>	<b>15</b>

**YEAR 3**

**FALL**

BIOC 384 Metabolic Biochemistry	3
PSIO 201 Human Anatomy & Physiology I	4
NSC 375 Diet, Genes and Diseases	3
NSC 392 or NSC 492 Directed Research	2
Data Analytics & Technology Elective	3
GE Core: Exploring Perspectives or Building Connections	3
<b>Total Units</b>	<b>18</b>

**SPRING**

BIOC 385 Foundations in Biochemistry	3
PSIO 202 Human Anatomy & Physiology II	4
NSC 308 Nutrition & Metabolism	3
Health & Wellness Elective	3
GE Core: Exploring Perspectives or Building Connections	3
<b>Total Units</b>	<b>16</b>

**YEAR 4**

**FALL**

NSC 408 Nutritional Biology	3
NSC 475 Nutrigenomics	3
ECOL 320 Genetics	3
Diet & Genes Elective	3
GE Core: Exploring Perspectives or Building Connections	3
<b>Total Units</b>	<b>15</b>

**SPRING**

NSC 470 Biomarkers of Current Health & Future Disease Status	3
NSC 480 Precision Nutrition & Lifestyle Genomics	3
Health & Wellness Elective	3
Diet & Genes Elective	3
Ethics Elective	3
UNIV 301 General Education Portfolio (Exit Course)	1
<b>Total Units</b>	<b>16</b>

**B.S. PRECISION NUTRITION & WELLNESS  
PREREQUISITE GUIDE**

<b>COURSE NAME</b>	<b>COURSE PREFIX &amp; NUMBER</b>	<b>REQUIRED PREREQUISITES</b>
Introduction to Human Nutrition	NSC 101	None
Nutrition Communication and Scientific Literacy	NSC 260	NSC 101 and ENGL 102; Sophomores, Juniors, and Seniors only
Fundamentals of Precision Nutrition and Wellness	NSC 275	None
Nutrition & Metabolism	NSC 308	NSC 101, CHEM 152, and MCB 181R or PSIO 201
Emerging Topics in Precision Nutrition and Wellness	NSC 370	NSC 275
Diets, Genes and Disease	NSC 375	None
Survey of Nutrition Careers	NSC 396A	None
Nutritional Biology	NSC 408	NSC 308, CHEM 241A, and PSIO 202 or PSIO 380; concurrent enrollment in BIOC 384 or BIOC 385
Precision Nutrition in Biomarkers of Health and Disease	NSC 470	NSC 275 and NSC 308; completion of or concurrent enrollment in BIOC 384 or BIOC 385
Nutrigenomics	NSC 475	NSC 101 and BIOC 384 or BIOC 385
Precision Nutrition & Lifestyle Genomics	NSC 480	NSC 308 and NSC 370; completion of or concurrent enrollment in BIOC 384 or BIOC 385