

# UConn | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

## ALLIED HEALTH SCIENCES Concentration in Health Sciences

### SAMPLE SEQUENCE OF COURSES<sup>§</sup> CATALOG YEAR Beginning 2022-2023

**Pre-Med/Pre-Dent:** Courses in *italics* are required for the MCAT/DAT exams.  
**FALL** **SPRING**

YEAR ONE			
<i>CHEM 1124Q or 1127Q</i> <sup>+</sup>	4	<i>CHEM 1125Q or 1128Q</i> <sup>+</sup>	3-4
<b>MATH 1060Q or higher</b> (Suggest 1131Q for Med/Dent)	3-4	<i>BIOL 1107</i>	4
<b>PSYC 1100</b>	3	<b>PHIL 1000-level</b> (CA-1)	3
<b>ENGL 1007 or 1010 or 1011</b>	4	<b>Elective#</b> (Suggest MATH 1132Q for Med/Dent)	3-4
<b>UNIV 1800 (FYE)</b> (strongly recommended)	(1)	<b>AH 1100</b>	1
	14-16		14-16
YEAR TWO			
<b>Elective #</b> ( <i>BIOL 1108</i> or must take <i>CHEM 1126Q</i> if taking 1124Q, 1125Q and 1126Q sequence) (required for Med/Dent)	3-4	<b>CHEM 2443<sup>+</sup> or 2241<sup>+</sup></b> (major required*; may be taken any semester)	3
<i>PHYS 1201Q or 1401Q or 1501Q</i>	4	<i>PHYS 1202Q or 1402Q or 1502Q</i>	4
<b>General Education</b> (Suggest <i>ENGL lit</i> for Med/Dent – CA-1)	3	<b>Elective#</b> ( <i>BIOL 1108</i> if CHEM 1126Q taken)	3-4
<b>General Education</b> (Suggest <i>SOCI</i> or <i>PSYC</i> – CA-2)	3	<b>General Education</b> (CA-4Int)	4
<b>General Education</b> (CA-4)	3	<b>AH 2001</b> (major required*; may be taken any semester)	2
	16-17		16-17
YEAR THREE			
<b>CHEM 2444<sup>+</sup></b> (major required*; may be taken any semester)	3	<b>AH/CAHNR option*</b>	3
<b>CHEM 2242 or 2445<sup>+</sup></b> (major required*; 2242 not offered in spr.)	1-3	<b>Related Cognate*<sup>f</sup></b> (Suggest <i>MCB 2000</i> )	3-4
<b>Related Cognate*<sup>f</sup></b> (Suggest <i>MCB 2210</i> )	3	<b>Related Cognate*<sup>f</sup></b> (Suggest <i>MCB 2400 or 2410</i> )	3
<b>STAT 1000Q or 1100Q</b>	4	<b>General Education</b> (CA-2)	3
<b>COMM 1000</b> (CA2) or <b>1100</b>	3	<b>Elective#</b>	3
	14-16	<i>This plan completes courses for MCAT and DAT by end of spring semester; may utilize senior year to complete</i>	15-16
YEAR FOUR			
<b>AH/CAHNR option*</b>	3	<b>AH 4239 &amp; 4240W</b> (major required*; may be taken any semester)	3
<b>AH/CAHNR option*</b>	3	<b>AH/CAHNR option*</b> (Suggest AH 3025)	3
<b>Related Cognate*<sup>f</sup></b>	3	<b>AH/CAHNR option*</b>	3
<b>Elective#</b>	3	<b>Elective#</b> (suggest PUBH 3001)	3
<b>Elective#</b>	3	<b>Elective#</b>	3
	15		15

**Total 119-128 credits - 120 credits required for graduation** (total credits vary depending on credits assigned to required, elective, general education, AH major, and related cognate courses). Courses on P/F cannot be used to satisfy general education, AH major, and related cognate courses requirement.

<sup>§</sup> **Schedule sequence** – The above sequence of courses is a *sample*. Actual sequencing may vary based on advising and student goals.

\* **Electives** – The total number of elective courses needed to meet the 120 credits for graduation will vary depending on the number of credits assigned to each course. *Students may need to take additional electives.* Students should track credits for graduation carefully and take elective credits accordingly. Students can utilize electives to complete prerequisite requirements for advanced courses, Minors, Experiential Global Learning (Study Abroad), Internships, Research, and/or courses required for graduate admissions. This plan of study assumes the **foreign language** is completed prior to admission to the university. If a language is required, students may take language courses as electives.

<sup>f</sup> **Related Cognate** – Students typically utilize Related Cognate courses to complete career goal interests and/or graduate program admission criteria. The same course *cannot* be used for an AHS major required, AHS/CAHNR option and a Related Cognate. Students should consult with their advisor for appropriate courses to complete these requirements.

\* **36-Credit Requirement** – 36 credits of coursework 2000-level or above is required for graduation (see reverse side of form). **Please make special note of required courses for this concentration.** Most courses may be taken in any sequence. Not all courses are offered every semester. Some AH major courses are restricted to students in their junior year and above. Some AH major courses require prerequisites. Please consult with your advisor regarding availability and sequencing. Additional courses in AH and CAHNR not used to meet AH major requirements maybe used to meet Related Cognate requirements.

\* **Chemistry sequence:** While the major allows different chemistry sequences to meet program requirements, chemistry sequence taken will be dependent on career goal and graduate program admission criteria. Organic Chemistry (CHEM 2241 and 2242 or 2443, 2444, and 2445) is required for this concentration; NOTE: pre-med/pre-dent requires the 3-course sequence! Students should consult with their advisor for appropriate courses to complete this requirement.

**W course requirements:** Students are required to take 2 “W” skill coded courses. **AH 4240W satisfies the “W” in the major.** Note: AH 4240W requires concurrent enrollment in AH 4239. *Students should take the second “W” as a general education, elective, related cognate, or AH major course.*

**Environmental Literacy:** Students may complete the Environmental Literacy (E) requirement as either a GER, Elective, AH major or Related cognate.

## 36-credit Major Requirements for Allied Health Sciences Major

### Concentration in Health Sciences

Beginning Catalog year: 2022-2023

Students must complete a minimum of 36 credits in the major. Courses meeting the 36-credit major requirements must be 2000-level or above and have a combined grade point average of at least 2.0 (C). Students can include up to 8 credits *only* of coursework from a minor to meet this requirement. Students can include no more than 6 credits in transfer with advisor and department head approval. Students can include no more than six credits of Satisfactory or Unsatisfactory (S/U) coursework. Some courses have prerequisites; students are advised to reference the catalog for course requirements. Some courses may require departmental/advisor/instructor consent; Subject to availability.

<b>Concentration in Health Sciences</b>	
<b>Required</b>	AH 2001 Medical Terminology AH 4239* Research Methods in Allied Health AH 4240W* Writing for Allied Health Research ("W" in the major) *Students must register <u>concurrently</u> for these courses CHEM 2241/2242 or Organic Chemistry (either sequence) 2443/2444/2445
<b>AH/CAHNR Options</b>  Select from: AHS and other CAHNR courses as indicated	<b>Plus 5 additional courses (or 14 credits) from the following:</b> AH 3005 Biostatistics for the Health Professional AH 3021 Environment, Genetics and Cancer AH 3025 Human Physiology in Health and Disease AH 3030 Fundamentals of Brain, Behavior, and health AH 3060 Healthcare Genetics and Genomics AH 3101 Health and Wellness for Life AH 3121 Immunology for the Medical Laboratory Sciences AH 3175E Environmental Health AH 3203 Aging: Implications for Health Professionals AH 3320 Introduction to Infectious Diseases AH 4092 EMT Training (Hartford Hospital EMT program admission required) AH 4225 Genetic Testing and Genomic Medicine AH 4243 Current Issues in Health AH 4297W Honors Thesis in Allied Health Sciences (Honors students only) DGS 3226 Current Genetic Research DGS 4234 Diagnostic Molecular Technologies DGS 4246 Contemporary Issues in Human Genetics KINS 4500 Exercise Physiology (permission # required) KINS 4510 Advanced Topics in Health and Sport Performance (permission # required) NUSC 4236 Metabolism and Functions of Nutrients NUSC 4250 Nutrition for Exercise and Sport PATH 3100 Histologic Structure and Function PATH 4000 Bioinformatics in Molecular Epidemiology of Infectious Diseases PATH 4203 Principles of Antibacterial Development PATH 4300 Principles of Pathobiology
<b>Related Cognate Courses</b>  Select from: additional credits to meet the 36-credit requirement.  Students are advised to consult with their advisor in advance of enrollment. Do not assume all 2000-level or above courses will satisfy this requirement.  <b><u>Approval by advisor and department head is required.</u></b>	Courses should speak to the student's career goals and interests and/or graduate admission requirements. Courses throughout the university and those listed under AH/CAHNR options that are <u>not used</u> to meet that requirement may be used to meet this requirement. Courses must be a <b><u>health-related science course</u></b> (e.g. AH/CAHNR option courses listed above <u>not</u> used to meet that requirement, BIOL, CHEM, MCB, PHYS, PNB or other courses with advisor and department head approval).  *A maximum of 6 credits of combined coursework in AH 3091, AH 3099, AH 2093, AH 3289, AH 4289, AH 4093; DIET 3099; DGS 3999; and MLSC 4099 may also be used to meet this requirement ( <i>provided they are science-based</i> ) with advisor and department head approval.

**Note:** Students may take additional AH department courses to meet elective requirements.