

# BS with a Major in Integrated Health Studies—Concentration in Health and Science

## Degree Requirements

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students must complete university, college, and departmental degree requirements. The degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

Majors in Integrated Health Studies must complete either the Behavioral Health Concentration or the Health and Science Concentration.

Code	Title	Hours
<b>Summary of Requirements</b>		
Required Prerequisite and Collateral Courses		14
Major Requirements		38-52
General Education and Electives to reach Minimum Total Hours		54-68
<b>Total Hours</b>		<b>120</b>

## General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

**Note:** Students are strongly encouraged to satisfy the quantitative reasoning requirement by taking STAT 130 or calculus at the level of MATH 170 or above.

## Required Prerequisite and Collateral Courses

Code	Title	Hours
<b>Required Courses</b>		
Select one of the following sequences in general chemistry:		10
CHEM 122	General Chemistry I Lecture <sup>a</sup>	
CHEM 123	General Chemistry Laboratory I <sup>a</sup>	
CHEM 124	General Chemistry II Lecture <sup>a</sup>	
CHEM 125	General Chemistry Laboratory II <sup>a</sup>	
<b>OR</b>		
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 118	Honors and Majors General and Analytical Chemistry II	
ECON 120	Principles of Microeconomics	4
<b>Total Hours</b>		<b>14</b>

<sup>a</sup> Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements or requirements of the major: CHEM 122/CHEM 123, CHEM 124/CHEM 125

## Major Requirements

Of the 38–52 semester hours for the major, no more than 22 hours may be at the 100 level and at least 6 semester hours must be at the 300 or 400 level.

Code	Title	Hours
<b>Required Core Courses</b>		
AHS 200	Introduction to Integrated Health Sciences	3
BIOS 110	Biology of Cells and Organisms	4
BIOS 120	Biology of Populations and Communities	4
PSCH 100	Introduction to Psychology	4
AHS 375	Ethics, Law and Professionalism in Health Sciences <sup>a</sup>	3
<b>Content Area Courses</b>		
Students must select one course from each of the following content areas:		
<b>Applied Health</b>		<b>3-5</b>
HN 196	Nutrition	
KN 152	Introduction to Exercise Physiology and Health	
KN 251	Human Physiological Anatomy I	
KN 253	Human Anatomy and Physiology I <sup>b</sup>	
PUBH 100	Health and the Public	
<b>Health Economics</b>		<b>3-4</b>
ECON 106	Tobacconomics	
ECON 121	Principles of Macroeconomics	
ECON 215	Health Economics	
<b>Humanities/Social Sciences</b>		<b>3</b>
ANTH 216	Medicine, Culture, and Society	
DHD 101	Disability in U.S. Society	
PHIL 116	Biomedical Ethics	
PSCH 231	Community Psychology	
PSCH 270	Abnormal Psychology	
SOC 105	Social Problems	
<b>Natural Sciences</b>		<b>3-6</b>
BIOS 222 & BIOS 312	Cell Biology and Cell Biology Laboratory <sup>c</sup>	
CHEM 230 & CHEM 233	Organic Chemistry of Biological Systems and Organic Chemistry Laboratory I	
CHEM 232 & CHEM 233	Organic Chemistry I and Organic Chemistry Laboratory I <sup>c</sup>	
PHYS 118	Physics in Modern Medicine	
PHYS 131	Introductory Physics for Life Sciences I	
<b>Concentration Courses</b>		<b>8-16</b>
In addition to Core and Content Area courses, students are required to earn either the Concentration in Behavioral Health or the Concentration in Health and Science.		
<b>Concentration in Health and Science (8-16 hours)</b>		
Select three courses from either the following list or the Natural Sciences and/or Health Economics Content Areas. Courses taken to satisfy the Content Area requirement may not be used to satisfy the requirements of the concentration.		
AHS 393	Synthesis in Health/Rehabilitation Sciences <sup>d</sup>	

AHS 402	Health Inter-professional Seminar	
BIOS 220 & BIOS 310	Genetics and Genetics Laboratory	
BIOS 286 or PSCH 262	The Biology of the Brain Behavioral Neuroscience	
BIOS 320 & BIOS 321	Developmental Biology and Developmental Biology Laboratory <sup>c</sup>	
BIOS 343 & BIOS 443	Animal Physiological Systems and Animal Physiological Systems Laboratory	
BIOS 352	Introductory Biochemistry	
BIOS 365	Human Ecological Systems	
CHEM 234	Organic Chemistry II	
HN 307	Human Nutrition and Metabolism	
LAS 289	LAS Internship <sup>d</sup>	
<b>Total Hours</b>		<b>38-52</b>

- a AHS 375 satisfies the Writing-in-the-Discipline requirement.
- b Credit is not given if the student has credit in KN 251.
- c Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements or requirements of the major: BIOS 222/BIOS 312, BIOS 320/BIOS 321, CHEM 230/CHEM 233 or CHEM 232/CHEM 233.
- d Students who select AHS 393 or LAS 289 must enroll for a minimum of 3 semester hours. Only one course may be counted toward the major.

## Recommended Plan of Study—Integrated Health Studies Major, Concentration in Health and Science

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Quantitative Reasoning Requirement <sup>a</sup>		4-5
Select one of the following: <sup>b</sup>		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	General Chemistry I Lecture and General Chemistry Laboratory I	
General Education Requirement		3
<b>Hours</b>		<b>15-16</b>
<b>Spring Semester</b>		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110 or BIOS 120	Biology of Cells and Organisms <sup>b</sup> or Biology of Populations and Communities	4
Select one of the following: <sup>b</sup>		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	General Chemistry II Lecture and General Chemistry Laboratory II	

AHS 200	Introduction to Integrated Health Sciences	3
<b>Hours</b>		<b>15</b>

### Second Year

#### Fall Semester

BIOS 110 or BIOS 120	Biology of Cells and Organisms <sup>b</sup> or Biology of Populations and Communities	4
ECON 120	Principles of Microeconomics	4
PSCH 100	Introduction to Psychology	4
Foreign Language		4
<b>Hours</b>		<b>16</b>

#### Spring Semester

Health Economics Content Area Selective <sup>c</sup>		3-4
Natural Sciences Content Area Selective <sup>d</sup>		3-6
General Education Requirement		3
General Education Requirement		3
Foreign Language		4
<b>Hours</b>		<b>16-20</b>

### Third Year

#### Fall Semester

Health and Science Concentration Selective <sup>e</sup>		3-6
Applied Health Content Area Selective <sup>f</sup>		3-5
Humanities/Social Sciences Content Area Selective <sup>g</sup>		3
General Education Requirement		3
Foreign Language		4
<b>Hours</b>		<b>16-21</b>

#### Spring Semester

Health and Sciences Concentration Selective <sup>e</sup>		3-6
Health and Sciences Concentration Selective <sup>e</sup>		2-4
General Education Requirement		3
Foreign Language		4
Elective		3
<b>Hours</b>		<b>15-20</b>

### Fourth Year

#### Fall Semester

AHS 375	Ethics, Law and Professionalism in Health Sciences <sup>h</sup>	3
Electives		9
<b>Hours</b>		<b>12</b>

#### Spring Semester

Electives		13
<b>Hours</b>		<b>13</b>
<b>Total Hours</b>		<b>120</b>

- a Majors are strongly encouraged to satisfy the Quantitative Reasoning requirement by taking either STAT 130 or calculus at the level of MATH 170 or above. A grade of C or better is required to satisfy the Quantitative Reasoning requirement.
- b The two Analyzing the Natural World and the two General Education course requirements can be satisfied with BIOS 110, BIOS 120, CHEM 116 or CHEM 122/CHEM 123, and CHEM 118 or CHEM 124/CHEM 125.

- c *Health Economics Content Area requirement may be satisfied by taking one of the following: ECON 106, ECON 121, ECON 215.*
- d *Natural Sciences Content Area requirement may be satisfied by taking one of the following: BIOS 222/BIOS 312, CHEM 232/CHEM 233 or CHEM 230/CHEM 233, PHYS 118, PHYS 131. It is recommended that the BIOS and CHEM lecture and lab be taken over two semesters.*
- e *Courses that may be used to satisfy the Health and Science Concentration are: AHS 393, AHS 402, BIOS 220/BIOS 310, BIOS 286 or PSCH 262, BIOS 320/BIOS 321, BIOS 352, BIOS 343/BIOS 443, CHEM 234, HN 307, and LAS 289, in addition to courses listed under the Natural Sciences and/or Health Economics Content Areas. Courses taken to satisfy the Content Area requirement may not be used to satisfy the requirement of the concentration.*
- f *Applied Health Content Area requirement may be satisfied by taking one of the following: HN 196, KN 152, KN 251, KN 253, PUBH 100.*
- g *Humanities/Social Sciences Content Area requirement may be satisfied by taking one of the following: ANTH 216, DHD 101, PHIL 116, PSCH 231, PSCH 270, SOC 105.*
- h *AHS 375 satisfies the LAS Writing-in-the-Discipline requirement.*

**Note:** Of the total semester hours used to satisfy the requirements of the major, no more than 22 hours may be at the 100 level and at least 6 semester hours must be at the 300 or 400 level.