



TODAY'S LEARNERS. TOMORROW'S HEALTHCARE LEADERS.

Clinical & Medical Sciences

For students entering Fall 2023 or later

The Clinical & Medical Sciences major prepares students for careers or post-graduate work in primary care (e.g., physicians, dentists, optometrists) and allied health professions (e.g., physician assistant, physical therapy, occupational therapy, clinical and laboratory sciences). Students in the Clinical & Medical Sciences major may also focus their education to prepare for research careers in the pharmaceutical industry or entry into graduate programs in the pharmaceutical or biomedical sciences.

This form is a planning tool only - Consult your degree evaluation in Self Service to view how coursework meets degree requirements.

Name _____

Student ID _____

I. Basic Graduation Requirements	
120 - Total Credit Hours	<input type="text"/>
2.0 or Above - Cumulative GPA	<input type="text"/>
Graduation Application - in Self Service	<input type="text"/>

II. Drake Curriculum - Areas of Inquiry (AOI's)		
Course		Credit
Fulfilled by required coursework (22 credits)		
Critical Thinking	HSCI 060/STAT 060	3
Global & Cultural Understanding	HSCI 106	3
Information Literacy	HSCI 172	3
Life Science	BIO 012	3
Physical Science*	CHEM 001/003	4
Quantitative Literacy	MATH 050	3
Values & Ethics	HSCI 105	3
Choose a course (15 credits)		
Artistic Literacy		
Engaged Citizen		
Historical Foundations		
Historical Foundations		
Written Communication		

*One science course must include a lab.

III. All University Required Courses (4 credits)		
Course		Credit
Blueprint for Success (1st semester)*	INTD 025	1
Equity & Inclusion**	HSCI 106	-
First Year Seminar (1st semester)*	FYS ---	3

*These courses may be waived for transfer students

**May be used to fill an AOI; HSCI 106 will satisfy if not already fulfilled - additional credit hours will not be awarded for this requirement

IV. Health Sciences Core Requirements (49 credits)		Credit
BIO 012/L - Pre-Professional Biology I & Lab	fall only*	4
HSCI 020 - Introduction to Health Sciences	fall only*	2
HSCI 021 - Professionalism in Health Care	(HSCI 020) spring only*	2
HSCI 025 - Introduction to the U.S. Health Care System	(30 credits)	3
HSCI 055 - Innovation & Leadership in Health Sciences	(60 credits)	3
HSCI 060 - Statistics in Health Sciences	(MATH 020, 028, or 050) or	3
STAT 060 - Statistics for the Life Sciences	(MATH 020, 028, or 050)	
HSCI 095 - Medical Terminology		1
HSCI 105 - Values & Ethics in Health Sciences	(60 credits) spring only	3
HSCI 106 - Culture Care & Health Literacy	(30 credits) spring only*	3
HSCI 125/L - Medical Physiology & Lab	(BIO 012, HSCI 141) spring only or	4
BIO 129/L - Mammalian Physiology & Lab	(BIO 012 or 013) or	
PHAR 125 - Physiology	(HSCI 141, grade of D or higher) fall only	
HSCI 141/L - Human Anatomy & Lab	(BIO 012) fall only	4
HSCI 155 - Guided Research in Health Sciences I	(HSCI 172) fall only	2
HSCI 156 - Guided Research in Health Sciences II		2
	(HSCI 155, 90 credits) spring only	
HSCI 172 - Evaluating Research	(HSCI 060 or STAT 060) fall only	3
HSCI 196 - Health Sciences Internship I	(HSCI 020, 025, 055, 105) fall only	3
HSCI 197 - Health Sciences Internship II	(HSCI 196, 90 credits) spring only	3
PSY 001 - Introduction to Psychology		4

*Course may also be offered in a J-term or summer semester

V. Clinical & Medical Sciences Courses (22-23 credits)		Credit
BIO 013/L - Pre-Professional Biology II & Lab	spring only*	4
CHEM 001/003 - General Chemistry I & Lab	fall only*	4
CHEM 002/004 - General Chemistry II & Lab	(CHEM 001/003) spring only*	4
CHEM 097/098 - Organic Chemistry I & Lab	(CHEM 002/004) fall only* or	4
PHY 011 - General Physics I	fall only or	
BIO 103/L - Microbiology	(BIO 012 or 013) spring only	5
ECON 002 - Principles of Microeconomics or		3
HSCI 102 - Health Economics	fall only	
MATH 050 - Calculus I	(MATH 020 or high school equivalent)	3

*Course may also be offered in a J-term or summer semester

VI. Elective Courses (45 credits)					
Course	Credit		Course	Credit	

Elective credits include Drake Curriculum requirements not fulfilled by required coursework as well as non-required coursework that permits exploration of and/or advanced study in areas of professional interest within the student's primary degree. Students should review the student handbook for the complete elective policy.

Health Sciences - Clinical & Medical Sciences

Curriculum Guide

First Year					
Fall Semester			Spring Semester		
FYS ---	First Year Seminar	3 CR	HSCI 021	Professionalism in Health Care	2 CR
HSCI 020	Introduction to Health Sciences	2 CR	CHEM 002/4	General Chemistry II & Lab	4 CR
CHEM 001/3	General Chemistry I & Lab (<i>PHSC AOI</i>)	4 CR	BIO 013/L	Pre-Professional Biology II & Lab	4 CR
BIO 012/L	Pre-Professional Biology I & Lab (<i>LIFE AOI</i>)	4 CR	MATH 050	Calculus I (<i>QUAN AOI</i>)	3 CR
INTD 025	Blueprint for Success	1 CR	ELEC ---	Drake Curriculum/Electives	3 CR
Total Semester Credit Hours		14	Total Semester Credit Hours		16
Second Year					
Fall Semester			Spring Semester		
HSCI 025*	Introduction to the US Health Care System	3 CR	HSCI 125/L	Physiology/Lab ¹	4 CR
CHEM 097/98	Org Chem I/Lab (OR PHY 011 OR BIO 103/L ⁴)	4 CR	HSCI 060*	Statistics in Health Sciences ³ (<i>CRIT AOI</i>)	3 CR
PSY 001	Introduction to Psychology	4 CR	HSCI 106*	Culture Care & Health Literacy (<i>GLOB/CITZ AOI</i>)	3 CR
HSCI 141/L	Human Anatomy/Lab	4 CR	ELEC ---	Drake Curriculum/Electives	6 CR
Total Semester Credit Hours		15	Total Semester Credit Hours		16
Third Year					
Fall Semester			Spring Semester		
HSCI 172	Evaluating Research Literature (<i>INFO AOI</i>)	3 CR	HSCI 105	Values & Ethics in Health Sciences (<i>VE AOI</i>)	3 CR
HSCI 095*	Medical Terminology	1 CR	ECON 002	Microeconomics ²	3 CR
HSCI 055*	Innovation & Leadership in Health Sciences	3 CR	ELEC ---	Drake Curriculum/Electives	9 CR
ELEC ---	Drake Curriculum/Electives	9 CR			
Total Semester Credit Hours		16	Total Semester Credit Hours		15
Fourth Year					
Fall Semester			Spring Semester		
HSCI 196	Health Sciences Internship I	3 CR	HSCI 197	Health Sciences Internship II	3 CR
HSCI 155	Guided Research in Health Sciences I	2 CR	HSCI 156	Guided Research in Health Sciences II	2 CR
ELEC ---	Drake Curriculum/Electives	9 CR	ELEC ---	Drake Curriculum/Electives	9 CR
Total Semester Credit Hours		14	Total Semester Credit Hours		14
Total Program Hours: 120					

Bolded courses must be taken in the designated semester unless prior approval by the College is provided.

***Asterisked HSCI courses** have multiple offerings each year; they should be taken within the designated year but can be taken during an alternative semester.

1 = BIO 129/L – Mammalian Physiology or PHAR 125 can be substituted for requirement (courses offered only in fall semester)

2 = HSCI 102 – Health Economics can be substituted for requirement (course offered only in fall semester)

3 = STAT 060 – Statistics for the Life Sciences can be substituted for requirement

4 = BIO 103/L – Microbiology is offered only in spring semester and is 5 credits

Electives (minimum 45 credits): Elective credits include [Drake Curriculum](#) requirements not fulfilled by required coursework (outlined below) as well as non-required coursework that permits exploration of and/or advanced study in areas of professional interest within the student's primary degree. Students should review the [student handbook](#) for the complete elective policy.

Drake Curriculum Areas of Inquiry not fulfilled by required coursework (15 credits): Artistic Literacy, Engaged Citizen, Historical Foundations (2), and Written Communication.