

DRAKE UNIVERSITY
Programs of Study
HS-H/Masters of Sciences in Health Informatics and Analytics (HIA) Program

First Year					
FALL			SPRING		
BIO 012/L	Pre-professional Biology I & Lab (LIFE AOI)	4 CR	ACCT 041	Accounting I	3 CR
FYS	First Year Seminar	3 CR	ECON 002	Microeconomics ¹	3 CR
HSCI 020	INTRODUCTION TO HEALTH SCIENCES	2 CR	ELEC ---	Drake Curriculum/Gen Elec.	6 CR
INTD 025	Bulldog Foundations	1 CR	HSCI 021	Professionalism in Healthcare	2 CR
PSY 001	Intro Psychology	4 CR	MATH 028	Business Calculus (QUANT AOI)	3 CR
Semester Total Credit Hours		14	Semester Total Credit Hours		17
Second Year					
FALL			SPRING		
ECON 010	Macroeconomics	3 CR	ELEC ---	Drake Curriculum/Gen Elec.	3 CR
ELEC ---	Drake Curriculum/General Electives	6 CR	HSCI 025	Introduction to the US Health Care System	3 CR
HSCI 141/L	Human Anatomy/Lab	4 CR	HSCI 060*	Stats in Health Sciences ⁴ (CRIT AOI)	3 CR
HSCI 144	Introduction to Public Health	3 CR	HSCI 106*	Culture Care & Hlth Lit ³ (GLOB/CITZ AOI)	3 CR
Semester Total Credit Hours		16	HSCI 125/L	Physiology & Lab²	4 CR
			Semester Total Credit Hours		
			16		
Third Year					
FALL			SPRING		
FIN 095	Finance	3 CR	ELEC ---	Drake Curriculum/General Elective	3 CR
HSCI 055*	Innovation & Leadership in Health Sciences	3 CR	HSCI 105	VALUES & ETHICS IN HEALTH SCIENCES (VE AOI)	3 CR
HSCI 095*	Medical Terminology	1 CR	HSCI 108	Intro to US Health Care Policy	3 CR
HSCI 143	Epidemiology	3 CR	IS 044	Information Tools	2 CR
HSCI 172	EVALUATING RESEARCH LIT (INFO AOI)	3 CR	MKTG 101	Marketing Principles	3 CR
MGMT 110	Organizational Behavior	3 CR	P-ELEC ---	Professional Electives	3 CR
Semester Total Credit Hours		16	Semester Total Credit Hours		17
Fourth Year					
FALL			SPRING		
HSCI 155	GUIDED RESEARCH IN HEALTH SCIENCES I	2 CR	HSCI 156	GUIDED RESEARCH IN HEALTH SCIENCES II	2 CR
HSCI 196	HEALTH SCIENCES INTERNSHIP I	3 CR	HSCI 197	HEALTH SCIENCES INTERNSHIP II	3 CR
MS HIA ---	Electives	9 CR	MS HIA ---	Electives	9 CR
Semester Total Credit Hours		14	Semester Total Credit Hours		14
Total Program Hours: 124					

Program Notes:

To view remaining MS-HIA requirements, see the [MS-HIA curriculum](#).

The Entrance Exam Requirement is waived through Spring 2022.

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

*Asterisked courses are recommended to be taken in the designated semester, but may be offered in alternative semesters.

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

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

3 = HSCI 106 - Culture Care is requirement for HSCI degree, and may be completed in J-term or Spring, based on availability.

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

Students may declare a Business Minor after successful completion of ACCT 041. **NOTE:** HSCI 102 does not apply to the Business minor.

Drake Curriculum/General Electives (min 24 credits): Drake Curriculum requirements not fulfilled by required courses – Artistic Experience AOI, Engaged Citizen AOI, Historical Foundations AOI (2 courses), Physical Science AOI, and Written Communication AOI. Remaining General Electives will be fulfilled by MS HIA coursework.

Professional Electives (min 15 credits): Professional electives refer to the courses below; other courses may be used as approved. A minimum of 3 credits of professional elective coursework must be completed at the undergraduate level. Additional professional electives will be fulfilled by MS HIA courses. If admitted to the MS HIA program, required credit minimums for Health Sciences and Business Professional Electives are waived.

Biomedical Science Electives

(no minimum)

- *BIO 095-199
- *CHEM 097-199
- *NSCI 001-199
- *PHY 001-199

Health Science Electives

(min 3 credits)

- *PHAR 100-199
- *HSCI 100-199
- *EDUC 172
- *SPAN 154

Business Electives

(min 3 credits)

- *ACCT 042-199
- *BLAW 060-199
- *ECON 011-199
- *FIN 096-199
- *INS 051-199
- *MGMT 111-199
- *MKTG 102-199
- *BUS 005-199

Psychology Electives

(no minimum)

- *PSY 002-199
- *SCSS 081

Leadership Electives

(no minimum)

- *LEAD 050-199

Professional Electives Policy: Core curricula of CPHS degree programs may require professional elective courses that permit exploration of and/or advanced study in areas of professional interest within the student's primary degree. Professional electives provide the student with an opportunity to not only pursue areas of intellectual interest, but also to develop an individual "brand" that may benefit them in their professional or academic future. Students who desire to have a non-approved electives count toward professional elective credit should apply for an exception to program policy prior to taking the course whenever possible. Professional electives must be taken for a grade unless the course is designed as credit/no credit. Students should refer to their degree audit for determination of the total number of required professional electives. Students should review the **student handbook** for the complete professional elective policy and details specific to their degree program.

If not admitted to the MS HIA program, all credit minimums for **Drake Curriculum/General Electives and Professional Electives must be fulfilled to earn a Bachelor of Sciences in Health Sciences.

Experiential Program Notes:

Course Requirements for Accelerated Partner Program and International Internship Students

- The Health Sciences Senior Internship includes the following courses:
 - **HSCI 155: Guided Research I (2 credits)**
 - **HSCI 156: Guided Research II (2 credits)**
 - **HSCI 196: Health Sciences Internship I (3 credits)**
 - **HSCI 197: Health Sciences Internship II (3 credits)**
- Students intending to apply to an accelerated partner program must inform the Health Sciences Experiential Director prior to November 15. If the notification deadline is not met, the student will be required to complete HSCI 196 and 197 in consecutive fall and spring semesters. No other scheduling options for internships or research will be considered following the deadline.
- Any deviation from the above course requirements must be planned in conjunction with the Health Sciences Department Chair and Associate Dean of Curriculum and Assessment (via the Exception to Program Policy Request Form) by November 15 of the student's junior year.
- If alternative arrangements for research courses and/or internships are made, the student is committed to the arranged schedule even if the student is not admitted into the accelerated program.

International Internships

- Students completing internships at international sites may take HSCI 196 and/or HSCI 197 during the summer before senior year.
- Students seeking to complete internships at international sites should contact the Health Sciences Experiential Director no later than November 15 of their junior year.