

HEALTH SCIENCES, BS

PRE-MEDICAL CONCENTRATION



ITHACA
COLLEGE

Department of
Health Sciences and
Public Health

The HSPH Health Sciences – Pre-medical Concentration major is designed for aspiring medical students. Our curriculum emphasizes the core sciences that most medical schools require, including anatomy & physiology, biology, chemistry, and physics. In addition, you gain an understanding of human health in courses featuring human diseases, health systems and policy, nutrition, health disparities, and aging. This approach ensures you will gain knowledge in human health and the healthcare system for your medical career.



CUSTOMIZED CURRICULUM

Our program provides a structured curriculum that meets core science medical school prerequisites for most schools, while offering elective courses to fulfill more specific medical school requirements, explore other areas of interest, or pursue a minor.

HANDS-ON EXPERIENCES

Our students apply their knowledge through fieldwork and volunteer work in various healthcare settings. Participation in research will further strengthen their medical school application.

SUPPORT AND GUIDANCE

The journey to medical school is challenging, and we're here to help. The IC Health Professions Advisory Committee offers crucial guidance on the medical school application process. Regular meetings with your academic advisor provide help with course selection and planning your next steps.

SUCCESSFUL GRADUATES

Our graduates have been accepted at institutions such as Harvard University, University of Connecticut, Drexel College of Medicine, Lake Erie College of Osteopathic Medicine, Philadelphia College Osteopathic Medicine and other top universities and colleges.





ITHACA COLLEGE

Department of Health Sciences & Public Health
Health Sciences - Pre-Medical Concentration Major, BS.

Fall	First Year	Credits
HLTH 10100	Intro to Healthy Aging	3
ICC-ICSM	Ithaca Seminar (ICC)	4
CHEM 12100	Principles of Chemistry	3
CHEM 12200	Principles of Chemistry Lab	1
MATH xxxxx	Statistic Elective (QL)	3-4
MATH 14400, 14500, 15500, or 21600	Total	14-15

Spring	First Year	Credits
CHEM 22100	Organic Chemistry I	3
CHEM 22300	Organic Chemistry I Lab	1
BIO 11900	Fundamentals of Biology I	4
PSYC 10300 or 10400	Gen. or Dev. Psychology	3
WRTG 10600	Academic Writing	4
	Total	15

Fall	Second Year	Credits
EXSS 12000	Anatomy & Physiology I	4
HLTH 20500	Critical Health Issues (DV,SO)	3
CHEM 22200	Organic Chem II	3
CHEM 22400	Organic Chem II Lab	1
MATH 10800 or 11100	Applied Calculus or Calculus I	4
	Total	15

Spring	Second Year	Credits
EXSS 12100	Anatomy & Physiology II	4
HLTH 22900	Human Disease	3
HLTH 20200	Human Nutrition (SC)	3
CHEM 23200	Quantitative Chemistry w/ Lab	4
XXXX xxxxx	Free Elective	1
	Total	15

Fall	Third Year (possible study abroad)	Credits
HLTH 21700	Epidemiological Approaches	3
BIO 12000	Fundamentals of Biology II	4
ICC xxxxx	ICC Humanities	3
PHSY 10100 or PHSY 11700		4
Intro to Physics I or Momentum, Energy & Heat		
XXXX-xxxxx	Free Electives	1
	Total	15

Spring	Third Year	Credits
PHYS 10200 or PHYS 11800		4
Intro to physics II or Classical Fields, Gravity, Momentum...		
ICC xxxxx	ICC Social Science (**Sociology)	3
HLTH 31600	Health Research & Analysis (QL)	3
XXXX xxxxx	Free Elective (**BIOC 33300)	3
XXXX xxxxx	Free Elective	2
	Total	15

Fall	Fourth Year	Credits
HLTH 41700	Public Health: Policy & Justice (WI)	3
ICC xxxxx	ICC Creative Arts	3
HLTH 34900 or 45300		3
Fieldwork in Health or Supervised Research		
XXXX xxxxx	Free Elective	3
XXXX xxxxx	Free Elective	3
	Total	15

Spring	Fourth Year	Credits
HLTH 44400	Leadership in Health (CP)	2
XXXX xxxxx	Free Elective	3
XXXX xxxxx	Free Elective	3
XXXX xxxxx	Free Elective	3
XXXX xxxxx	Free Elective	3
XXXX xxxxx	Free Elective	1
	Total	15-16

B.S. in: 120 Credits

Natural Sciences (SC), Social Sciences (SO), Writing Intensive (WI), Diversity (DV), Quantitative Literacy (QL), ICC Capstone (CP)

** Recommended

Free electives can be used for Minors