Health Science, BS

The health science major offers students a solid academic and experiential foundation that positions them well to pursue graduate and professional school training in the following programs:

- Medicine
- Dentistry
- Veterinary medicine
- Public health
- Physician assistant studies
- Nurse practitioner
- Pharmacy
- Physical therapy
- Social work
- Speech-language pathology

In addition to the required courses for the Bachelor of Science in Health Science, students who are interested in clinical graduate school programs can utilize available elective slots to complete prerequisite courses. The Northeastern PreMed and PreHealth Advising Program (https:// undergraduate.northeastern.edu/prehealth/academics-2/coursework/) provides individualized advising resources to Northeastern undergraduate students and alumni considering careers in the areas of allopathic medicine (MD), osteopathic medicine (DO), dentistry, optometry, physician assistant, podiatric medicine, or veterinary medicine. Please visit the BS Health Science webpage (https://bouve.northeastern.edu/health-sciences/ programs/bs/) to learn more about premed and prehealth pathways.

The health science major is also designed for students who are seeking a strong foundation for a career in health administration and in communitybased health promotion and public health.

Please visit Bouvé College Learning Outcomes (https://bouve.northeastern.edu/learning-outcomes/) for the specific student learning outcomes for this program.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/).

NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/ nupath/).

Public Health Core

Code	Title	Hours
PHTH 1260	The American Healthcare System	4
or PHTH 1261	Comparative Healthcare Systems	
PHTH 2210	Foundations of Biostatistics	4
and PHTH 2211	and Recitation for PHTH 2210	
PHTH 2300	Communication Skills for the Health Professions	4
or PHTH 2301	Communication Skills for the Health Professions—Global	
PHTH 2350	Community and Public Health	4
or PHTH 2351	Community and Public Health - Global	
PHTH 2515	Healthcare Policy and Administration	4
PHTH 4120	Global Perspectives on Discrimination and Health	4
PHTH 4202	Principles of Epidemiology in Medicine and Public Health	4
PHTH 4540	Health Education and Program Planning	4

Science Requirement

Code	Title	Hours
BIOL 1111 and BIOL 1112	General Biology 1 and Lab for BIOL 1111	5
BIOL 1113 and BIOL 1114	General Biology 2 and Lab for BIOL 1113	5
CHEM 1161 and CHEM 1162 and CHEM 1163	General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161	5
MATH 1241	Calculus 1	4
PSYC 1101	Foundations of Psychology	4

Selectives

POLS 3309

Code	Title	Hours
Complete at least three courses from the g	roups listed below with at least two in one category. At least one of the courses	9-13
must be at the 2000 level or higher. Studen	ts may complete additional courses to fulfill a minor, such as global health, nutrition,	

and exercise science. Society and Health ANTH 3441 Medical Anthropology **CRIM 3040** Psychology of Crime HLTH 5280 The (in)Visibility of (dis)Ability in Society **INSH 1300** Introduction to Health and Humanities PHTH 1270 Introduction to Global Health or AFRS 1270 Introduction to Global Health PHTH 2414 Environmental Health PHTH 2616 Rural Health: An Interdisciplinary Seminar PHTH 5214 **Environmental Health** PHTH 5222 Health Advocacy PHTH 5230 **Global Health** PHTH 5234 Economic Perspectives on Health Policy SOCL 1245 Sociology of Poverty SOCL 1246 Environment and Society SOCL 1260 Sociology of Gender SOCL 1295 Drugs and Society SOCL 2225 Sociology of Disability SOCL 2303 Gender and Reproductive Justice SOCL 2485 Environment, Technology, and Society SOCL 3441 Sociology of Health and Illness SOCL 4522 **Environmental Justice** WMNS 1225 Gender. Race. and Medicine

Policy and Administration Healthcare and Medical Economics ECON 1230 ECON 3404 International Food Policy HUSV 2800 Sexual Orientation and Gender Expression HUSV 3900 Social Policy **INNO 2206 Global Social Enterprise** LPSC 2301 Introduction to Law, Policy, and Society **MGMT 3340** Healthcare Management, Innovation, and Design **ORGB 3201 Organizational Behavior** PHTH 4511 Healthcare Management PHTH 4515 Critical Issues in Health and Public-Health Policy PHTH 5232 **Evaluating Healthcare Quality** PHTH 5234 Economic Perspectives on Health Policy **POLS 2395 Environmental Politics and Policy**

Lesbian, Gay, Bisexual, and Transgender Issues in Public Policy

Health Science,	BS	3
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Hours
4-8
Hours
Hours 1

ENGW 1111	First-Year Writing	4
ENGW 3306	Advanced Writing in the Health Professions	4
PHIL 1165	Moral and Social Problems in Healthcare	4

Hours

41

Electives

Code

Complete a minimum of 41 semester hours of general electives. Total elective semester hours required to meet degree completion requirement will depend on student's choice of selectives above.

Health Sciences Major Requirement

A grade of C or higher is required for all BIOL, CHEM, HLTH, HSCI, MATH, and PHTH courses.

Title

Academic Policies and Procedures

Please visit Bouvé College of Health Sciences Undergraduate page (http://catalog.northeastern.edu/undergraduate/health-sciences/) for academic policies and procedures, including Academic Appeals (http://catalog.northeastern.edu/undergraduate/academic-policies-procedures/academic-appeals-policies-procedures/).

Program Requirement

132 total semester hours required

Plan of Study Sample Plan of Study: Four Years, Two Co-ops in Summer2/Fall

Year 1

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Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
HSCI 1000		1 PSYC 1101		4 PHTH 2300		4 Vacation	
PHTH 1260		4 Elective or selective		4 Elective or selective		4	
MATH 1241		4 BIOL 1113 and BIOL 1114		5			
BIOL 1111 and BIOL 1112		5 CHEM 1161 and CHEM 1162 and CHEM 1163		5			
ENGW 1111		4					
		18		18		8	0
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Elective or selective		8 HSCI 2000		1 PHTH 2515		4 Co-op	
PHTH 2350		4 PHTH 2210 and PHTH 2211		4 Elective or selective		4	
PHIL 1165		4 Elective or selective		12			
		16		17		8	0
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Со-ор		ENGW 3306		4 PHTH 4540		4 Со-ор	
Elective or selective		4 PHTH 4202		4 Elective or selective		4	
		Elective or selective		8			
		4		16		8	0
Year 4							
Fall	Hours	Spring	Hours				
Со-ор		PHTH 4120		4			
Elective or selective		4 Capstone course		4			
HSCI 4700		0 Elective or selective		8			
		4		16			

Total Hours: 133

Four Years, Two Co-ops in Spring/Summer 1

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
HSCI 1000		1 BIOL 1113		4 PHTH 2350		4 Vacation		0
PHTH 1260		4 BIOL 1114		1 Elective		4		
PSYC 1101		4 MATH 1241		4				
BIOL 1111		4 Elective		4				
BIOL 1112		1 CHEM 1161		4				
ENGW 1111		4 CHEM 1162		1				
		CHEM 1163		0				
		18		18		8		0
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
HSCI 2000		1 Co-op		Со-ор		PHTH 2300		4
PHTH 2515		4 Elective		4		PHIL 1165		4
PHTH 2210 and PHTH 2211		4						
Electives		8						
		17		4		0		8
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
ENGW 3306		4 Co-op		Со-ор		PHTH 4540		4
PHTH 4202		4 Elective		4 HSCI 4700		0 Elective or selective		4
Elective		4						
Selective		4						
		16		4		0		8
Year 4								
Fall	Hours	Spring	Hours					
PHTH 4120		4 Elective or selective		16				
Elective or selective		8						
Capstone course		4						
		16		16				

Total Hours: 133

¹ Credit count of selective/elective is dependent on credit count of selective/elective in same term to avoid unintended credit overload.