

Health Science and Business Administration, BS (Boston)

The combined major in health science and business administration provides students at Northeastern University with an opportunity to study a curriculum that is synergetic with the growing field of healthcare. This academic combination offers students the knowledge and expertise needed to enter a multitude of careers upon graduation. The degree allows students the unique opportunity to better understand the business side of the healthcare industry. The field is compatible with all the undergraduate concentrations in the D'Amore-McKim School of Business, which prepare students to enter the workforce after graduation.

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 (<https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

NUPath Requirements

All undergraduate students are required to complete the NUPath Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/nupath/>).

Health Science Requirements

Code	Title	Hours
Public Health Core		
PHTH 1260 or PHTH 1261	The American Healthcare System Comparative Healthcare Systems	4
PHTH 2300 or PHTH 2301	Communication Skills for the Health Professions Communication Skills for the Health Professions—Global	4
PHTH 2350 or PHTH 2351	Community and Public Health Community and Public Health - Global	4
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 Requirements		
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
PSYC 1101	Foundations of Psychology	4

Business Administration Requirements

Code	Title	Hours
Required Courses		
ACCT 1201	Financial Accounting and Reporting	4
ACCT 2301	Profit Analysis for Managers and Advisors	4
FINA 2201	Financial Management	4
INTB 1203	International Business and Global Social Responsibility	4
Business Electives		
Complete two of the following:		8
MISM 2301	Introduction to Information Systems and Digital Technologies	
MKTG 2201	Introduction to Marketing	
ORGB 3201 or ORGB 3203	Organizational Behavior Behavioral Aspects of Digital Transformation	

SCHM 2301

Supply Chain and Operations Management

Supporting Course for Business

Complete one of the following:

4

ECON 1115

Principles of Macroeconomics

or ECON 1116

Principles of Microeconomics

Business Concentration

Complete one of the following concentrations:

- Accounting (<https://catalog.northeastern.edu/undergraduate/business/concentrations/accounting/>)
- Accounting and Advisory Services (<https://catalog.northeastern.edu/undergraduate/business/concentrations/accounting-advisory-services/>)
- Brand Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/brand-management/>)
- Business Analytics (<https://catalog.northeastern.edu/undergraduate/business/concentrations/business-analytics/>)
- Corporate Innovation (<https://catalog.northeastern.edu/undergraduate/business/concentrations/corporate-innovation/>)
- Entrepreneurial Startups (<https://catalog.northeastern.edu/undergraduate/business/concentrations/entrepreneurial-startups/>)
- Finance (<https://catalog.northeastern.edu/undergraduate/business/concentrations/finance/>)
- Fintech (<https://catalog.northeastern.edu/undergraduate/business/concentrations/fintech/>)
- Healthcare Management and Consulting (<https://catalog.northeastern.edu/undergraduate/business/concentrations/healthcare-management-consulting/>)
- International Business (<https://catalog.northeastern.edu/undergraduate/business/concentrations/international-business/>) (available only as a second concentration)
- Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/management/>)
- Management Information Systems (<https://catalog.northeastern.edu/undergraduate/business/concentrations/management-information-systems/>)
- Marketing (<https://catalog.northeastern.edu/undergraduate/business/concentrations/marketing/>)
- Marketing Analytics (<https://catalog.northeastern.edu/undergraduate/business/concentrations/marketing-analytics/>)
- Social Innovation and Entrepreneurship (<https://catalog.northeastern.edu/undergraduate/business/concentrations/social-innovation-entrepreneurship/>)
- Supply Chain Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/supply-chain-management/>)

Supporting Courses

Code	Title	Hours
Mathematics Requirement		
MATH 1231	Calculus for Business and Economics (It is highly recommended that students take MATH 1231 or MATH 1241)	4-6
or MATH 1241	Calculus 1	
or MATH 1245	Calculus with Applications	
or MATH 1251	Calculus and Differential Equations for Biology 1	
or MATH 1340	Intensive Calculus for Engineers	
or MATH 1341	Calculus 1 for Science and Engineering	
Statistics Requirement		
PHTH 2210	Foundations of Biostatistics	4
or MATH 2280	Statistics and Software	
or MATH 3081	Probability and Statistics	
or MGSC 2301	Business Statistics	
Capstone		
Complete one of the following:		3-4
HINF 5301	Evaluating Health Technologies	
HSCI 4720	Health Science Capstone—Service ¹	
HSCI 4730	Health Science Capstone—Research ¹	
HSCI 4740	Health Science Capstone Seminar	
HSCI 4970 and HSCI 4971	Junior/Senior Honors Project 1 and Junior/Senior Honors Project 2 ²	
PHTH 4515	Critical Issues in Health and Public Health Policy	
PHTH 4602	Private Guns, Public Health	
PHTH 4616	Addressing Rural Health Inequities	

PHTH 4717	Advancing Health Justice Through the Law
PHTH 5214	Environmental Health
PHTH 5230	Global Health
PHTH 5236	Food, Nutrition, and Health
PHTH 5603	Qualitative Methods
STRT 4501	Strategy in Action

¹ Must complete 0-semester hour Health Science Capstone Introduction (HSCI 4700) course as prerequisite.

² Junior/Senior Honors Project 1 (HSCI 4970) will count as 4 semester hours toward general electives.

Code	Title	Hours
Introduction to College		
Complete one of the following:		1
BUSN 1102	Personal Skill Development for Business	
HSCI 1000	College: An Introduction	

Integrative Requirement

Code	Title	Hours
MGMT 3340	Healthcare Management, Innovation, and Design	4

Code	Title	Hours
Complete one of the following if taking co-op (students must consult with their advisor regarding the appropriate choice for their plan):		1
BUSN 1103	Professional Development for Business Co-op	
HSCI 2000	Professional Development for Bouvé Co-op	

Business Experiential Learning

Code	Title	Hours
Complete at least one of the following:		0-8
BUSN 4945	In-the-Field Experiential Professional Practicum	
COOP 3945	Co-op Work Experience	
COOP 3946	Co-op Work Experience—Half Time	
COOP 3947	Co-op Work Experience Abroad—Half Time	
COOP 3948	Co-op Work Experience Abroad	
EEBA 2945	Internship Experience	
EEBA 2948	Internship Experience Abroad	

Business GPA Requirement

Minimum 2.000 GPA required in all business courses

Health Sciences Major Requirement

A grade of C or higher is required for [the public health core, science requirement, mathematics requirement, statistics requirement](#), and HSCI and PHTH [capstone courses](#). [Students who take College: An Introduction \(HSCI 1000\) and Professional Development for Bouvé Co-op \(HSCI 2000\) must achieve a C or higher.](#)

Program Requirement

131 total semester hours required

Plan of Study

Sample Plans of Study

BOUVÉ—FOUR YEARS, TWO CO-OPS IN SUMMER SECOND HALF/FALL

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ACCT 1201		4 BIOL 1113 and BIOL 1114		5 ECON selective		4 ACCT 2301	4
BIOL 1111 and BIOL 1112		5 ENGW 1111		4 PHTH core course		4 General elective	4

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HSCI 1000	1	PHTH 1260	4				
MATH 1241	4	Concentration course	4				
PSYC 1101	4						
	18		17		8		8
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CHEM 1161 and CHEM 1162 and CHEM 1163	5	HSCI 2000 ¹	1	PHTH core course	4	Co-op	0
FINA 2201	4	MGMT 3340	4	General elective	4		
INTB 1203	4	PHTH 2210	4				
PHTH core course	4	Business elective	4				
		PHTH core course	4				
	17		17		8		0
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Co-op	0	Concentration course	4	ENGW 3306	4	Co-op	0
		Concentration course	4	PHTH core course	4		
		PHTH core course	4				
		General elective	4				
	0		16		8		0
Year 4							
Fall	Hours	Spring	Hours				
Co-op	0	Business elective	4				
		Capstone course	3-4				
		Concentration course	4				
		General elective	4				
	0		15-16				

Total Hours: 132-133

FIVE YEARS, TWO CO-OPS

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
BIOL 1111 and BIOL 1112	5	BIOL 1113 and BIOL 1114	5	Vacation		Vacation	
HSCI 1000 or BUSN 1102	1	CHEM 1161 and CHEM 1162 and CHEM 1163	5				
PHTH 1260	4	ENGW 1111	4				
PSYC 1101	4	Concentration course	4				
MATH 1241 or 1231	4						
	18		18		0		0
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ACCT 1201	4	FINA 2201	4	Vacation		Co-op	0
INTB 1203	4	HSCI 2000 or BUSN 1103 ¹	1				
ECON selective	4	PHTH 2210	4				
PHTH core course	4	PHTH core course	8				
	16		17		0		0
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Co-op	0	ACCT 2301	4	Vacation		Vacation	
		Business elective	4				

		Concentration course	4					
		PHTH core course	4					
		0	16			0		0
Year 4								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
ENGW 3306 or 3304	4	Co-op		0 Co-op		0 Vacation		
MGMT 3340	4							
Business elective	4							
PHTH core course	4							
	16		0			0		0
Year 5								
Fall	Hours	Spring	Hours					
Concentration course	4	Capstone course	3-4					
PHTH core course	4	Concentration course	4					
General electives	8	General electives	8					
	16		15-16					

Total Hours: 132-133

¹ Students that choose to complete at least one co-op experience must complete either Professional Development for Bouvé Co-op (HSCI 2000) or Professional Development for Business Co-op (BUSN 1103), based on home college, prior to co-op.