

# Health Science and Business Administration, BS (Oakland)

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 School of Business and prepares 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
<b>Public Health Core</b>		
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
<b>Science Requirement</b>		
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
<b>Required Courses</b>		
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
<b>Business Electives</b>		
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:

- 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/>)
- Marketing (<https://catalog.northeastern.edu/undergraduate/business/concentrations/marketing/>)
- Social Innovation and Entrepreneurship (<https://catalog.northeastern.edu/undergraduate/business/concentrations/social-innovation-entrepreneurship/>)

**Supporting Courses**

Code	Title	Hours
<b>Mathematics Requirement</b>		
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	
<b>Statistics Requirement</b>		
PTH 2210	Foundations of Biostatistics	4
or MGSC 2301	Business Statistics	
or MATH 2280	Statistics and Software	
or MATH 3081	Probability and Statistics	
<b>Capstone</b>		
Complete one of the following:		3-4
HINF 5301	Evaluating Health Technologies	
HSCI 4720	Health Science Capstone—Service <sup>1</sup>	
HSCI 4730	Health Science Capstone—Research <sup>1</sup>	
HSCI 4740	Health Science Capstone Seminar	
HSCI 4970 and HSCI 4971	Junior/Senior Honors Project 1 and Junior/Senior Honors Project 2 <sup>2</sup>	
PTH 4515	Critical Issues in Health and Public Health Policy	
PTH 4602	Private Guns, Public Health	
PTH 4616	Addressing Rural Health Inequities	
PTH 4717	Advancing Health Justice Through the Law	
PTH 5214	Environmental Health	
PTH 5230	Global Health	
PTH 5236	Food, Nutrition, and Health	
PTH 5603	Qualitative Methods	
STRT 4501	Strategy in Action	

<sup>1</sup> Must complete 0 semester hour Health Science Capstone Introduction (HSCI 4700) pre-requisite course.

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

Code	Title	Hours
<b>Introduction to College</b>		
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 experiences:		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

A minimum 2.000 GPA is 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 or 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 Elective	4
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 <sup>1</sup>		1 PHTH core course		4 Co-op	0
FINA 2201		4 MGMT 3340		4 Elective		4	
INTB 1203		4 PHTH 2210	4				
PHTH core course		4 Business elective	4				

PHTH core course			4					
17			17			8		
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					
		Elective	4					
0			16			8		
Year 4								
Fall	Hours	Spring	Hours					
Co-op	0	Business elective	4					
		Capstone course	3-4					
		Concentration course	4					
		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		
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 <sup>1</sup>	1					
ECON selective	4	PHTH 2210	4					
PHTH core course	4	PHTH core course	8					
16			17			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		
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		

Year 5			
Fall	Hours	Spring	Hours
Concentration course		4 Capstone course	3-4
PHTH core course	4	Concentration course	4
Electives	8	Electives	8
16		15-16	

Total Hours: 132-133

<sup>1</sup> 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.