UNDERGRADUATE STUDENT MANUAL

PROGRAM IN HEALTH SCIENCE

**2026-2027**

**Your Education.**

**Your Direction.**

**Your World.**


**BOSTON UNIVERSITY**

**SARGENT COLLEGE OF HEALTH & REHABILITATION SCIENCES**

**DEPARTMENT OF HEALTH SCIENCES**

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**https://www.bu.edu/sargent/academics/departments-programs/health-sciences/bachelor-of-science-in-health-science/**

## MESSAGE FROM THE HEALTH SCIENCE PROGRAM DIRECTOR

Dear Health Science Student,

Welcome to the Health Science Program. You are now a member of a dynamic group of students, faculty and staff. The Health Science curriculum is designed to offer you an interdisciplinary approach to study health and wellness at the population level. Our focus is global, and our curriculum will equip you to critically engage with and respond to challenges in global public health. The Health Science program will prepare you to work in an environment focused on healthcare and health promotion, and will prepare you to pursue graduate study in clinical and nonclinical health professions.

This Undergraduate Health Science Student Manual is designed as a resource. It will serve as your directory and primary source of information on the health science curriculum, and provides a framework toward a successful undergraduate experience. The specifics of the health science curriculum, contained within this manual, will take you through courses in basic science, health care systems, and public health, alongside your engagement with our general education requirements through the BU Hub. During your senior year, you will complete a 4-credit practicum experience (internship) at one of our affiliated health care sites in the Boston area, or abroad, in collaboration with Boston University's Study Abroad. This practicum experience is one of the distinct strengths of our program. In addition to their formal academic work, our students are very involved in organizations and activities throughout Boston University and the greater Boston communities. We encourage you to participate in student organizations and college life, which will enrich your undergraduate experience and provide you with additional resources.

As faculty, our goal is to challenge and support you as you progress through your undergraduate education. We serve as your academic advisors and foster an environment that encourages student initiative and engagement. We wish you every success in your undergraduate education and beyond.

Sincerely,

Shelley Brown, PhD, MPH
Clinical Associate Professor and
Director Health Science Program
Department of Health Sciences
College of Health and Rehabilitation Sciences: Sargent
College Boston University

TABLE OF CONTENTS


| | | |
|---|---|---|
| I. | Department Faculty and Staff | 4 |
| II. | Program Curriculum | 5 |
| | Sample Health Science Curricula | 8 |
| | Pre-Med/Dental Sample | 12 |
| | Post Baccalaureate Physician's Assistant Sample | 14 |
| | Post Baccalaureate Nurse Practitioner Sample | 16 |
| | Post Baccalaureate Doctor of Physical Therapy Sample | 18 |
| | BS/MPH Sample | 20 |
| III. | Program Curriculum and BU HUB Requirements | 25 |
| IV. | Additional Popular Elective Options | 31 |
| V. | Health Science Practicum Information | 37 |
| VI. | BS/MPH Program | 40 |
| VII. | Study Abroad: Internship Programs | 41 |

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# I. PROGRAM CURRICULUM

**Requirements**

**Sargent College Courses (10 units)**

- SAR HP 150 (0 units; waived for transfers)
- SAR HP 151 (2 units; note: waived for post–first-year transfers)
- SAR HP 252 Health and Disability Across the Lifespan
- SAR HP 353 Organization & Delivery of US Healthcare

**Science Foundations Courses (4 courses)**

- CAS PS 101 General Psychology
- Choose 1 cellular biology course with a lab:
    - CAS BI 105 Introductory Biology for Health Sciences (does not fulfill premed or pre-PA requirements)
    - CAS BI 108 Biology 2
- Choose 1 general chemistry course with a lab:
    - CAS CH 101 General Chemistry I
    - CAS CH 171 Principles of General Chemistry (does not fulfill premed or pre-PA requirements)
- Choose 1 additional Biology course with a lab:
    - CAS BI ** (107, 114, 203, 206, 210, 211, 213, 230, 302, 306, 315)
- Choose 1 additional science course (lab optional):
    - Any additional CAS BI** or CH** course
    - Any CAS PY** course
    - CAS AN 102 Human Biology, Behavior, and Evolution
    - CAS AN 233 Evolutionary Biology of Human Variation
    - CAS NE 101 Introduction to Neuroscience
    - CAS NE 102 Introduction to Cellular and Molecular Biology
    - SAR HS 251 Human Nutrition Sciences
    - SAR HS 342 Exercise Physiology

**Statistics and Computational Courses (6–8 units)**

- Choose 1 of the following:
- CAS MA 113 Elementary Statistics
- CAS MA 115 Statistics I
- CAS MA 116 Statistics II (prereq: CAS MA 115)
- CAS MA 121 Calculus for Life & Social Sciences I
- CAS MA 213 Basic Statistics and Probability
- CAS MA 214 Applied Statistics (prereq: CAS MA 213 or CAS MA 115 or CAS MA 113 or CDS DS 120 or CAS CS 237)
- SPH PH 517 Quantitative Methods for Public Health
- Choose 1 of the following:
- CAS CS 105 Introduction to Databases and Data Mining
- CAS CS 111 Intro to Computer Science 1
- CDS DS 100 Data Speaks Louder than Words

- CDS DS 110 Introduction to Data Science with Python
- SAR HS 340 Geographical Information Systems (2 units)

**Health Science Core Courses (25 units) (all required)**

- SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare
- SAR HS 300 Epidemiology
- SAR HS 325 Introduction to Global Health **(all students must receive a minimum grade of a B-)** or SPH PH 506 Global Health and the World Health Organization (Geneva only)
- SAR HS 345 Global Environmental Health
- SAR HS 354 Health Policy
- SAR HS 440 Qualitative Research Strategies in Global Health
- SAR XXX Designing Your Life Professional Development Course (1 unit)

**Additional Health Science Requirements (14–16 units)**

- Choose 1 course at the 300 level:
    - SAR HS 326 Social Determinants of Health
    - SAR HS 332 Analyzing Bias and Discrimination
    - SAR HS 333 Queering Health
    - SAR HS 346 Global Health Nutrition
    - SAR HS 348 Global Mental Health
- Choose 1 senior seminar at the 400 level:
    - SAR HS 400 Gender and Healthcare
    - SAR HS 430 Global Maternal and Child Health
    - SAR HS 433 Global Health in Humanitarian Emergencies
    - SAR HS 434 Global Health Policy and Governance
    - SAR HS 437 Climate Change and Health: Science and Solutions
    - SAR HS 444 Child Health Programs in Low-Resource Settings
    - SAR HS 450 Non-Infectious Diseases
    - SAR HS 462 Public Health Policy and Advocacy
    - SAR HS 464 Immigrant Health and Well-being
    - SAR HS 480 Comparative Health Systems
    - SPH PH 507 Controversies in International Health (Geneva only)
- Choose 1 of the following courses:
    - CAS PO 308 The Politics of Race and Ethnicity
    - CAS PO 309 The Politics of Gender and Identity in the US
    - CAS PO 313 The Politics and Policy of HBO's The Wire
    - CAS PO 516 Gender and Politics
    - CAS WS 213 Resistance, Protest, and Empowerment: Global Women's Movements
    - CDS DS 291 Spark! Exploring DEI in Tech
    - SAR HS 425 Healthcare Policy and Practice in Ireland (Dublin only)
    - SPH PH 719 Health, Systems, Law and Policy
    - SPH PM 760 Health Law
    - SPH PM 795 Alcohol, Tobacco and Other Drug Policy and Politics
    - WED SE 250 Disability Education and Public Policy
- Choose 1 of the following:

- CAS PS 495 Internship in Health and Human Services
- SAR HS 405 Health Science Practicum

## HEALTH SCIENCE SAMPLE CURRICULUM (Graduation May 2030 and beyond)

| | |
|---|---|
| **Freshman Year**<br><br>*Semester I*<br>CAS BI 105 OR CAS BI 108<br>CAS CH 101 OR CAS CH 171<br>CAS WR 120 First-Year Writing Seminar<br>*Minor or free elective/HUB Requirement<br>SAR HP 150 (0 units) | <br><br>*Semester II*<br>Additional Biology with lab[1]<br>CAS PS 101 General Psychology<br>CAS WR 150 Writing and Research Seminar<br>Minor or free elective/HUB Requirement<br>SAR HP 151 (2 units) |
| **Sophomore Year**<br><br>*Semester I*<br>Additional Science Course[2]<br>SAR HS 325 Intro to Global Health<br>SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare<br>Minor or free elective/HUB Requirement | <br><br>*Semester II*<br>SAR HP 252 Health & Disability X Lifespan<br>SAR HS 345 Global Environmental Health<br>Statistics Requirement[3]<br>Minor or free elective/HUB Requirement |
| **Junior Year**<br><br>*Semester I*<br>SAR HP 353 Org/Del US Health Care<br>SAR HS 354 Health Policy<br>Computational Course Requirement[5]<br>Minor or free elective/HUB Requirement | <br><br>*Semester II*<br>SAR HS 300 Epidemiology<br>SAR HS 3XX Junior Level Elective[4]<br>Minor or free elective/HUB Requirement<br>Minor or free elective/HUB Requirement<br>SAR HS XXX Designing Your Life (1 unit*) |
| **Senior Year**<br><br>*Semester I*<br>SAR HS 440 Qualitative Research Strategies<br>Policy Course Requirement[6]<br>Minor or free elective/HUB Requirement<br>Minor or free elective/HUB Requirement | <br><br>*Semester II*<br>SAR HS 4XX Global Health Senior Seminar[7]<br>SAR HS 405 Health Science Practicum<br>Minor or free elective/HUB Requirement<br>Minor or free elective/HUB Requirement |

Minor elective

Free Elective

HUB Requirement

1. Choose 1 additional Biology course with a lab
    a. CAS BI ** (107, 114, 203, 206, 210, 211, 213, 230, 302, 306, 315)
2. Choose 1 additional science course (lab optional)
    a. Any additional CAS BI** or CH** course
    b. Any CAS PY** course
    c. CAS AN 102 Human Biology, Behavior, and Evolution
    d. CAS AN 233 Evolutionary Biology of Human Variation
    e. CAS NE 101 Introduction to Neuroscience
    f. CAS NE 102 Introduction to Cellular and Molecular Biology
    g. SAR HS 251 Human Nutrition Sciences
    h. SAR HS 342 Exercise Physiology
3. Choose 1 of the following
    a. CAS MA 113 Elementary Statistics
    b. CAS MA 115 Statistics I
    c. CAS MA 116 Statistics II (prereq CAS MS 115)
    d. CAS MA 121 Calculus for Life & Social Sciences I
    e. CAS MA 213 Basic Statistics and Probability
    f. CAS MA 214 Applied Statistics (prereq CAS MA 213 **or** CAS MA 115 **or** CAS MA 113 **or** CDS DS 120 **or** CAS CS 237)
    g. SPH PH 517 Quantitative Methods for Public Health
4. Choose 1 course at the 300 level
    a. SAR HS 332 Analyzing Bias and Discrimination
    b. SAR HS 333 Queering Health
    c. SAR HS 346 Global Health Nutrition

d. SAR HS 348 Global Mental Health
e. SAR HS 463 Social Determinants of Health

5. Choose 1 of the following
    a. CAS CS 105 Introduction to Databases and Data Mining
    b. CAS CS 111 Intro to Computer Science 1
    c. CDS DS 100 Data Speaks Louder than Words
    d. CDS DS 110 Introduction to Data Science with Python
    e. SAR HS 340 Geographical Information Systems (2 units)
6. Choose 1 of the following courses
    a. CAS PO 308 The Politics of Race and Ethnicity
    b. CAS PO 309 The Politics of Gender and Identity in the US
    c. CAS PO 313 The Politics and Policy of HBO's *The Wire*
    d. CAS PO 516 Gender and Politics
    e. CAS WS 213 Resistance, Protest, and Empowerment Global Women's Movements
    f. CDS DS 291 Spark! Exploring DEI in Tech
    g. SAR HS 425 Healthcare Policy and Practice in Ireland (Dublin only)
    h. SPH PH 719 Health, Systems, Law and Policy
    i. SPH PM 760 Health Law
    j. SPH PM 795 Alcohol, Tobacco and Other Drug Policy and Politics
    k. WED SE 250 Disability Education and Public Policy
7. Choose 1 senior seminar at the 400 level
    a. SAR HS 400 Gender and Healthcare
    b. SAR HS 430 Global Maternal and Child Health
    c. SAR HS 433 Global Health in Humanitarian Emergencies
    d. SAR HS 434 Global Health Policy and Governance
    e. SAR HS 437 Climate Change and Health Science and Solutions
    f. SAR HS 444 Child Health Programs in Low-Resource Settings
    g. SAR HS 450 Non-Infectious Diseases

h. SAR HS 462 Public Health Policy and Advocacy

i. SAR HS 464 Immigrant Health and Well-being

j. SPH PH 507 Controversies in International Health (Geneva only)

**HEALTH SCIENCE SAMPLE CURRICULUM FOR PROJECTED APPLICATION TO POST BACCALAUREATE MEDICAL/DENTAL PROGRAMS**

| | |
|---|---|
| **Freshman Year** | |
| *Semester I* | *Semester II* |
| *CAS BI 107 Biology I* | *CAS BI 108 Biology II* |
| *CAS CH 101 General Chemistry I* | *CAS CH 102 General Chemistry II* |
| CAS WR 120 First-Year Writing Seminar | *CAS MA 113 or CAS MA 115 Statistics* |
| *CAS PS 101 General Psychology* | CAS WR 150 Writing and Research Seminar |
| SAR HP 150 (0 units) | SAR HP 151 (2 units) |
| **Sophomore Year** | |
| *Semester I* | *Semester II* |
| *CAS BI 203 Cell Biology* | *CAS BI 315 Systems Physiology* |
| *CAS CH 203 Organic Chemistry I* | *CAS CH 204 Organic Chemistry II* |
| *CAS MA 121 or CAS MA 123 Calculus* | *CAS SO 100 Principles of Sociology or CAS SO 215 Sociology of Health Care* |
| SAR HS 325 Intro to Global Health | SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare |
| **Junior Year** | |
| *Semester I* | *Semester II* |
| *CAS CH 373 Principles of Biochemistry OR CAS BB 421 Biochemistry I* | SAR HS 300 Epidemiology |
| *CAS PY 105 Elementary Physics I* | SAR HP 353 Org/Del US Health Care |
| SAR HP 252 Health & Disability X Lifespan | *CAS PY 106 Elementary Physics II* |
| SAR HS 345 Global Environmental Health | SAR HS 3XX Junior Level Elective[4] |
| | SAR HS XXX Designing Your Life (*) |
| **Senior Year** | |
| *Semester I* | *Semester II* |
| SAR HS 440 Qualitative Research Strategies | SAR HS 4XX Global Health Senior Seminar[7] |
| SAR HS 354 Health Policy | SAR HS 405 Health Science Practicum |
| Policy Course Requirement[6] | Minor or Free Elective/HUB Requirement |
| Computational Course Requirement[5] | Minor or Free Elective/HUB Requirement |

*Students who plan to apply to medical or dental school should plan to meet with a pre-health academic advisor to ensure that all requirements are met appropriately. Admission to graduate

programs is a competitive process. Completion of prerequisite courses does not guarantee admission to graduate school. It is the responsibility of each individual student to communicate with graduate programs to which they plan to apply, and to confirm all specific program prerequisite courses and other requirements.

**Pre-Med/Pre-Dental Requirements**

Students planning to apply to medical or dental school should plan to complete the following requirements in addition to the Health Science major requirements

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 203 Cell Biology
- CAS BI 315 Systems Physiology
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 203 Organic Chemistry 1
- CAS CH 204 Organic Chemistry 2
- CAS CH 373 Principles of Biochemistry OR CAS BB 421 Biochemistry 1
- CAS PY 105 Elementary Physics 1
- CAS PY 106 Elementary Physics 2
- CAS MA 113 Elementary Statistics OR CAS MA 115 Statistics 1
- CAS MA 121 Calculus for the Life and Social Sciences 1 OR CAS MA 123 Calculus 1
- CAS PS 101 General Psychology
- CAS SO 100 Principles of Sociology OR CAS SO 215 Sociology of Health Care

## HEALTH SCIENCE SAMPLE CURRICULUM FOR PHYSICIAN ASSISTANT (PA) PROGRAMS

| | |
|---|---|
| **Freshman Year** | |
| *Semester I* | *Semester II* |
| *CAS BI 107 Biology I* | *CAS BI 108 Biology II* |
| *CAS CH 101 General Chemistry I* | *CAS CH 102 General Chemistry II* |
| CAS WR 120 First-Year Writing Seminar | *CAS MA 113 or CAS MA 115 Statistics* |
| *CAS PS 101 General Psychology* | CAS WR 150 Writing and Research Seminar |
| SAR HP 150 (0 units) | SAR HP 151 (2 units) |
| **Sophomore Year** | |
| *Semester I* | *Semester II* |
| *CAS BI 210 Human Anatomy* | *CAS BI 211 Human Physiology or CAS BI 315 Systems Physiology* |
| *CAS CH 174 Principles of Organic Chemistry* | *CAS SO 100 Principles of Sociology or CAS SO 215 Sociology of Health Care* |
| *CAS MA 121 or CAS MA 123 Calculus* | SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare |
| SAR HS 325 Intro to Global Health | |
| **Junior Year** | |
| *Semester I* | *Semester II* |
| *CAS CH 373 Principles of Biochemistry* | SAR HS 300 Epidemiology |
| SAR HP 252 Health & Disability X Lifespan | SAR HP 353 Org/Del US Health Care |
| SAR HS 345 Global Environmental Health | SAR HS 3XX Junior Level Elective[4] |
| Minor or Free Elective/HUB Requirement | Minor or Free Elective/HUB Requirement |
| | SAR HS XXX Designing Your Life (*) |
| **Senior Year** | |
| *Semester I* | *Semester II* |
| SAR HS 440 Qualitative Research Strategies | SAR HS 4XX Global Health Senior Seminar[7] |
| SAR HS 354 Health Policy | SAR HS 405 Health Science Practicum |
| Policy Course Requirement[6] | Minor or Free Elective/HUB Requirement |
| Computational Course Requirement[5] | Minor or Free Elective/HUB Requirement |

**Physician Assistant (PA) Requirements**

**Pre-requisites vary greatly by program. Students should check specific program requirements to ensure they are taking the appropriate courses.*

Students planning to apply to physician assistant school should plan to complete the following requirements in addition to the Health Science major requirements

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology OR CAS BI 315 Systems Physiology
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 174 Principles of Organic Chemistry
- CAS CH 373 Principles of Biochemistry
- CAS MA 113 Elementary Statistics OR CAS MA 115 Statistics 1
- CAS PS 101 General Psychology

- CAS BI 311 General Microbiology
    - May be required for some programs. Requires CAS BI 203 Cell Biology and CAS BI 206 Genetics as prerequisites
- Medical Terminology may also be required. No longer offered, so must be taken outside of BU

## HEALTH SCIENCE SAMPLE CURRICULUM FOR POST-BACH NURSING PROGRAMS

| | |
|---|---|
| **Freshman Year**<br><br>*Semester I*<br>*CAS BI 107 Biology I OR CAS BI 105 Intro Bio for Health Sciences*<br>*CAS CH 101 General Chemistry I OR CAS CH 171 Principles of General Chemistry*<br>CAS WR 120 First-Year Writing Seminar<br>CAS PS 101 General Psychology<br>SAR HP 150 (0 units) | <br><br>*Semester II*<br>*CAS BI 108 Biology II*<br>*CAS CH 102 General Chemistry II*<br>Statistics Requirement<br>CAS WR 150 Writing and Research Seminar<br>SAR HP 151 (2 units) |
| **Sophomore Year**<br><br>*Semester I*<br>*CAS BI 210 Human Anatomy*<br>*CAS BI 203 Cell Biology (pre-req for BI 311)*<br>*CAS CH 172 Principles of Organic and Biochemistry*<br>SAR HS 325 Intro to Global Health | <br><br>*Semester II*<br>*CAS BI 211 Human Physiology*<br>*CAS BI 206 Genetics (pre-req for BI 311)*<br>*SAR HS 251 Human Nutrition Science*<br>SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare |
| **Junior Year**<br><br>*Semester I*<br>*CAS BI 311 General Microbiology*<br>*CAS PS 241 Developmental Psychology*<br>SAR HP 252 Health & Disability X Lifespan<br>SAR HS 345 Global Environmental Health | <br><br>*Semester II*<br>SAR HS 300 Epidemiology<br>SAR HP 353 Org/Del US Health Care<br>SAR HS 3XX Junior Level Elective[4]<br>Minor or Free Elective/HUB Requirement<br>SAR HS XXX Designing Your Life (*) |
| **Senior Year**<br><br>*Semester I*<br>SAR HS 440 Qualitative Research Strategies<br>SAR HS 354 Health Policy<br>Policy Course Requirement[6]<br>Computational Course Requirement[5] | <br><br>*Semester II*<br>SAR HS 4XX Global Health Senior Seminar[7]<br>SAR HS 405 Health Science Practicum<br>Minor or Free Elective/HUB Requirement<br>Minor or Free Elective/HUB Requirement |

**Post-Bach Nursing School Requirements**

**Pre-requisites may vary by program. Students should check specific program requirements to ensure they are taking the appropriate courses.*

Students planning to apply to a post-bachelors nursing program should plan to complete the following requirements in addition to the Health Science major requirements

- CAS BI 107 Biology 1 (may need based on program)
- CAS BI 108 Biology 2 OR CAS BI 105 Introductory Biology for Health Sciences
    - CGS students could take CAS BI 105 in place of NS 201, but need CGS advisor permission
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology
- CAS BI 311 General Microbiology
    - Requires CAS BI 203 Cell Biology and CAS BI 206 Genetics as prerequisites. Could also take basic microbiology course outside of BU
- SAR HS 251 Human Nutrition Science
- CAS CH 101 General Chemistry 1 OR CAS CH 171 Principles of General Chemistry
- CAS CH 102 General Chemistry 2
- CAS CH 172 Principles of Organic and Biochemistry
- CAS PS 241 Developmental Psychology

## HEALTH SCIENCE SAMPLE CURRICULUM FOR POST BACH PHYSICAL THERAPY PROGRAMS

| | |
|---|---|
| **Freshman Year**<br><br>*Semester I*<br>*CAS BI 107 Biology I OR CAS BI 105 Intro Bio for Health Sciences*<br>*CAS CH 171 Principles of General Chemistry*<br>CAS WR 120 First-Year Writing Seminar<br>CAS PS 101 General Psychology<br>SAR HP 150 (0 units) | <br><br>*Semester II*<br>*CAS BI 108 Biology II*<br>*CAS CH 172 Principles of Organic and Biochemistry*<br>Statistics Requirement<br>CAS WR 150 Writing and Research Seminar<br>SAR HP 151 (2 units) |
| **Sophomore Year**<br><br>*Semester I*<br>*CAS BI 210 Human Anatomy*<br>*CAS MA 121 Calculus for Life Sciences I*<br>SAR HS 325 Intro to Global Health<br>Minor or Free Elective/HUB Requirement | <br><br>*Semester II*<br>*CAS BI 211 Human Physiology*<br>*CAS PS 2XX*<br>SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare<br>Minor or Free Elective/HUB Requirement |
| **Junior Year**<br><br>*Semester I*<br>*SAR HS 342 Exercise Physiology*<br>*CAS PY 105 Elementary Physics I*<br>SAR HP 252 Health & Disability X Lifespan<br>SAR HS 345 Global Environmental Health | <br><br>*Semester II*<br>SAR HS 300 Epidemiology<br>SAR HP 353 Org/Del US Health Care<br>*CAS PY 106 Elementary Physics II*<br>SAR HS 3XX Junior Level Elective[4]<br>SAR HS XXX Designing Your Life (*) |
| **Senior Year**<br><br>*Semester I*<br>SAR HS 440 Qualitative Research Strategies<br>SAR HS 354 Health Policy<br>Policy Course Requirement[6]<br>Computational Course Requirement[5] | <br><br>*Semester II*<br>SAR HS 4XX Global Health Senior Seminar[7]<br>SAR HS 405 Health Science Practicum<br>Minor or Free Elective/HUB Requirement<br>Minor or Free Elective/HUB Requirement |

**Physical Therapy/Athletic Training School Requirements**

**Pre-requisites may vary by program. Students should check specific program requirements to ensure they are taking the appropriate courses.*

Students planning to apply to a post-bachelors nursing program should plan to complete the following requirements in addition to the Health Science major requirements

- CAS BI 107 Biology 1 (may need based on program)
- CAS BI 108 Biology 2 OR CAS BI 105 Introductory Biology for Health Sciences
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology
- CAS CH 171 Principles of General Chemistry
- CAS CH 172 Principles of Organic and Biochemistry
- CAS PY 105 Elementary Physics 1
- CAS PY 106 Elementary Physics 2
- SAR HS 342 Exercise Physiology
- CAS PS 2XX
- CAS MA 121 Calculus for the Life and Social Sciences 1

**HEALTH SCIENCE SAMPLE CURRICULUM FOR APPLICATION TO 5 YEAR BACHELOR OF SCIENCE/MASTER OF PUBLIC HEALTH PROGRAM (4+1 BS/MPH)**

| | |
|---|---|
| **Freshman Year**<br><br>*Semester I*<br>CAS BI 105 OR CAS BI 108<br>CAS CH 101 OR CAS CH 171<br>CAS WR 120 First-Year Writing Seminar<br>*Minor or free elective/HUB Requirement<br>SAR HP 150 (0 units) | <br><br>*Semester II*<br>Additional Biology with lab[1]<br>CAS PS 101 General Psychology<br>CAS WR 150 Writing and Research Seminar<br>Minor or free elective/HUB Requirement<br>SAR HP 151 (2 units) |
| **Sophomore Year**<br><br>*Semester I*<br>Additional Science Course[2]<br>SAR HS 325 Intro to Global Health<br>SAR HS 285 Health Information Literacy: Artificial Intelligence and Ethics in Healthcare<br>Minor or free elective/HUB Requirement | <br><br>*Semester II*<br>SAR HP 252 Health & Disability X Lifespan<br>SAR HS 345 Global Environmental Health<br>Statistics Requirement[3]<br>Minor or free elective/HUB Requirement |
| Application to 4+1 BS/MPH Program occurs during second semester sophomore year or first semester junior year. | |
| **Junior Year**<br><br>*Semester I*<br>SAR HS 300 Epidemiology<br>SAR HP 353 Org/Del US Health Care<br>SAR HS 354 Health Policy<br>Computational Course Requirement[5] | <br><br>*Semester II*<br>SAR HS 3XX Junior Level Elective[4]<br>*SPH PH 517 Quantitative Methods for PH*<br>*SPH PH 718 Leadership and Management*<br>Minor or free elective/HUB Requirement<br>SAR HS XXX Designing Your Life (*) |
| **Senior Year**<br><br>*Semester I*<br>SAR HS 440 Qualitative Research Strategies<br>Policy Course Requirement[6]<br>*SPH PH 719 Health Law, Policy, and Systems*<br>Minor or free elective/HUB Requirement | <br><br>*Semester II*<br>SAR HS 4XX Global Health Senior Seminar[7]<br>SAR HS 405 Health Science Practicum<br>*SPH PH 720 Individual, Community, and Population Health*<br>Minor or free elective/HUB Requirement |

Health Science students may be interested in other pre-clinical pathways. Common prerequisites can be found below. Prerequisites may vary by program. Students should pay close attention to the necessary prerequisites for the programs they plan to apply.

**Dietetics:**

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 114 Human Infectious Diseases
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology
- CAS CH 171 Principles of General Chemistry
- CAS CH 174 Principles of Organic Chemistry
- CAS CH 373 Principles of Biochemistry
- CAS MA 115 Statistics 1
- CAS MA 116 Statistics 2
- SAR HS 251 Human Nutrition Science
- CAS PS 101 General Psychology

*Students interested in the dietetics program at BU must take science sequences

**Optometry:**

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 311 General Microbiology (pre-reqs: CAS BI 203 & CAS BI 206)
- CAS MA 113 Elementary Statistics OR CAS MA 115 Statistics 1 OR CAS MA 213 Basic Statistics and Probability
- CAS MA 121 Calculus for the Life and Social Sciences 1
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 203 Organic Chemistry 1
- CAS CH 204 Organic Chemistry 2 OR CAS CH 174 Principles of Organic Chemistry (depending on program)
- CAS CH 373 Principles of Biochemistry
- Two English Courses
- CAS SO 100 Principles of Sociology
- CAS PY 105 Elementary Physics 1
- CAS PY 106 Elementary Physics 2

**Chiropractic:**

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 203 Organic Chemistry 1
- CAS CH 204 Organic Chemistry 2

**Veterinary:**

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 203 Cell Biology
- CAS BI 206 Genetics
- CAS BI 311 General Microbiology
- CAS BI 302 Vertebrate Zoology
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 203 Organic Chemistry 1
- CAS CH 204 Organic Chemistry 2
- CAS CH 373 Principles of Biochemistry
- CAS PY 105 Elementary Physics 1
- CAS PY 106 Elementary Physics 2

**Pharmacy:**

- CAS BI 107 Biology 1
- CAS BI 108 Biology 2
- CAS BI 210 Human Anatomy
- CAS BI 211 Human Physiology
- CAS BI 311 General Microbiology (pre-reqs: CAS BI 203 & CAS BI 206)
- CAS PS 101 General Psychology OR CAS SO 100 Principles of Sociology
- CAS CH 101 General Chemistry 1
- CAS CH 102 General Chemistry 2
- CAS CH 203 Organic Chemistry 1
- CAS CH 204 Organic Chemistry 2
- CAS PY 105 Elementary Physics 1

- CAS PY 106 Elementary Physics 2
- CAS MA 115 Statistics 1
- CAS MA 123 Calculus 1
- COM or Public Speaking

**CAA (Certified Anesthesia Assistant):**

I. CAS BI 107 Biology 1
II. CAS BI 108 Biology 2
III. CAS BI 210 Human Anatomy
IV. CAS BI 211 Human Physiology
V. CAS MA 121 Calculus for the Life and Social Sciences 1
VI. CAS MA 122 Calculus for the Life and Social Sciences 2 (may be required)
VII. CAS CH 101 General Chemistry 1
VIII. CAS CH 102 General Chemistry 2
IX. CAS CH 203 Organic Chemistry 1
X. CAS CH 204 Organic Chemistry 2
XI. CAS CH 373 Principles of Biochemistry
XII. CAS PY 211 General Physics 1
XIII. CAS PY 212 General Physics 2 (Algebra-based physics often not sufficient – check program)
XIV. Some programs may require CAS BI 203 Cell Biology and CAS BI 311 General Microbiology or other upper level biology courses

## III. PROGRAM CURRICULUM AND BU HUB REQUIREMENTS

Health Science first-year students matriculating in Fall 2018 or later must complete BU Hub requirements during their undergraduate career at Boston University. Rather than require students to take a specific set of courses, the Hub helps them to develop the following six essential capacities, made up of multiple, distinct areas that prepare students for a lifetime of learning and leading:

1. **Philosophical, Aesthetic, and Historical Interpretation (3 units)**
    a. Philosophical Inquiry and Life's Meanings (1 unit)
    b. Aesthetic Exploration (1 unit)
    c. Historical Consciousness (1 unit)
2. **Scientific and Social Inquiry (3 units)**
    a. Scientific Inquiry I (1 unit)
    b. Social Inquiry I (1 unit)
    c. Scientific Inquiry II or Social Inquiry II (1 unit)
3. **Quantitative Reasoning (2 units)**
    a. Quantitative Reasoning I (1 unit)
    b. Quantitative Reasoning II (1 unit)
4. **Diversity, Civic Engagement, and Global Citizenship (4 units)**
    a. The Individual Community (1 unit)
    b. Global Citizenship and Intercultural Literacy (2 units)
    c. Ethical Reasoning (1 unit)
5. **Communication (6 units)**
    a. First-Year Writing Seminar (1 unit)
    b. Writing, Research, and Inquiry (1 unit)
    c. Writing-Intensive Course (2 units)
    d. Oral and/or Signed Communication (1 unit)
    e. Digital/Multimedia Expression (1unit)
6. **Intellectual Toolkit (8 units)**
    a. Critical Thinking (2 units)
    b. Research and Information literacy (2 units)
    c. Teamwork/Collaboration (2 units)
    d. Creativity/Innovation (2 units)
    e. Life skills (no units required)

The Hub measures learning experiences in units, not credits. A unit is *not* the same as a

course or a credit. A four-credit course can carry several Hub units. An approved co-curricular learning experience can also carry a unit. Students need 26 Hub units to be eligible for graduation.

Most students will fulfill Hub requirements in 10-12 courses. The Hub is integrated throughout the undergraduate curriculum. Hub courses can also count toward major and minor requirements (double-dipping is expected). To view a list of hub courses, visit http://www.bu.edu/hub/hub- course

Several required courses for the Health Science Major will fulfill Hub units:

| **Hub Area** | **Health Science** |
|---|---|
| **Philosophical, Aesthetic, and Historical Interpretation (3 units)** | |
| Philosophical Inquiry | Elective BU Hub Course |
| Aesthetic Exploration | Elective BU Hub Course |
| Historical Consciousness | Elective BU Hub Course |
| **Scientific and Social Inquiry (3 units)** | |
| Scientific Inquiry I | *Either CAS BI105: Intro Biology or CAS BI107: Biology 1* |
| Social Inquiry I | **CAS PS101: General Psychology** |
| Scientific or Social Inquiry II | **SAR HS 300: Epidemiology**<br>*SAR HS348: Global Mental Health*<br>**SAR HS440: Qualitative Research Strategies**<br>*SAR HS463: Beyond Germs and Genes*<br>*SAR HS480: Comparative Healthcare Systems* |
| **Quantitative Reasoning (2 units)** | |
| Quantitative Reasoning I | *CAS CH101: General Chemistry I*<br>*CAS CH171: Principles of General Chemistry* |
| Quantitative Reasoning II | **SAR HS 300: Epidemiology** |
| **Diversity, Civic Engagement, and Global Citizenship (4 units)** | |
| Individual in Community | *SAR HS332: Analyzing Bias and Discrimination*<br>*SAR HS400: Gender and Healthcare* |
| Global Citizenship/International Literacy (1) | **SAR HS325: Intro to Global Health** |
| Global Citizenship/International Literacy (2) | **SAR HS345: Global Environmental Public Health**<br>*SAR HS348: Global Mental Health*<br>*SAR HS442: Healthcare Interventions in LMIC*<br>*SAR HS480: Comparative Healthcare Systems* |
| Ethical Reasoning | **SAR HS325: Intro to Global Health**<br>**SAR HS345: Global Environmental Public Health** |
| **Communication (6 units)** | |
| First Year Writing Seminar | CAS WR120: First-Year Writing Seminar |
| Writing, Research, & Inquiry | CAS WR150: Writing, Research, & Inquiry |
| Writing Intensive Course (1) | **SAR HP252: Health & Disability x Lifespan** |
| Writing Intensive Course (2) | **SAR HP353: Org & Delivery of Healthcare** |
| Oral/Signed Communication | **SAR HP151: Intro to Health & Rehab Professions*** |
| Digital/ Multimedia Expression | *SAR HS442: Healthcare Interventions in LMIC*<br>*SAR HS463: Beyond Germs and Genes* |
| **Intellectual Toolkit (8 units)**** | |
| Critical Thinking (1) | **CAS PS101: General Psychology** |

| | |
|---|---|
| Critical Thinking (2) | *CAS BI107 or CAS BI108 or CAS BI114 or CAS BI203 or CAS BI206 or CAS BI211 or CAS BI315 or CAS MA113 or CAS MA115 or CAS MA213 or CAS PS211* |
| Research and Information literacy (1) | *CAS BI105: Intro to Biology*<br>*CAS BI107: Biology 1*<br>*SAR HS400: Gender and Healthcare* |

| | |
|---|---|
| Research and Information literacy (2) | CAS WR150: Writing, Research, & Inquiry<br>*SAR HS 400: Gender and Healthcare* |
| Teamwork/Collaboration (1) | **SAR HS325: Intro to Global Health**<br>*SAR HS442: Healthcare Interventions in LMIC* |
| Teamwork/Collaboration (2) | **SAR HS440: Qualitative Research Strategies**<br>*SAR HS444: Child Health Programs in Low Resource Settings SAR HS463: Beyond Germs and Genes* |
| Creativity/Innovation (1) | Elective BU Hub Course<br>*SAR HS480: Comparative Healthcare Systems* |
| Creativity/Innovation (2) | Elective BU Hub Course |

**BOLD** courses are required for the major
*ITALICIZED* courses are elective options within the major
Courses that are neither bold nor italicized are specified by the BU Hub
**: The Intellectual Toolkit also includes but does not require units in Life Skills
*: SAR HP151 is only required for students entering Sargent College as first year undergraduates

<u>Chemistry</u>
CH 101: Scientific Inquiry 1 + Quantitative Reasoning 1
CH 171: Scientific Inquiry 1 + Quantitative Reasoning 1

<u>Biology</u>
BI 105: Scientific Inquiry 1 + Quantitative Reasoning 1 + Research & Info Literacy
BI 107: Scientific Inquiry 1 + Quantitative Reasoning 1 + Research & Info Literacy + Critical Thinking
BI 108: Scientific Inquiry 2 + Quantitative Reasoning 2 + Critical Thinking + Teamwork/Collaboration
BI 210: Scientific Inquiry 1 + Digital/Multimedia Expression + Creativity/Innovation
BI 211: Scientific Inquiry 2 + Critical Thinking + Teamwork/Collaboration + Writing Intensive

<u>Statistics</u>
MA 113: Quantitative Reasoning 2 + Critical Thinking MA 115: Quantitative Reasoning 2 + Critical Thinking PS 211: Scientific Inquiry 2 + Quantitative Reasoning 1

Required Humanities & Social Sciences
PS 101: Social Inquiry 1 + Ethical Reasoning + Critical Thinking

Sargent Core
HP 151: Oral/Signed
Communication HP 252: Writing
Intensive
HP 353: Writing Intensive

Hubbed HS Courses

HS 300: Scientific Inquiry 2 + Quantitative Reasoning 2

HS 325: Global Citizenship + Ethical Reasoning + Teamwork/Collaboration HS 345: Global Citizenship + Ethical Reasoning

HS 348: Social Inquiry 2 + Global Citizenship

HS 400: Individual in Community + Research & Info Literacy HS 440: Social Inquiry 2 + Teamwork/Collaboration

HS 442: Global Citizenship + Digital/Multimedia Expression + Teamwork/Collaboration HS 444: Ethical Reasoning + Teamwork/Collaboration

HS 463: Social Inquiry 2 + Digital/Multimedia Expression + Teamwork/Collaboration

Hub units our students fulfill via courses outside those required by the HS major

Aesthetic Exploration
Philosophical Inquiry
Historical
Consciousness
Creativity x 2
Individual in Community (may be fulfilled by HS 400)
Digital/Multimedia Expression (may be fulfilled by HS 442 or HS 463)

## IV. ADDITIONAL POPULAR ELECTIVE OPTIONS

**Notes:**

- Courses that are required for your course of study may not be used to fulfill elective requirements.
- Any course (including Humanities and Social Science courses) can be applied towards the general elective requirement. However, the course categories listed under "General" cannot be used to fulfill a Humanities or Social Science requirement (necessary for students who matriculated prior to Fall 2018).
- This list is not complete. Be sure to confirm your elective selections with your advisor.

| Humanities | | | |
|---|---|---|---|
| **College/Course #** | **Course Title** | **Semester** | **Prerequisites** |
| **CAS AH--** | **any Art History course** | | |
| CAS AH 205 | Architecture: An Introduction | 1 | none |
| CAS AH 284 | Arts in America | 2 | none |
| CAS AH 295 | History of Photography | 1 | none |
| CAS AM 200 | Intro to American Studies | 2 | none |
| CAS AR 100 | Great Discoveries in Archaeology | both | none |
| **CAS CL--** | **any Classical Studies course, other than language grammar/vocabulary** | | |
| CAS CL 213 | Greek and Roman Mythology | both | none |
| CAS CL 303 | The Decline and Fall of the Roman Empire | 2 | none |
| CAS CL 305 | Topics in Myth | both | none |
| CAS CL 324 | Greek Drama in Translation | 1 | none |
| **CAS EN --** | **any English course (many exist)** | | |
| CAS EN 175 | Literature and the Art of Film | both | none |
| CAS EN 202 | Introduction to Creative Writing | both | none |
| CAS EN 326 | Voices of Women | 1 | none |
| **CAS L--** | **any Modern Foreign Language course (literature and civilization) – learning the language courses are general electives** | | |
| CAS LC 283 | Chinese Civilization | 1 | none |
| CAS LC 287 | Chinese Cinema | 2 | none |
| CAS LJ 281 | Japanese Civilization | 1 | none |

| | | | |
|---|---|---|---|
| CAS LJ 283 | Modern Japanese Culture in Cinema | 2 | none |
| CAS LK 283 | Modern Korean Culture Through Cinema | 2 | none |
| CAS LL 223 | Introduction to Comparative Literature: Middle Eastern Literature | 1 | none |
| CAS LL 281 | Holocaust Literature and Film | 1 | none |
| CAS LL 315 | Film and Identity in the Islamic World | 2 | none |
| CAS LL 381 | Topics in Gender and Literature | 2 | none |
| CAS LX 250 | Introduction to Linguistics | 1 | none |

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|---|---|---|---|
| **CAS MU --** | **any Music course (appreciation, history, and theory)** | | |
| **CAS PH- -** | **any Philosophy course** | | |
| CAS PH 150 | Introduction to Ethics | both | none |
| CAS PH 251 | Medical Ethics | 1 | 1 PH course or sophomore standing |
| CAS PH 256 | Philosophy of Gender and Sexuality | 2 | 1 PH course or sophomore standing |
| CAS PH 265 | Minds and Machines | 1 | 1 PH course or sophomore standing |
| CAS PH 266 | Mind, Brain & Self | 2 | none |
| CAS PH 270 | Philosophy of Science | 2 | 1 PH course or sophomore standing |
| CAS PH 277 | Philosophy and Methods in the Human Sciences | 1 | none |
| CAS PH 350 | History of Ethics | 1 | 1 PH course or sophomore standing |
| **CAS RN--** | **any Religion course** | | |
| CAS RN 103 | Religions of the World: Eastern | both | none |
| CAS RN 106 | Death and Immortality | both | none |
| CAS RN 239 | Religion and Science | Both | none |
| CAS WS 114 | Women, Society, and Culture: Humanities | both | none |

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|---|---|---|---|
| **CFA MU --** | **any Music appreciation, history, or theory course** | | |
| SED EM 523 | Children's Literature: Overview | 2 | Jrs/Srs & Grad Students Only |

| **Social Sciences** | | | |
|---|---|---|---|
| **College/Course #** | **Course Title** | **Semester** | **Prerequisites** |
| CAS AA 207 | Sociology of Race and Ethnicity (crosslisted with CAS SO 207) | 1 | none |
| CAS AA 309 | African American History | 1 | sophomore standing |
| **CAS AM--** | **any American Studies course** | | |
| CAS AM 200 | Intro to American Studies | 2 | none |
| CAS AN 101 | Introduction to Cultural Anthropology | 2 | none |
| CAS AN 210 | Medical Anthropology | 1 | none |
| **CAS AN--** | **any Anthropology course except AN102 and AN331** | | |
| CAS AN 240 | Legal Anthropology | 1 | none |
| CAS AN 252 | Ethnicity and Identity | 1 | none |
| CAS AN 260 | Sex and Gender in Anthropological Perspective | 2 | none |
| CAS AN 290 | Children and Culture | 1 | none |
| CAS AN 351 | Language, Culture, and Society | 1 | none |
| CAS AN 372 | Psychological Anthropology | 2 | none |
| **CAS AR--** | **any Archaeology course except AR100** | | |
| CAS AR 205 | Origins of Civilization | 1 | none |
| CAS AR 221 | Archaeology of the Islamic World | 2 | none |
| CAS AR 280 | Food, Diet, and Ancient People | 1 | none |
| CAS AR 332 | Greek and Roman Cities | 2 | none |
| **CAS EC--** | **any Economics course** | | |
| **CAS GE--** | **any Geography course** | | |
| **CAS HI--** | **any History course** | | |
| **CAS IR--** | **any International Relations course** | | |
| **CAS PO--** | **any Political Science course** | | |
| CAS PO 241 | Introduction to Public Policy | 2 | none |

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|---|---|---|---|
| **CAS PS--** | **any Psychology course** | | |
| CAS PS 243 | Life Span Developmental Psychology in Health and Illness | 1 | CAS PS 101 and for students in the MMEDIC program, consent of director |
| **CAS SO--** | **any Sociology course** | | |
| CAS SO 205 | The American Family | both | none |
| CAS SO 207 | Sociology of Race and Ethnicity (crosslisted with CAS AA 207) | 2 | none |
| CAS SO 208 | Sociological Approaches to Current Issues | both | none |
| CAS SO 215 | Health and Society | both | none |
| CAS SO 240 | Sexuality and Social Life | both | none |
| CAS SO 418 | Seminar: Sociology of Medicine | 2 | none |
| CAS SO 521 | Seminar: Epidemiology | 2 | none |
| CAS WS 113 | Women, Society, and Culture: Social Sciences | both | none |
| CAS WS 305 | Critical Issues in Women's Studies | both | none |

| General | | | |
|---|---|---|---|
| **College/Course #** | **Course Title** | **Semester** | **Prerequisites** |
| CAS AN 102 | Human Behavioral Biology and Evolution | both | none |
| CAS AN 263 | The Behavioral Biology of Women | 2 | none |
| CAS AS-- | any Astronomy course | | |
| CAS BI-- | any Biology course | | |
| CAS BI 114 | Human Infectious Diseases: AIDS to Tuberculosis | 1 | none |
| CAS BI 203 | Cell Biology | 1 | CAS BI 108 & CAS CH 102 or equivalent Coreq: CAS CH 203 or equivalent. |
| CAS BI 206 | Genetics | 2 | CAS BI 108 or equivalent. Coreq: CAS CH 203 |
| **CAS CH-** | **any Chemistry course** | | |
| **CAS CS--** | **any Computer Science course** | | |
| CAS EC 371 | Environmental Economics | both | CAS EC 201 OR CAS EC 211 OR CAS EC 303 |
| CAS EC 387 | Introduction to Health Economics | both | CAS EC 201 OR CAS EC 211 OR CAS EC 303 |
| **CAS GL--** | **any Geology course** | | |
| **CAS L--** | **any Modern Foreign Language course (language)** | | |
| **CAS MA--** | **any Mathematics course** | | |
| **CAS PY--** | **any Physics course** | | |
| **CFA--** | **any College of Fine Arts course not listed under Humanities** | | |
| **COM CM--** | **any Communication Studies course** | | |
| COM CM 311 | Oral Presentations | both | Permission required |
| COM CM 409 | Persuasion and Public Opinion | both | permission required |
| SAR HS 201 | Introduction to Nutrition | 2 | none |
| SAR HS 300 | Epidemiology | both | CAS MA 113 or equivalent |
| **SED--** | **any School of Education course** | | |
| SED DE 570 | American Sign Language I | both | none |
| SED DS 502 | Adolescent Development | both | none |
| SED EM 550 | Introduction to Educational Media | 1 | Em&T students have priority |
| SED HE 522 | Community Health | 1 | none |
| SED LS 560 | Introduction to Language and Language Acquisition | both | Jr/Sr and Grad Students Only |
| SED SE 250 | Disability, Education, and Public Policy | both | none |

| | | | |
|---|---|---|---|
| SED SE 504 | Severe Disabilities (All Ages): An Introduction | 1 | none |
| **QST--** | **any School of Management course** | | |
| SPH PH 510 | Introduction to Public Health | 2 | none |

## V. THE PRACTICUM (SAR HS 405)

**Overview**:
In a culminating experience in the final year of the Health Science Program, students are required to complete an approved, planned, and supervised practicum at an appropriate partner site in the Boston area or remotely. The practicum is an opportunity for students to apply classroom concepts in a health setting in a directed and focused manner. Students may also be able to complete the practicum requirement through some BU Study Abroad programs (e.g., Geneva, Dublin, London, Sydney).

**Eligibility**:

- Student must have **senior standing** in order to enroll in HS 405
- Students should *not* have completed an internship experience through BU Study Abroad
- Students must register for HS 405 for **4 credits**
- Students can complete the practicum the **summer** before their Senior year or during **fall** or **spring** semester of their Senior year

**Practicum Requirements**:

- Students work a minimum of **120 hours** (approximately **8-12 hours per week** for 12-14 weeks) with their site during the fall or spring semesters. The number of hours per week may vary depending on start date and the sites' needs.
- Students complete **course assignments** throughout the semester, including an e-portfolio
- Site supervisors complete **Midpoint** and **Final Reviews** of the students
- Students receive a **letter grade** for the practicum course based on course assignments and Midpoint and Final Reviews

**Site Selection**:
Arranging a practicum is a process that can take weeks or months and involves the student, practicum faculty, and Sargent's Clinical Education Services office. Most students choose to work with practicum faculty to identify potential sites relevant to their career goals. Students are also encouraged to find practicum opportunities using their own networks or applying to opportunities they come across through Handshake, BU's Internship Gateway, LinkedIn, etc. If a student chooses to identify their own opportunity independent of practicum faculty, the opportunity must be new to the student, meaning it cannot be a continuation of an internship opportunity the student already had or has, cannot be a job, and must be approved by practicum faculty. An opportunity that only involves shadowing will not be approved. Opportunities can be in person, hybrid, or fully remote. Students are allowed to be paid for their practicum experience but must discuss this with their practicum faculty.

**Practicum Planning Process**:
Shortly after registering for HS 405, students will be required to attend a **practicum information**

**session**. The practicum site selection process and course requirements will be explained in detail during the information session.

Prior to applying for practicum opportunities, students must prepare a professional **resume**. Students should use BU's VMock tool and aim for a score of 80 or better.

Students will also be required to complete several **trainings** prior to beginning their practicums. These trainings are coordinated by Sargent's Clinical Education Services office and cover infection prevention, patient privacy, and protection of minors. These are required for all students, regardless of site setting or practicum responsibilities.

Practicum sites may have their own onboarding requirements in addition to Sargent's and may include background checks, mandatory trainings, immunizations, etc.

**Professional Expectations**:
Students are an extension of Boston University and Sargent College while working in their practicums. Professional dress, conduct, and communication are expected at all times.

**If Issues Arise**:
If students experience issues with their site supervisor or anything else related to their practicum, they should contact their HS 405 course instructor immediately.

**Additional Resources**:

I. Health Science Practicum: http://www.bu.edu/hsdeptclined/health-science- program-practicum/
II. Sargent Clinical Education Services office: https://www.bu.edu/sargent/clinical-practice/clinical-education-services/
III. BU Center for Career Development: https://careers.bu.edu/
IV. Curricular Practical Training (CPT) information for students with F-1 visas: https://www.bu.edu/isso/employment-internships/student-off-campus-work-and-training/curricular-practical-training-cpt-f-1/
V. BU Professional Clothing Closet: https://careers.bu.edu/channels/professional-clothing-closet/
VI. BU Yawkey Nonprofit Internship Program: https://careers.bu.edu/resources/yawkey-nonprofit-internship-program/

**Process for Filing a Complaint for an Issue Regarding Distance Education (including field placements, clinical rotations, and academic internships):**

Boston University makes every attempt to resolve student complaints within its academic and administrative departments. Students should first attempt to resolve any concerns by utilizing existing University procedures.

The BU Compliance website and the Academic Bulletin provide information about ways that students and prospective students can report concerns and utilize University complaint procedures. The Massachusetts Department of Higher Education, in its capacity as the State Authorization Reciprocity Agreement (SARA) portal entity for Massachusetts, reviews and evaluates student complaints regarding distance education activities offered by Boston University in accordance with 610 CMR 12.07.

If an issue regarding distance education cannot be resolved internally, please see the process here.

## VI. BACHELOR OF HEALTH SCIENCE AND BU SCHOOL OF PUBLIC HEALTH MASTER'S PROGRAMS

The BS to MPH program, a collaboration between Sargent College and the Boston University School of Public Health (BUSPH). We are happy to support you as you explore opportunities to pursue a master's degree at Boston University.

BUSPH offers several master's degree options, including the MPH as well as a variety of one-year master's programs. We encourage you to review the different program options and requirements using the information below to determine which program best aligns with your interests and career goals.

**Next Steps**

1. **Meet with your academic advisor** to discuss your interests and review the requirements for the master's program you are considering.
2. **Attend a BUSPH information session.** An information session is typically held in September specifically for students interested in these pathways. We will share the date and registration information once it is available.
3. **Meet with Professor Brown.** After attending an information session, please schedule a meeting with Professor Brown to discuss your plans, review any remaining questions, and receive approval to move forward.

To stay informed about BUSPH master's program information sessions, open houses, application deadlines, and other opportunities, please complete the form below:
BUSPH Masters Programs Interest Form
We look forward to supporting you as you explore your options at BUSPH. Here is more info on the masters programs:
BS to MPH
MS in Biostats/Applied Biostatistics - 12 month program
MS in Epidemiology - 12 month program
MS in Public Health Data Science - 12 month program

## VII. STUDY ABROAD

There are a number of study abroad opportunities available to Boston University students, through the Boston University International Programs office as well as other approved opportunities. BU offers courses in 30 cities and 20 countries on six continents, with an unmatched variety of study abroad opportunities for students in the Health Science program. We work with students and the study abroad offices to help students find the appropriate study and work abroad opportunity to enhance academic development and practical application of skills in an international setting.

We look forward to supporting you as you explore your options. Here is more info on the study abroad programs:
https://www.bu.edu/abroad/