UNDERGRADUATE STUDENT MANUAL

PROGRAM IN HEALTH SCIENCE

2020-2021

BOSTON UNIVERSITY

Your Education.

Your Direction.

Your World.

BOSTON UNIVERSITY

COLLEGE OF HEALTH AND REHABILITATION SCIENCES: SARGENT COLLEGE

DEPARTMENT OF HEALTH SCIENCES

Sargent College: Health Science Program Office
635 Commonwealth Avenue 4th floor, room 405
Boston, MA 02215
Hours: Monday – Friday 9:00am-4:00pm
Email: hscience@bu.edu
(617) 358-5477
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,

Bria Dunham, PhD, MPH, CPH
Clinical Assistant Professor and Director,
Health Science Program,
Undergraduate Programs in Public Health
Department of Health Sciences,
Boston University
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I. HEALTH SCIENCE FACULTY AND STAFF

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Senior Program Coordinator  
Room 405  
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II. PROGRAM CURRICULUM

Degree Requirements

Freshman Year
• Biology (2 semesters)
• General Chemistry (1 semester)
• Writing Seminar
• Introduction to Health and Rehabilitation Professions
• Freshman Experience Seminar
• General Psychology
• Hub Requirements

Sophomore Year
• Biology (1 semester)
• Intro to Global Health
• Global Environmental Health
• Health and Disability Across the Life Span
• Microeconomics
• Critical Inquiry
• Statistics
• Hub Requirements

Junior Year
• Organization and Delivery of Health Care
• Epidemiology
• Medical Ethics
• Hub Requirements
• Minor/Specialty Elective

Senior Year
• Qualitative Research in Global Health
• Global Health Senior Seminar (topics vary)
• Health Science Practicum
• Hub Requirements
• Minor/Specialty Elective

A minimum of 128 credits are required for graduation.
HEALTH SCIENCE SAMPLE CURRICULUM

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 1*</td>
<td>Biology 2*</td>
</tr>
<tr>
<td>CASCH171 Principles of General Chem.</td>
<td>CASMA113/MA115/PS211 Statistics</td>
</tr>
<tr>
<td>CASWR120 First-Year Writing Seminar</td>
<td>CASPS101 General Psychology</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>CASWR150 Writing and Research Seminar</td>
</tr>
<tr>
<td>SARHP150 Freshman Experience Seminar (0)</td>
<td>SARHP151 Intro Health &amp; Rehab Prof (2)</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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</thead>
<tbody>
<tr>
<td>Biology 3*</td>
<td>SARHP252 Health &amp; Disability X Lifespan</td>
</tr>
<tr>
<td>SARHS325 Intro to Global Health</td>
<td>CASEC101 Intro to Microeconomics</td>
</tr>
<tr>
<td>CASPH251 Medical Ethics</td>
<td>SARHS345 Global Env. Public Health</td>
</tr>
<tr>
<td>SAR210 Intro to Critical Inquiry (2)</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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</thead>
<tbody>
<tr>
<td>SARHP353 Org/Del US Health Care</td>
<td>SARHS300 Epidemiology</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
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<tr>
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**Senior Year**

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<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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</thead>
<tbody>
<tr>
<td>SARHS405 Health Science Practicum</td>
<td>Global Health Senior Seminar**</td>
</tr>
<tr>
<td>SARHS440 Qualitative Research Strategies</td>
<td>SARHS405 Health Science Practicum</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
</tbody>
</table>

**Comments:** Certain courses can be taken either semester. Please speak with your advisor to insure you are on track.

* All students are required to successfully complete either CAS Bio 105 Intro to Biology **OR** CAS BI 108 Biology II

**Plus two biology courses from the following course list:**

- CAS BI 210 Human Anatomy
- CAS BI 107 Biology I
- CAS BI 114 Human Infectious Diseases (introductory microbiology with lab)
- CAS BI 111 Brain, Hormones, and Behavior (non-lab)
- CAS BI 203 Cell Biology (for students who have taken BI 108, CH 101, and 102)
- CAS BI 206 Genetics (for students who have BI 108 or strong performance in BI 105 and CH 203 or CH 172)
- CAS BI 211 Human Physiology
- CAS BI 230 Behavioral Endocrinology (non-lab)
- CAS BI 311 General Microbiology (for students who have taken BI 203)
- CAS BI 315 Systems Physiology (for students who have taken BI 108 and CH 101 and 102)
- SAR HS 251 Human Nutrition Science (non-lab)
- SAR HS 342 Exercise Physiology
- SAR HS 369 Gross Human Anatomy
- SAR HS 370 Neuroanatomy and Neurophysiology (prereq: SAR HS 369)

Students may complete a maximum of one course from the following non-lab biology options: BI 111, or BI 230, or HS 251.

Other biology courses may be accepted with prior approval of Dr. Bria Dunham, Director of Health Science Program

**The Global Health Senior Seminar** is a smaller, seminar-format course taught within the Health Science major that requires significant in-class discussion, out-of-class reading, and a course project. There are multiple senior seminar courses offered each semester and students may choose between them. Global Health Senior Seminar offerings include:

- SAR HS 400 Gender & Healthcare
- SAR HS 430 Global Maternal and Child Health
- SAR HS 434 Global Health Governance
- SAR HS 441 Neglected Tropical Diseases
- SAR HS 442 Health Interventions in Low- and Middle-Income Countries
- SAR HS 444 Child Health Programs in Low Resource Settings
- SAR HS 445 Emerging Infectious Diseases
- SAR HS 450 Non-Infectious Diseases
- SAR HS 463 Beyond Germs and Genes
- SAR HS 480 Comparative Healthcare Systems

Additional senior seminar courses may be offered on occasion.
HEALTH SCIENCE PROGRAM SAMPLE CURRICULUM: PRE-REQUISITES FOR PROJECTED APPLICATION TO POST BACCALAUREATE MEDICAL/DENTAL PROGRAMS

Freshman Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASBI107 Biology I</td>
<td>CASBI108 Biology II</td>
</tr>
<tr>
<td>CASCH101 General Chem.</td>
<td>CASCH102 General Chem. II</td>
</tr>
<tr>
<td>CASPS101 General Psychology</td>
<td>CASMA113/PS211/MA115 Statistics</td>
</tr>
<tr>
<td>CASWR120 First-Year Writing Seminar</td>
<td>CASWR150 Writing &amp; Research Seminar</td>
</tr>
<tr>
<td>SARHP150 Freshman Experience Seminar (0)</td>
<td>SARHP151 Intro Health &amp; Rehab Prof (2)</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARHS325 Intro to Global Health</td>
<td>CASCH204 Organic Chem. II</td>
</tr>
<tr>
<td>CASCH203 Organic Chem. I</td>
<td>CASEC101 Microeconomics</td>
</tr>
<tr>
<td>CASMA121 or 123 Calculus I</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>SARHP252 Health &amp; Disability Across Lifespan</td>
<td>SARHS345 Global Environmental Health</td>
</tr>
<tr>
<td>SARHS210 Intro to Critical Inquiry (2)</td>
<td></td>
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</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASPH251 Medical Ethics</td>
<td>CASPY106 Elementary Physics II</td>
</tr>
<tr>
<td>CASPY105 Elementary Physics</td>
<td>SARHP353 Org/De US Health Care</td>
</tr>
<tr>
<td>CH373/CH421 Biochemistry</td>
<td>SARHS300 Epidemiology</td>
</tr>
<tr>
<td>CASBI203, BI211 or BI315 Biology III</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARHS440 Qualitative Research Strategies</td>
<td>Global Health Senior Seminar</td>
</tr>
<tr>
<td>SARHS405 Health Science Practicum</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements*</td>
<td>Minor/Specialty Elective/Hub Requirements*</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
</tbody>
</table>

Comments: Certain courses can be taken either semester. Please speak with your advisor to insure you are on track. Cell biology or systems physiology is often recommended as the third bio for med school.

*Good electives for medical and/or dental school are CASBI311 Microbiology and/or SARHS369 Gross Human Anatomy, which you could take in your senior year
Post Baccalaureate Medical/Dental School Continued:

NOTE: Students who plan to apply to Medical School should open a file at the Pre-
Professional Advising Office, which is located at 725 Commonwealth Avenue, Room B2
and can be reached at Preprof@bu.edu. The Director of Pre-Health Advising is Professor
Michelle Sherman (617) 353-4866.

*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.
HEALTH SCIENCE PROGRAM SAMPLE CURRICULUM: INCLUDES PRE-REQUISITE COURSES FOR APPLICATION TO BOSTON UNIVERSITY’S PHYSICIAN ASSISTANT PROGRAM

Please check requirements for PA programs at other institutions.

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>CASBI107 Bio I</td>
<td>CASBI108 Bio II</td>
</tr>
<tr>
<td>CASCH101 Gen Chem</td>
<td>CASCH102 Gen Chem II</td>
</tr>
<tr>
<td>CASPS101 General Psychology</td>
<td>CASMA113/ PS211/MA115 Statistics</td>
</tr>
<tr>
<td>CASWR120 First-Year Writing Seminar</td>
<td>CASWR150 Writing &amp; Research Seminar</td>
</tr>
<tr>
<td>SARHP150 Freshman Experience Seminar (0)</td>
<td>SARHP151 Intro Health &amp; Rehab Prof (2)</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASEC101 Microeconomics</td>
<td>SARHS210 Intro to Critical Inquiry (2)</td>
</tr>
<tr>
<td>CASCH203 Organic Chem I</td>
<td>CASPH251 Medical Ethics</td>
</tr>
<tr>
<td>SARHS325 Intro to Global Health</td>
<td>CASBI206 Genetics</td>
</tr>
<tr>
<td>CASBI203 Cell Biology</td>
<td>SARHP252 Health &amp; Disability X Lifespan</td>
</tr>
<tr>
<td><strong>CASBI315 Systems Physiology or</strong></td>
<td><strong>CASBI211: Human Phys.</strong></td>
</tr>
<tr>
<td><strong>CASBI211: Human Phys.</strong></td>
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</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH273/421 Biochemistry</td>
<td>Biology courses at the 300 or 400 level</td>
</tr>
<tr>
<td>SARHP353 Org/Delivery US Health Care</td>
<td>SARHS300 Epidemiology</td>
</tr>
<tr>
<td>SARHS345 Global Environmental Health</td>
<td><strong>CASBI210 Human Anatomy</strong></td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
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</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology courses at the 300 or 400 level</strong></td>
<td>Global Health Senior Seminar</td>
</tr>
<tr>
<td>CASBI311 Microbiology**</td>
<td>SARHS405 Health Science Practicum</td>
</tr>
<tr>
<td>SARHS440 Qualitative Research Strategies</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>SARHS369 Gross Anatomy or</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td></td>
</tr>
</tbody>
</table>

*Students planning to apply to Boston University’s PA School should plan to take CAS BI 315: Systems Physiology to fulfill the pre-requisite one semester of human or animal physiology. For other PA School programs, CAS BI 211: Human Physiology should be a sufficient option.*

**While Microbiology is not specifically required by Boston University’s PA School Program, it is a requirement for most national PA programs. Please check requirements for programs at other institutions.**
Comments: Certain courses can be taken either semester. Please speak with your advisor to insure you are on track.

Post Baccalaureate Physician Assistant Continued:

Post Baccalaureate Physician Assistant Programs do not have standardized prerequisite course in the same fashion as Medical Schools. Nationally top-ranked PA programs in the past have required 5 Biology and 2 Chemistry courses. Some PA programs specify a minimum of one semester each of general and Organic Chemistry; some have increased the chemistry requirements to two courses of General Chemistry and two courses of Organic Chemistry. A minor in biology fulfills most science prerequisites for pre-PA students. Please note many applicants to post-baccalaureate PA programs will have completed the premed curriculum plus 3 additional biology courses.

Boston University PA Program Admissions example:

Baccalaureate degree with:
* A Science GPA of at least 3.0 (mean ~3.6)
* 1 semester general Biology or Zoology with lab
* 1 semester of human or animal physiology (preferably at the 300 or 400 level)
* Three (3) one semester 300 or 400 level biology courses
* 1 semester general chemistry with lab
* 1 semester organic chemistry with lab
* 1 semester of biochemistry (preferably 300 or 400 level or above)
* GRE scores in the 50th percentile or better.
* English proficiency, demonstrated by a minimum TOEFL score greater than 80 for internet-based exam or 550 for paper-based exam (foreign grads).

*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, to confirm all specific program prerequisite courses, and other requirements. Students planning to apply to PA programs complete five Biology course in total. Please be advised that 1,000 hours of clinical experience are required.*
HEALTH SCIENCE PROGRAM SAMPLE CURRICULUM: INCLUDES PRE-REQUISITE COURSES FOR APPLICATION TO POST BACCALAUREATE NURSING PROGRAMS

Freshman Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASBI105 Human Biology</td>
<td>CASBI210 Human Anatomy</td>
</tr>
<tr>
<td>CAS CH 171 Life Science Chemistry I</td>
<td>CASCH174 Life Science Chemistry II</td>
</tr>
<tr>
<td>CASPS101 General Psychology</td>
<td>CASMA113/PS211/MA115 Statistics</td>
</tr>
<tr>
<td>CASWR120 First-Year Writing Seminar</td>
<td>CASWR150 Writing &amp; Research Sem</td>
</tr>
<tr>
<td>SARHP150 Freshman Experience Seminar (0)</td>
<td>SARHP151 Intro Health &amp; Rehab Prof (2)</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASBI211 Human Physiology</td>
<td>CASEC101 Microeconomics</td>
</tr>
<tr>
<td>CASPH251 Medical Ethics</td>
<td>CASPS241 Developmental Psych</td>
</tr>
<tr>
<td>SARHS210 Intro to Critical Inquiry (2)</td>
<td>SARHS325 Intro to Global Health</td>
</tr>
<tr>
<td>SARHP252 Health &amp; Disability Across Lifespan</td>
<td>SARHS345 Global Environmental Health</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
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Junior Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS BI 114 Human Infectious Diseases</td>
<td>SARHS300 Epidemiology</td>
</tr>
<tr>
<td>SARHS300 Epidemiology</td>
<td>SARHS440 Qualitative Research Strategies</td>
</tr>
<tr>
<td>SARHP353 Org/Del US Health Care</td>
<td>SAR HS 251 Human Nutrition Sciences</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
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</tbody>
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Senior Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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</thead>
<tbody>
<tr>
<td>SARHS440 Qualitative Research Strategies</td>
<td>Global Health Senior Seminar</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>SARHS405 Health Science Practicum</td>
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<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
</tbody>
</table>

Comments: Certain courses can be taken either semester. Please speak with your advisor to insure you are on track.

Post baccalaureate nursing programs do not have standardized prerequisites in the same fashion as medical schools. Programs generally require anatomy, physiology, microbiology, developmental psychology, nutrition, and statistics as a minimum.

There are several different types of post-baccalaureate nursing programs, including accelerated Bachelor of Science in Nursing programs as well as direct-entry Master of Science in Nursing and Nurse Practitioner programs. Please ensure that you are following a course of study that includes the prerequisites for the post-baccalaureate programs to which you plan to apply.
*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, to confirm all specific program prerequisite courses, and other requirements.
HEALTH SCIENCE PROGRAM SAMPLE CURRICULUM: INCLUDES PRE-REQUISITE COURSES FOR APPLICATION TO POST BACCALAUREATE DOCTORATE OF PHYSICAL THERAPY PROGRAMS

Freshman Year

Semester I
CASBI105 Human Biology
CASCH171 Life Science Chemistry I
CASMA118/121 Math requirement
CASWR120 First-Year Writing Seminar
SARHP150 Freshman Experience Seminar (0)

Semester II
CASBI210 Human Anatomy
CASCH 172 Life Sciences Chemistry II
CASP101 General Psychology
CASWR150 Writing & Research Seminar
SARHP151 Intro Health & Rehab Prof (2)

Sophomore Year

Semester I
CASBI211 Human Physiology
CASPY105 Physics I
CASMA113 or PS211 Statistics
SARHP252 Health & Disability Across Lifespan
SARHS210 Intro to Critical Inquiry (2)

Semester II
CASEC101 Microeconomics
CASPY106 Physics II
SARHS 345 Global Environmental Health
Minor/Specialty Elective/Hub Requirements

Junior Year

Semester I
CASPH251 Medical Ethics
SARHP353 Org/Del US Health Care
SARHS325 Intro to Global Health
SARHS300 Epidemiology

Semester II
SARHP412 Abnormal Behavior in Rehab
SARHS342 Exercise Physiology
SARHS300 Epidemiology
Minor/Specialty Elective/Hub Requirements

Senior Year

Semester I
Global Health Senior Seminar
SARHS405 Health Science Practicum
SARHS440 Qualitative Research Strategies
Minor/Specialty Elective/Hub Requirements

Semester II
SARHS369 Gross Human Anatomy
Minor/Specialty Elective/Hub Requirements

Comments: Certain courses can be taken either semester. Please speak with your advisor to insure you are on track.

*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, to confirm all specific program prerequisite courses, and understand other requirements.
HEALTH SCIENCE PROGRAM SAMPLE CURRICULUM: INCLUDES PRE-REQUISITE COURSES FOR APPLICATION TO 5 YEAR BACHELOR OF SCIENCE/MASTERS OF PUBLIC HEALTH (BS/MPH)

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 1</td>
<td>Biology 2</td>
</tr>
<tr>
<td>CASCH171 Life Science Chemistry I</td>
<td>CASMA113/PS211 Statistics</td>
</tr>
<tr>
<td>CASPS101 General Psychology</td>
<td>CASWR150 Writing and Research Sem.</td>
</tr>
<tr>
<td>CASWR120 First-Year Writing Seminar</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>SARHP150 Freshman Experience Seminar (0)</td>
<td>SARHP151 Intro Health &amp; Rehab Prof (2)</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARHS325 Intro to Global Health</td>
<td>CASEC101 Microeconomics</td>
</tr>
<tr>
<td>CASPH251 Medical Ethics</td>
<td>Biology 3</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>SARHP252 Health &amp; Disability Across Lifespan</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>SAR210 Intro. To Critical Inquiry (2)</td>
<td>BS/MPH Application deadline April 1</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARHP353 Org &amp; Delivery of Healthcare</td>
<td>SARHS300 Epidemiology</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>SARHS440 Qualitative Research Strategies</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>SARHS 345 Global Environmental Health</td>
</tr>
<tr>
<td>School of Public Health Course</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>BS/MPH Application deadline October 15</td>
<td>School of Public Health Course</td>
</tr>
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</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Health Senior Seminar</td>
<td>School of Public Health Course</td>
</tr>
<tr>
<td>SARHS405 Health Science Practicum</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>School of Public Health Course</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
<tr>
<td>Minor/Specialty Elective/Hub Requirements</td>
<td>Minor/Specialty Elective/Hub Requirements</td>
</tr>
</tbody>
</table>

**Comments:** Certain courses can be taken either semester. Please speak with your advisor to insure you are on track.

III. PROGRAM CURRICULUM AND BU HUB REQUIREMENTS

Health Science freshmen 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)
   - Philosophical Inquiry and Life’s Meanings (1 unit)
   - Aesthetic Exploration (1 unit)
   - Historical Consciousness (1 unit)

2. Scientific and Social Inquiry (3 units)
   - Scientific Inquiry I (1 unit)
   - Social Inquiry I (1 unit)
   - Scientific Inquiry II or Social Inquiry II (1 unit)

3. Quantitative Reasoning (2 units)
   - Quantitative Reasoning I (1 unit)
   - Quantitative Reasoning II (1 unit)

4. Diversity, Civic Engagement, and Global Citizenship (4 units)
   - The Individual Community (1 unit)
   - Global Citizenship and Intercultural Literacy (2 units)
   - Ethical Reasoning (1 unit)

5. Communication (6 units)
   - First-Year Writing Seminar (1 unit)
   - Writing, Research, and Inquiry (1 unit)
   - Writing-Intensive Course (2 units)
   - Oral and/or Signed Communication (1 unit)
   - Digital/Multimedia Expression (1 unit)

6. Intellectual Toolkit (8 units)
   - Critical Thinking (2 units)
   - Research and Information literacy (2 units)
   - Teamwork/Collaboration (2 units)
   - Creativity/Innovation (2 units)
   - 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-courses/](http://www.bu.edu/hub/hub-courses/)
# PROGRAM CURRICULUM AND BU HUB REQUIREMENTS

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

<table>
<thead>
<tr>
<th>Hub Area</th>
<th>Health Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Philosophical, Aesthetic, and Historical Interpretation (3 units)</strong></td>
<td></td>
</tr>
<tr>
<td>Philosophical Inquiry</td>
<td>CAS PH251: Medical Ethics*</td>
</tr>
<tr>
<td>Aesthetic Exploration</td>
<td>BU Hub Course</td>
</tr>
<tr>
<td>Historical Consciousness</td>
<td>BU Hub Course</td>
</tr>
<tr>
<td><strong>Scientific and Social Inquiry (3 units)</strong></td>
<td></td>
</tr>
<tr>
<td>Scientific Inquiry I</td>
<td>CAS BI05: Intro to Biology</td>
</tr>
<tr>
<td>Social Inquiry I</td>
<td>CAS PS101: General Psychology</td>
</tr>
<tr>
<td>Scientific or Social Inquiry II</td>
<td>SAR HS440: Qualitative Research Strategies</td>
</tr>
<tr>
<td><strong>Quantitative Reasoning (2 units)</strong></td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning I</td>
<td>CAS BI105: Intro to Biology</td>
</tr>
<tr>
<td>Quantitative Reasoning II</td>
<td>CAS MA113: Elementary Statistics</td>
</tr>
<tr>
<td><strong>Diversity, Civic Engagement, and Global Citizenship (4 units)</strong></td>
<td></td>
</tr>
<tr>
<td>Individual in Community</td>
<td>SAR HS 400: Gender in Healthcare</td>
</tr>
<tr>
<td>Global Citizenship/International Literacy (1)</td>
<td>SAR HS 325: Intro to Global Health</td>
</tr>
<tr>
<td>Global Citizenship/International Literacy (2)</td>
<td>SAR HS 345: Global Environmental Public Health</td>
</tr>
<tr>
<td>Ethical Reasoning</td>
<td></td>
</tr>
<tr>
<td><strong>Communication (6 Units)</strong></td>
<td></td>
</tr>
<tr>
<td>First Year Writing Seminar</td>
<td>CAS WR120: First-Year Writing Seminar</td>
</tr>
<tr>
<td>Writing, Research, &amp; Inquiry</td>
<td>CAS WR150: Writing, Research, &amp; Inquiry</td>
</tr>
<tr>
<td>Writing Intensive Course (1)</td>
<td>SAR HP252: Health &amp; Disability x Lifespan*</td>
</tr>
<tr>
<td>Writing Intensive Course (2)</td>
<td>SAR HP353: Org &amp; Delivery of Healthcare*</td>
</tr>
<tr>
<td>Oral/Signed Communication</td>
<td>SAR HP151: Intro to Health &amp; Rehab Professions</td>
</tr>
<tr>
<td>Digital/ Multimedia Expression</td>
<td>SAR HS442: Healthcare Interventions in LMIC</td>
</tr>
<tr>
<td><strong>Intellectual Toolkit</strong></td>
<td></td>
</tr>
<tr>
<td>Critical Thinking (1)</td>
<td>CAS PS101: General Psychology</td>
</tr>
<tr>
<td>Critical Thinking (2)</td>
<td>CAS PH251: Medical Ethics*</td>
</tr>
<tr>
<td>Research and Information literacy (1)</td>
<td>CAS BI105: Intro to Biology</td>
</tr>
<tr>
<td>Research and Information literacy (2)</td>
<td>CAS WR150: Writing, Research, &amp; Inquiry</td>
</tr>
<tr>
<td>Teamwork/Collaboration (1)</td>
<td>SAR HS325: Intro to Global Health</td>
</tr>
<tr>
<td>Teamwork/Collaboration (2)</td>
<td>SAR HS440: Qualitative Research Strategies</td>
</tr>
<tr>
<td>Creativity/Innovation (1)</td>
<td>BU Hub Courses</td>
</tr>
<tr>
<td>Creativity/Innovation (2)</td>
<td>BU Hub Courses</td>
</tr>
<tr>
<td>Life skills (no units required)</td>
<td>BU Hub Courses</td>
</tr>
<tr>
<td>Life skills (no units required)</td>
<td>BU Hub Courses</td>
</tr>
</tbody>
</table>
IV. ELECTIVE CATEGORIES

Students who matriculated prior to Fall 2018 and who are pursuing the Health Science major are required to complete two Humanities elective courses and two Social Science elective courses, in addition to PS 101, EC 101, & PH 251. Electives to fulfill these requirements often come from the following departments. For advice about course selection, please direct further questions to your Faculty Advisor.

HUMANITIES
Art History (AH)
Classical Studies (CL)
English (EN)
Modern Foreign Languages (Literature & Civilization courses only)
Music (Appreciation, History & Theory only)
Philosophy (PH)
Religion (RN)

SOCIAL SCIENCES
Anthropology (AN) except AN102, 331
Archaeology (AR) except courses listed under Humanities and General Electives
Economics (EC)
Geography (GE)
History (HI)
International Relations (IR)
Political Science (PO)
Psychology (PS)
Sociology (SO)

GENERAL
Astronomy (AS)
Biology (BI)
Chemistry (CH)
Communication Studies (CM)
Computer Science (CS)
School of Education (SED)
School of Fine Arts (all those not included under Humanities)
Geology (GL)
School of Management (QST)
Mathematics (MA)
Modern Foreign Languages (language courses)
Physics (PY)
### 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.

<table>
<thead>
<tr>
<th>Humanities</th>
<th>Course Title</th>
<th>Semester</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS AH--</td>
<td>any Art History course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS AH 205</td>
<td>Architecture: An Introduction</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS AH 284</td>
<td>Arts in America</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS AH 295</td>
<td>History of Photography</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS AM 200</td>
<td>Intro to American Studies</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS AR 100</td>
<td>Great Discoveries in Archaeology</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS CL--</td>
<td>any Classical Studies course, other than language grammar/vocabulary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS CL 213</td>
<td>Greek and Roman Mythology</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS CL 303</td>
<td>The Decline and Fall of the Roman Empire</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS CL 305</td>
<td>Topics in Myth</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS CL 324</td>
<td>Greek Drama in Translation</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS EN --</td>
<td>any English course (many exist)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS EN 175</td>
<td>Literature and the Art of Film</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS EN 202</td>
<td>Introduction to Creative Writing</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS EN 326</td>
<td>Voices of Women</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS L--</td>
<td>any Modern Foreign Language course (literature and civilization) – learning the language courses are general electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS LC 283</td>
<td>Chinese Civilization</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS LC 287</td>
<td>Chinese Cinema</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS LJ 281</td>
<td>Japanese Civilization</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS LJ 283</td>
<td>Modern Japanese Culture in Cinema</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS LK 283</td>
<td>Modern Korean Culture Through Cinema</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS LL 223</td>
<td>Introduction to Comparative Literature: Middle Eastern Literature</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS LL 281</td>
<td>Holocaust Literature and Film</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS LL 315</td>
<td>Film and Identity in the Islamic World</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS LL 381</td>
<td>Topics in Gender and Literature</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS LX 250</td>
<td>Introduction to Linguistics</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>College/Course #</td>
<td>Course Title</td>
<td>Semester</td>
<td>Prerequisites</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------------------------------------------</td>
<td>----------</td>
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<tr>
<td>CAS AA 207</td>
<td>Sociology of Race and Ethnicity (crosslisted with CAS SO 207)</td>
<td>1</td>
<td>none</td>
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<tr>
<td>CAS AA 309</td>
<td>African American History</td>
<td>1</td>
<td>sophomore standing</td>
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<tr>
<td>CAS AM--</td>
<td>any American Studies course</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS AN 210</td>
<td>Medical Anthropology</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS AN--</td>
<td>any Anthropology course except AN102 and AN331</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS AR--</td>
<td>any Archaeology course except AR100</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>CAS AR 205</td>
<td>Origins of Civilization</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
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<tr>
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<tr>
<td>CAS AR 221</td>
<td>Archaeology of the Islamic World</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS AR 280</td>
<td>Food, Diet, and Ancient People</td>
<td>1</td>
<td>none</td>
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<tr>
<td>CAS AR 332</td>
<td>Greek and Roman Cities</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS EC--</td>
<td>any Economics course</td>
<td></td>
<td>none</td>
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<tr>
<td>CAS GE--</td>
<td>any Geography course</td>
<td></td>
<td>none</td>
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<tr>
<td>CAS HI--</td>
<td>any History course</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>CAS IR--</td>
<td>any International Relations course</td>
<td></td>
<td>none</td>
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<tr>
<td>CAS PO--</td>
<td>any Political Science course</td>
<td></td>
<td>none</td>
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<tr>
<td>CAS PO 241</td>
<td>Introduction to Public Policy</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS PS--</td>
<td>any Psychology course</td>
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<tr>
<td>CAS PS 243</td>
<td>Life Span Developmental Psychology in Health and Illness</td>
<td>1</td>
<td>CAS PS 101 and for students in the MMEDIC program, consent of director</td>
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<tr>
<td>CAS SO--</td>
<td>any Sociology course</td>
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<td>none</td>
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<tr>
<td>CAS SO 205</td>
<td>The American Family</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS SO 207</td>
<td>Sociology of Race and Ethnicity (crosslisted with CAS AA 207)</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS SO 208</td>
<td>Sociological Approaches to Current Issues</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS SO 215</td>
<td>Health and Society</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS SO 240</td>
<td>Sexuality and Social Life</td>
<td>both</td>
<td>none</td>
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<tr>
<td>CAS SO 418</td>
<td>Seminar: Sociology of Medicine</td>
<td>2</td>
<td>none</td>
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<tr>
<td>CAS SO 521</td>
<td>Seminar: Epidemiology</td>
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<td>none</td>
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<tr>
<td>CAS WS 113</td>
<td>Women, Society, and Culture: Social Sciences</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS WS 305</td>
<td>Critical Issues in Women’s Studies</td>
<td>both</td>
<td>none</td>
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<tr>
<td>College/Course #</td>
<td>Course Title</td>
<td>Semester</td>
<td>Prerequisites</td>
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<tr>
<td>CAS AN 102</td>
<td>Human Behavioral Biology and Evolution</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>CAS AN 263</td>
<td>The Behavioral Biology of Women</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>CAS AS--</td>
<td>any Astronomy course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS BI--</td>
<td>any Biology course</td>
<td></td>
<td></td>
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<tr>
<td>CAS BI 114</td>
<td>Human Infectious Diseases: AIDS to Tuberculosis</td>
<td>1</td>
<td>none</td>
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<tr>
<td>CAS BI 203</td>
<td>Cell Biology</td>
<td>1</td>
<td>CAS BI 108 &amp; CAS CH 102 or equivalent Coreq: CAS CH 203 or equivalent.</td>
</tr>
<tr>
<td>CAS BI 206</td>
<td>Genetics</td>
<td>2</td>
<td>CAS BI 108 or equivalent. Coreq: CAS CH 203</td>
</tr>
<tr>
<td>CAS CH--</td>
<td>any Chemistry course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS CS--</td>
<td>any Computer Science course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS EC 371</td>
<td>Environmental Economics</td>
<td>both</td>
<td>CAS EC 201 OR CAS EC 211 OR CAS EC 303</td>
</tr>
<tr>
<td>CAS EC 387</td>
<td>Introduction to Health Economics</td>
<td>both</td>
<td>CAS EC 201 OR CAS EC 211 OR CAS EC 303</td>
</tr>
<tr>
<td>CAS GL--</td>
<td>any Geology course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS L--</td>
<td>any Modern Foreign Language course (language)</td>
<td></td>
<td></td>
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<tr>
<td>CAS MA--</td>
<td>any Mathematics course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS PY--</td>
<td>any Physics course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFA--</td>
<td>any College of Fine Arts course not listed under Humanities</td>
<td></td>
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</tr>
<tr>
<td>COM CM--</td>
<td>any Communication Studies course</td>
<td></td>
<td></td>
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<tr>
<td>COM CM 311</td>
<td>Oral Presentations</td>
<td>both</td>
<td>Permission required</td>
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<tr>
<td>COM CM 409</td>
<td>Persuasion and Public Opinion</td>
<td>both</td>
<td>permission required</td>
</tr>
<tr>
<td>SAR HS 201</td>
<td>Introduction to Nutrition</td>
<td>2</td>
<td>none</td>
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<tr>
<td>SAR HS 300</td>
<td>Epidemiology</td>
<td>both</td>
<td>CAS MA 113 or equivalent</td>
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<tr>
<td>SED--</td>
<td>any School of Education course</td>
<td></td>
<td></td>
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<tr>
<td>SED DE 570</td>
<td>American Sign Language I</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>SED DS 502</td>
<td>Adolescent Development</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>SED EM 550</td>
<td>Introduction to Educational Media</td>
<td>1</td>
<td>Em&amp;T students have priority</td>
</tr>
<tr>
<td>SED HE 522</td>
<td>Community Health</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>SED LS 560</td>
<td>Introduction to Language and Language Acquisition</td>
<td>both</td>
<td>Jr/Sr and Grad Students Only</td>
</tr>
<tr>
<td>SED SE 250</td>
<td>Disability, Education, and Public Policy</td>
<td>both</td>
<td>none</td>
</tr>
<tr>
<td>SED SE 504</td>
<td>Severe Disabilities (All Ages): An Introduction</td>
<td>1</td>
<td>none</td>
</tr>
<tr>
<td>QST--</td>
<td>any School of Management course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPH PH 510</td>
<td>Introduction to Public Health</td>
<td>2</td>
<td>none</td>
</tr>
</tbody>
</table>
V. THE PRACTICUM (SAR HS405)

The mission of the Health Science degree program is to provide undergraduates with an interdisciplinary approach to the study of health science, the broad perspective of health and wellness at the population level, and to explore health care systems. The program is committed to educating students to pursue employment in the health care field or graduate level education in a health professional field e.g. public health, rehabilitation sciences, medical sciences, social work, health administration and management, or laboratory science.

In a culminating experience in the final year of the Program, students complete their practicum at an appropriate partner site in the Boston area. This is an opportunity for students to apply their classroom concepts to a working health care related setting addressing population health needs in a directed and focused manner. Careful selection of available courses and a successful practicum experience will optimize employment opportunities and admission to desired graduate degree programs.

*Please see Practicum Website for more detailed information on practicum structure and requirements: [http://www.bu.edu/hsdeptclined/health-science-program-practicum/](http://www.bu.edu/hsdeptclined/health-science-program-practicum/)

**Prerequisites:**
Students are required to complete courses in the following prior to start of the practicum:

- Biological sciences
- Chemical sciences
- Humanities
- Epidemiology
- Health Care Organization and Delivery
- Electives in health-related disciplines

**Practicum Course Requirements:**
This option engages the student in a process of goal setting, self-evaluation, and critical reflection on the links between theory and practice.

| Credits: | 4 credits, graded |
| Terms: | Summer, Fall, and Spring |
| Hours/week: | Generally, ten (10) hours per week for twelve (12) weeks. |
Additional Information about Health Science Practicum

Planning:
Arranging a practicum is a process that involves student, faculty, and staff-initiated activities. Through a combination of individual research and preparation as well as meeting with the Academic Clinical Coordinator, students should determine the type of practicum that best fits into their academic plan. Students can initiate their practicum search in various ways: through personal and/or professional contacts, through faculty recommendations, through independent searches, or through opportunities discussed with the Academic Clinical Coordinator.

Prior to Anticipated Start Date:
Prepare your resume with the assistance of Career Services office:
   Email: http://www.bu.edu/careers/
   Phone: 617-353-3590

Evaluation & Grading
The student’s final grade is based on satisfactory completion of all practicum requirements. Students will receive a letter grade for this course. Please see “Practicum Grading” section of the Practicum Manual for more information.

Student’s Role:
The HS Practicum course presents the opportunity for students to apply their classroom learning in a practical health setting and learn additional skills from professionals in the field. Course requirements:

• Completion of a minimum of 120 on-site work hours
• Approval of Academic Clinical Coordinator
• Approved Learning Contract signed by Site Supervisor (due 2 weeks after practicum start)
• Participation in required practicum seminars:
  ❑ Practicum-related integration seminars offered throughout the semester
• Midpoint Review
• Journal Entries (2)
• Poster Presentation
• Two-part evaluation:
  ❑ Site Supervisor Evaluation of Student (Site Supervisor with student)
  ❑ Student Evaluation of Practicum

Academic Clinical Coordinator Role:
The Academic Clinical Coordinator provides guidance to students and assists in identifying appropriate practicum sites and selecting students for specific roles at partner sites. Students are strongly encouraged to become aware of available opportunities, search for possible sites independently and communicate interests and potential sites to the Academic Clinical Coordinator. Students must obtain approval from the Academic Clinical Coordinator in order to receive credits for a practicum course.

Supervisor’s Role:
Ongoing: Provide regular feedback through scheduled meetings and events.
Midpoint Review: Meet with student to evaluate performance.
Final Evaluation: Submit final evaluation to Academic Clinical Coordinator
VI. MINORS

As a Boston University undergraduate student, you may choose any undergraduate minor, offered through any of the Boston University colleges, e.g. medieval studies at College of Arts and Sciences, dance at College of Fine Arts, business administration at College of Management or public health at Sargent College. Below is a list of minors offered across campus:

<table>
<thead>
<tr>
<th>Minors available through BU</th>
<th>Minors available through the College of Fine Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sargent College (SAR)</strong></td>
<td><strong>Minors available through the College of Fine Arts</strong> (CFA)</td>
</tr>
<tr>
<td>Human Physiology</td>
<td>Dance</td>
</tr>
<tr>
<td>Public Health</td>
<td>Music</td>
</tr>
<tr>
<td>Speech, Language and Hearing Sciences</td>
<td>Theatre arts</td>
</tr>
<tr>
<td></td>
<td>Visual arts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minor available through the School of Management (QST)</th>
<th>Minors Available through the College of Communication (COM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration</td>
<td>Cinema &amp;Media Studies</td>
</tr>
<tr>
<td></td>
<td>Film &amp; Television Studies</td>
</tr>
<tr>
<td></td>
<td>Journalism</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Minors available through the College of Arts and Sciences (CAS)</th>
<th>Minors available through the College of Arts and Sciences (CAS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Languages and Literature</td>
<td>German</td>
</tr>
<tr>
<td>African Studies</td>
<td>Greek Language and Literature</td>
</tr>
<tr>
<td>African American Studies</td>
<td>Hebrew</td>
</tr>
<tr>
<td>American Studies</td>
<td>History</td>
</tr>
<tr>
<td>Ancient Greek</td>
<td>International Relations</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Latin American Studies</td>
</tr>
<tr>
<td>Archaeology</td>
<td>Linguistics</td>
</tr>
<tr>
<td>Art History</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Medical Anthropology</td>
</tr>
<tr>
<td>Biology</td>
<td>Medieval Studies</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Modern Greek Studies</td>
</tr>
<tr>
<td>Chinese</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Classical Civilization</td>
<td>Physics</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Political Science</td>
</tr>
<tr>
<td>Earth Sciences</td>
<td>Psychology</td>
</tr>
<tr>
<td>East Asian Studies</td>
<td>Public Health</td>
</tr>
<tr>
<td>Geography</td>
<td>Religion</td>
</tr>
</tbody>
</table>
The Public Health Minor is offered through the Department of Health Sciences in Sargent College (SAR). The minor consists of six courses, completed with a minimum grade of C: four required courses (Introduction to Public Health, Epidemiology, a course in Statistics, and a course in International Health) and two courses from the list of public health electives. Students may fulfill some public health minor course requirements through four BU Study Abroad (or Study Away) Programs: Geneva Public Health track, Dublin Health Science track, Ghana Global Health program, and Washington, DC Internship program. The Public Health Minor Office is located at 635 Commonwealth Ave., Room 405; phminor@bu.edu.

All of the following courses are available for credit towards the proposed program either on the Charles River Campus or on the Medical Campus at the School of Public Health (A free shuttle bus service between the campuses is available to students).

A. Four required courses:

- SPH PH 510 Introduction to Public Health (4cr)

One of the following Epidemiology courses:

- SAR HS 300 Epidemiology I (4cr)

One of the following international health courses:

- SAR HS 325 Introduction to Global Health (4cr)
- SAR HS 450 Non-Infectious Diseases (4cr)
- SAR HS 346 Global Health Nutrition (4cr)
- SAR HS 348 Global Mental Health (4cr)
- SAR HS 442 Health Interventions in Low and Lower-Middle Income Countries (4cr)
- SAR HS 463 Global Health: Beyond Germs and Genes (4cr)
- SPH PH 506 E International Health at the World Health Organization (4cr) (Geneva Program only)
- SPH PH 507 E Controversies in International Health (4cr) (Geneva Program only)
- SPH PH 511 Pathogens, Poverty, and Populations: An Introduction to International Health (4cr)

One of the following statistics courses:

- CAS MA 113 Elementary Statistics (4cr)
- CAS MA 115 Statistics I (4cr)
- CAS MA 213 Basic Statistics & Probability (4cr)
- CAS PS 211 Introduction to Experimental Design (4cr)
- QST QM 221 Probabilistic and Statistical Decision Making for Management (4cr)
- CAS EC Empirical Economics (4cr)
B. Two of the following public health electives (minimum of 6 credits):

- SAR HS 325 Intro to Global Health (4cr) *(if not taken to fulfill the International Health course requirement)*
- SAR HS 345 Global Environmental Public Health (4cr)
- SAR HP 353 Organization and Delivery of Health Care in the U.S. (4cr) *(cannot be taken in combination with SPH PM 702)*
- SAR HS 395 Food, Dietary Supplements, and Consumer Health (4cr)
- SAR HS 345 Global Environmental Public Health (4cr)
- SAR HP 353 Organization and Delivery of Health Care in the U.S. (4cr) *(cannot be taken in combination with HP353)*
- SAR HS 395 Food, Dietary Supplements, and Consumer Health (4cr)
- SAR HS 425e Health Care Policy and Practice in Ireland (4cr) *(Dublin Program only)*
- SAR HS 435 Human Infectious Diseases in Ghana *(Ghana Global Health Program only)* (4cr)
- SAR HS 441 Neglected Tropical Diseases (4cr)
- SAR HS 442 Health Interventions in Low & LM Income Countries (4cr) *(if not taken to fulfill the International Health course requirement)*
- SAR HS 440 Qualitative Research Strategies in Global Public Health (4cr)
- SAR HS 445 Emerging Infectious Diseases (4cr)
- SAR HS 444 Child Health Programs in Low Resource Settings (4cr)
- SAR HS 450 Non-Infectious Diseases (4cr)
- SAR HS 463 Global Health: Beyond Germs and Genes (4cr) *(if not taken to fulfill the International Health course requirement)*
- SAR HS 480: Comparative Healthcare Systems (4cr)
- CAS SO 215 Sociology of Healthcare (4cr)
- CAS SO 490 Global Health Seminar: Politics, Institutions and Ideology (4cr)
- QST PL 425 Introduction to the Health Sector: Issues & Opportunities (4cr)
- QST PL 430 The U.S. Healthcare System in Transition (4cr)
- SPH MC 705 Safe Sex in the City: From Biology to Policy (4cr)
- SPH MC 725 Woman, Children & Adolescents: Public Health Approaches (4cr)
- SPH PM 702 Intro to Health Policy & Management (3cr) *(cannot be taken in combination with HP353)*
- SPH SB 721 Social and Behavioral Sciences and Public Health (3cr)
- SAR HS 408 Mediterranean Diet: Food, Culture and Health (4cr) *(Padua Mediterranean Diet Summer program)*
- SPH PH 511 Pathogens, Poverty, and Populations: An Introduction to International Health (4cr) *(if not taken to fulfill the International Health course requirement)*
- SPH PH 506e International Health at the World Health Organization (4cr) *(Geneva Program only)* *(if not taken to fulfill the International Health course requirement)*
- SPH PH 507e Controversies in International Health (4cr) *(Geneva Program only)* *(if not taken to fulfill the International Health course requirement)*

Inquiries and course approval should be directed to: Bria Dunham, PhD, MPH, CPH, Clinical Assistant Professor of Health Sciences or Kelsey Berdeguez, Sr. Program Coordinator in Health Science Office Location: Sargent College, 635 Commonwealth Ave, Room 405 Office Tele: 617-358-5477 e-mail: phminor@bu.edu
VII. DOUBLE MAJORS WITHIN BU SARGENT COLLEGE

Currently, students can pursue two undergraduate degrees in separate schools through the Boston University Collaborative Degree Program (BUCOP) or double majors within a school. Some general policy considerations for double majors within BU Sargent College:

- Students must meet all requirements in both programs including GPA, all coursework (major and elective) and internships where applicable.
- Both degrees must be completed before the student can graduate from Boston University.
- Students must complete no fewer than 36 courses (144 credits) for a double major.
- To apply, students must complete their freshman year with a grade point average of 3.0 or higher. Applications can be made during the first or second semester of the sophomore year or by the first semester of the junior year (at least three semesters of enrollment are required).
- Students must meet with Deborah Claar, BUCOP and Sargent Double Majors coordinator to discuss feasibility of declaring a double major. All paperwork is processed through her.
- The application will then be reviewed by academic advisors who have knowledge of both programs.
- As part of the application, an essay (one-page, typed) must be submitted that describes why the double major is academically beneficial.

Inquiries should be directed to: Deborah Claar (dsclaar@bu.edu), Sargent College: Academic Service Center, 635 Commonwealth Avenue, 2nd Floor, Room 207, Boston, MA 02215
VIII. BACHELOR OF HEALTH SCIENCE AND MASTER OF PUBLIC HEALTH

The program is available to Sargent students who are majoring in all of the concentrations except for the combined BS/MSOT and BS/DPT degree programs. This dual degree program requires 5 years of full time study to acquire a Bachelor of Science degree in one of the specified concentrations at Boston University Sargent College and the Master of Public Health degree in any one of the concentrations at the Boston University School of Public Health.

Up to sixteen credits of graduate level course work within the School of Public Health will be completed in the last two years of undergraduate study and applied to both the BS and MPH degrees. At the completion of the BS degree requirement (128+ credits) at Sargent College the Bachelor of Science degree will be awarded. At the end of the 5th year (32+ additional credits of SPH coursework) the Master’s in Public Health degree will be awarded.

Admission to the BS/MPH Program

Students in the second semester of their sophomore year or first semester of their junior year are eligible to apply to the BS/MPH program. Sargent sophomores and juniors who wish to apply to the BS/MPH program must first complete the Sargent College BS/MPH Application Approval form and meet with the Sargent College MS/MPH faculty advisor before initiating an application to the School of Public Health in SOPHAS, the centralized application service for the Association of Schools of Public Health (ASPH). Applicants must have a minimum cumulative grade point average of 3.2.

Application deadlines and decision dates are as follows:

<table>
<thead>
<tr>
<th>Year of Student</th>
<th>Apply By</th>
<th>Decision By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>April 1</td>
<td>July 1</td>
</tr>
<tr>
<td>Sophomore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Semester Juniors</td>
<td>October 15</td>
<td>February 15</td>
</tr>
</tbody>
</table>

Application to the BS/MPH program will consist of:
- A completed Sargent College BS/MPH Application Approval Form, signed by the Sargent College BS/MPH faculty advisor, submitted to the Admissions Office at the School of Public Health
- A SOPHAS application to Boston University School of Public Health
- An official Boston University undergraduate transcript
- Three letters of reference, including at least two from Boston University faculty members specifically addressing the student’s capacity to do graduate level work

For more information about the Boston University School of Public Health, visit their web site at [www.bu.edu/sph](http://www.bu.edu/sph). The contact in SAR for this program is Professor Bria Dunham: (617) 358-0706, dunhamb@bu.edu. For further information please visit: [http://www.bu.edu/sargent/academics/departments-programs/health-sciences/combined-bs-and-master-of-public-health/](http://www.bu.edu/sargent/academics/departments-programs/health-sciences/combined-bs-and-master-of-public-health/)
IX. STUDY ABROAD

To study abroad, it is recommended that students begin the process of exploration by the second semester of the freshmen year to ensure that they plan their course of study appropriately. First, students must make an appointment with Heather Nicholson to see the feasibility of fitting study abroad into their program of study. Heather will then refer students to the International Programs Office, 232 Bay State Road, 617-353-9888 to pick up their application. A Study Abroad Seminar will be presented by the Sargent Peer Counselors each semester to talk about the study abroad experience. The International Programs Office holds information sessions about the specific programs offered through BU and other institutions.

There are a number of study abroad opportunities available to Boston University students, through 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.

From Boston University International Programs:

Faculty and administration at Boston University are very serious about the important link between theory and practice. We work hard to create programs that respond to the needs of students, as they prepare themselves to make the transition from classroom to career in the new global community. In the past 25 years, more than 16,000 students from approximately 400 colleges and universities in the United States have participated in one or more of the many study abroad programs sponsored by Boston University around the globe. These are some of their reasons for choosing Boston University International Programs:

Wide variety of program options
Boston University offers a wide variety of programs around the world, reflecting the academic breadth and depth of the University, a leader in international education.

Unparalleled practical opportunities
Students participate in academically directed internships and fieldwork in host countries. Many programs offer cultural and intellectual excursions, as well as reimbursement for activities which the student pursues.

Improve foreign language skills
Students in Boston University language programs learn foreign languages based on their skill level in countries all over the globe.

Easy credit transfer
Upon completion of the Program, students receive an official transcript from Boston University, helping to make credit transfer easier. Students benefit from 20 years of professional experience of Boston University’s resident faculty and staff overseas.
BU International Programs with Health focus: (http://www.bu.edu/abroad/find-programs/by-destination/)

- Dublin, Ireland (Health Science)
- Geneva, Switzerland (Public Health)
- Washington D.C. (Public Health Policy)
- Ghana Summer Program
- London, England
- Sydney, Australia
Dublin Internship Program: Health Science Track

The Health Science Track of the Dublin Internship Program offers a semester of study and work in one of Europe’s most vibrant and cosmopolitan cities. Based at Dublin City University (DCU), the program combines a professional health-related internship with coursework on various aspects of Ireland’s dynamic history and contemporary culture, including its art, economy, literature, media, and politics. Courses designed specifically for the program are taught by faculty drawn from Dublin-area universities and professional institutes. Students in all health sciences, from pre-med, to public health, to PT/OT to nursing, are especially welcome in Dublin in the fall semester. Students in this track will enroll in Ethics in Health Care and Contemporary Irish Society during the core phase, and then participate in an internship in the field of health sciences. Upon successful completion of the semester, students will receive a total of 16 Boston University credits.

Courses

Required Courses (Core Phase):
For the first six weeks, students take two required courses.

SAR HS 422 Ethics of Health Care (4)
CAS SO 341 Contemporary Irish Society (4)

Internship Phase:
For the final eight weeks of the semester students participate in a four-credit health-related internship course SAR HS405 Health Science Practicum and take one of the following elective courses:

SAR HS 405e Health Science Practicum (Dublin- Required)

SAR HS 425 Health Care Policy and Practice in Ireland will be offered throughout the semester

Health-related internship areas include but are not limited to: pre-med, nursing, public health, rehabilitation, health/human services.
Dublin Program Admissions

• Minimum 3.0 GPA (in major and overall)

Program Dates
Fall Semester: late August-early-December

Application Deadline
Fall Semester: March 15

The full Dublin Health Science Program is offered in the fall semester only. Students may study abroad in Dublin during the spring semester and complete SAR HS 405e Health Science Practicum. During the spring semester, students complete an alternate sequence of courses.

For further information:

Boston University
International Programs
888 Commonwealth Avenue
Boston, MA 02215
Contact us at 617-353-9888 or abroad@bu.edu
http://www.bu.edu/abroad/programs/dublin-internship-ireland/
Geneva Internship Program

Boston University's Geneva Internship Program provides students with the opportunity to connect with and play a role in these global concerns through an in-depth professional internship and carefully focused coursework.

The Geneva Internship Program offers two tracks: *International Relations* and *Public Health*.

The First Six Weeks (Core Phase)
During the first six weeks of the semester students will enroll in one required course (based on their chosen track) and one elective course. Students will also meet with their internship advisor during this period in order to be placed according to ability, professional goals, experience, and availability of local opportunities.

The Final Eight Weeks (Internship Phase)
During the final eight weeks students enroll in an internship in one of the many international organizations in Geneva.

Internship
Most students will be placed in one of the many international political, economic, and humanitarian organizations headquartered in Geneva. Additional internships will be available in the Communications and International Business and Finance. Placements will be arranged by the program staff, in individual consultation with the student. Please note that only seniors may intern at the World Health Organization.

Public Health
Work in research departments and health activism. Past internship placements have included International AIDS Society, the World Health Organization, and the International League Against Cancer. (NOTE: *Students in the Public Health track please note that the World Health Organization will only accept seniors as interns*).
Geneva Program Admissions

Application Deadlines: **Spring Semester**: September 1

Given visa restrictions, serious candidates for the spring semester Geneva Internship Program are strongly advised to apply by **September 1**. Although we will continue to accept applications up to September 30 or until the program is full, preference will be given to qualified candidates who submit their applications on or before September 1.

**Fall Semester**: March 15

Admissions Calendar:

Review of applications will begin according to the following timetable.

**Requirements:**

- Minimum 3.0 GPA (in major and overall)
- No prior language study is required, but a background in French is an advantage.

Students in the Public Health track please note that the World Health Organization will only accept seniors as interns.

Priority will be given to applicants who have relevant work, internship, or volunteer experience.

**For further information:**

**Boston University**
**International Programs**
**888 Commonwealth Avenue**
**Boston, MA 02215**
Contact us at 617-353-9888 or **abroad@bu.edu**
Accra Ghana Global Health Program (Summer)

The Accra Global Health Program is a six-week summer term program jointly developed by Boston University and Lancaster University’s Accra Global Health Program. The program will provide undergraduate students the opportunity to explore the critical topic of public health in West Africa. Students will explore the relationship between microbiology and the social determinants of health through a course hosted at the newly established Lancaster University Ghana. Through the health sciences practicum, students will see firsthand how public health strategies are implemented on the ground and apply their learning through a classroom component. Students will enhance their learning through field trips and interactions with local hospitals, research institutions, and NGOs. During their time in Accra, students will live in modern dormitory-style, multiple-occupancy rooms located within a short walk from the Lancaster University Ghana campus.

Courses:

Students enroll in one required course and one internship course. Each course carries 4 Boston University credits. Students must enroll for a total of 8 credits.

SAR HS 435 Human Infectious Disease in Ghana (Prerequisite: 1 Previous college-level course in Biology)

SAR HS 404 Health Sciences Practicum

Practical experience in health care setting (health policy, administrative, constituent advocacy), public health setting, or government or non-government health agency setting. Direct care and contact with patients should not be expected; flexibility is essential.

Ghana Global Health Program Admissions

Application Deadline: Summer Term: March 1

- Ideally suited for Health Science or Public Health majors or minors
- Students should have sophomore standing or higher at the time of participation
- Some courses carry prerequisites

For further information:

Boston University
International Programs
888 Commonwealth Avenue
Boston, MA 02215
Contact us at 617-353-9888 or abroad@bu.edu
https://www.bu.edu/abroad/programs/ghana-global-health-program-summer/
Washington, DC Internship Program – Health Policy

The Washington, DC Internship Program offers students the opportunity to study and intern in one of the world’s most important capital cities. Although known primarily as the capital of American politics, Washington, DC, plays a pivotal role, both nationally and internationally, in business, law, the sciences, public relations, media, and the arts. The program offers students the opportunity to focus on leadership, public policy, and agenda setting in their area of interest.

BU’s College of Health & Rehabilitation Sciences: Sargent College and BU Study Abroad have designed a unique internship curriculum for Health Science majors and Public Health minors, giving students the chance to gain valuable professional experience in the field of health policy while taking courses that fulfill major requirements.

Required Courses

CAS PO 203/COM CM 556 Strategies for Issue Development and Policy Change (4)

SAR HS 405 Health Sciences Practicum (6)

Elective Courses

Students enroll in two additional courses and can choose from three options at the George Washington University and/or from electives offered by the BU Washington Center.

The Global Learning Experience: An Online Course

Students in all Fall and Spring programs have the opportunity to enroll in The Global Learning Experience at no additional cost.

CAS IP101 The Global Learning Experience (1 credit)

Application Deadlines: Fall Semester: April 1 Spring Semester: November 1

For further information:

Boston University
International Programs
888 Commonwealth Avenue
Boston, MA 02215
Contact us at 617-353-9888 or abroad@bu.edu
https://www.bu.edu/abroad/programs/washington-dc-internship-program/
X. ETHICAL STANDARDS OF SARGENT COLLEGE OF HEALTH AND
REHABILITATION SCIENCES: SARGENT COLLEGE

Sargent College has a commitment to excellence in the undergraduate and graduate education of Health and Rehabilitation Professionals. Individually and collectively, those associated with Sargent are responsible for maintaining and promoting those ethical standards below:

Responsibility of the College to Students:

1. In the process of recruiting students, the College and its program should be represented accurately.

2. The admissions procedures should indicate a fair and impartial review of student's credentials.

3. A learning environment should be provided which is safe and conducive to learning.

4. The curriculum should be consistent with the best practices, philosophies, and patterns within the allied health professions.

5. The College and its programs should attempt to respond to changing patterns and concepts in the process of educating allied health professionals.

6. The faculty should be competent educators in their respective field.

7. Procedures used to evaluate students should be fair and clearly presented to the students at the beginning of each course and throughout the program.

8. Grievance and appeals procedures for students should exist and be clearly presented to students.

9. The College should make every effort to ensure that the students will be competent in their professional areas at the completion of program requirements.

Responsibility of the College to Consumers of Health Care Services:

1. The College should make every effort to ensure that each graduate of the college should be competent for service in his or her respective profession.

2. The College should emphasize through its instruction that the graduates of the college should respect the dignity and privacy of each individual with whom they come in contact in a professional setting.
Professional Behavior Statement:

The mission of Sargent College is to advance, preserve, disseminate, and apply knowledge in the health and rehabilitation sciences. Sargent College strives to create an environment that fosters critical and innovative thinking to best serve the health care needs of society. This environment is made possible only through full participation of all members of the Sargent College community. A key expectation of this community of scholars, educators, practitioners and students is the adherence to the highest standards of professional and ethical behavior.

Academic performance is only one indicator of success for Sargent College students. Students are expected to demonstrate professional behavior, to accept responsibility for their actions, and to expect the same from their peers. Professional behavior is expected across environments, whether the student is engaged in clinical practice, classroom instruction, peer or faculty interaction, and research or laboratory activities. Students are expected to know and comply with the specified rules for each of their academic and clinical experiences.

Students are evaluated on professional behavior in addition to academic performance. Failure to meet the standards for professional behavior may result in dismissal from the program. The specific responsibilities of students are outlined in the manual for each program of study.

Academic Honesty:

College of Health and Rehabilitation Sciences is committed to creating an intellectual community in which both faculty and students participate in the free and uncompromising pursuit of learning. This is possible only in an atmosphere of mutual trust where the discovery and communication of truth are marked by scrupulous, unqualified honesty. The college expects all students to adhere strictly to the accepted norms of intellectual honesty in their academic and clinical work. It is the responsibility of the student to abide by the Sargent College Academic Conduct Code, http://www.bu.edu/sargent/information/students/policies/conduct/, that is distributed annually to each student at the college. Copies are available in the Student Academic Support Service Office (Room 207).

Absence for religious reasons

1) According to Chapter 151C of the General Laws, Commonwealth of Massachusetts, any student in an educational or vocational training institution, other than a religious or denominational educational or vocational training institution, who is unable, because of his or her religious beliefs, to attend classes or to participate in any examination, study, or work requirements on a particular day, shall be excused from any such examination or study or work requirement, and shall be provided with an opportunity to make up such examination, study, or work requirement that may have been missed because of such absence on any particular day; provided, however, that such makeup examination or work shall not create an unreasonable burden upon such school. No fees of
any kind shall be charged by the institution for making available to the said students such opportunity. No adverse or prejudicial effects shall result to students because of their availing themselves of the provisions of this section.

2) Students are asked to identify potential schedule conflicts with religious observances (class attendance, exams, assignment due dates) within the first week of receiving the course syllabus and to communicate these to the course instructor. This will enable the course instructor to work with the student to set alternative due dates or exam dates and to identify appropriate methods well in advance for the student to obtain information that may be missed from class.

http://www.bu.edu/ctl/university-policies/policy-on-religious-observance/

Attendance
Students are expected to attend each class session unless they have a valid reason for being absent. Students may be required at any time to account for undue irregularity in attendance, either by personal explanation to their faculty advisor or dean or by written statement from a parent or another authority. Any student who has been excessively absent from a course may be required to withdraw from that course without credit. Students who expect to be absent from class for more than five days should notify their dean promptly.

Suspension or Dismissal
Boston University, through its various faculties and appropriate committees, reserves the right to suspend or dismiss any student for failure to maintain a satisfactory academic record, acceptable personal behavior, or satisfactory standards of health. Copies of Boston University’s Code of Student Responsibilities are available from the Office of the Dean of Students, East Tower, George Sherman Union, 775 Commonwealth Avenue, Boston, MA 02215 or at https://www.bu.edu/dos/policies/student-responsibilities/. Students absent from classes more than two days for illness should be under a doctor’s care. Students who are absent five days or more for illness should present to Student Health Services a certificate of fitness from their physician or be examined at the University Clinic.

Disability Accommodation
Boston University provides reasonable accommodations to eligible individuals with disabilities in conformance with Section 504 of the Rehabilitation Act of 1973 and with the Americans with Disabilities Act of 1990. Requests for disability accommodations must be made in a timely fashion to the Office of Disability Services, 19 Deerfield Street, Boston, MA 02215; 617-353-3658 (Voice/TTY). Students seeking accommodations must submit appropriate medical documentation and comply with the policies and procedures of the Office of Disability Services. Please see also, https://www.bu.edu/disability/.
XI. ACADEMIC POLICIES, STANDARDS, AND REQUIREMENTS

Petitions and Appeals

Deviations from Program Course Requirements

The student may petition the Program Director for waiver or substitution of program requirements. Petitions should be submitted to the student's academic advisor and be accompanied by information (e.g. course outlines, transcripts, exams, etc.) which will support the proposed change.

Requests for variance from the usual academic or curricular requirements, to include:

- Transfer of credit from another college or university
- Waiver of a course based upon prior coursework or experience, to include permission for competency testing
- Course substitution or the determination of course equivalence
- Waiver of department course prerequisite or corequisite
- Waiver of academic standard

1. The advisor, at her/his discretion, may act on petitions seeking: i) course transfer, ii) course waiver, iii) course substitution. When relevant, concurrence with the involved course instructor(s) is required.

2. The Program faculty will always receive directly from the advisor any petitions having to do with waiver of an academic requirement, or any variances whose approval would be precedent-setting or de facto policy formation and will consider such petitions and present its recommendation to the faculty for vote.

3. Petitions will be signed by the advisor or delegate. This may be the advisor, the program director, or the chairperson of the Health Sciences Department.

4. All petitions and any supporting documents, whether approved or denied, will be filed in the student's permanent College record.

Students who seek a variance of departmental policy or regulation or who have a grievance with an instructor or a departmental judgment must attempt to resolve the situation in the department with the individual instructor, the program director, the department chairman or by petition to the department academic standards committee.

If the student is not satisfied with the reconsideration of the department as outlined, the student may petition the Committee on Academic Policies and Procedures. The purpose of the Sargent (SAR/CAPP) Committee is to assure that the standards set by the college at large and academic policies set by the faculty of individual programs are consistently applied in a non-prejudicial and non-discriminatory manner. Therefore, SAR/CAPP will consider petitions that involve academic standards and policies if students have pertinent additional information not previously presented; if there are extenuating circumstances that justify deviation from, or exception to, stated rules; or if students feel that the departmental committee or a faculty member has not dealt with them in a fair manner.
Petitions to SAR/CAPP to reconsider academic or disciplinary actions against a student must be submitted for such consideration no later than two weeks after the student has been notified of the departmental action. SAR/CAPP will inform the student of the scheduled hearing date. The student will be requested to submit all pertinent materials to the Committee in advance of the hearing. The student has the right to present his/her case in person if so desired. The Committee may request the attendance of other individuals who may speak to the issue(s) under consideration. A verbatim transcript of the hearing may be requested by the Committee and will be made available to the student upon request. The student will be notified of the Committee's findings in writing within five days after the hearing.

If the student is not satisfied with the decision of SAR/CAPP, the student may petition the dean of the college for reconsideration. All academic conduct and standards cases are subject to the review and final determination, including determination of sanction, by the provost of Boston University or his or her designated representative.

Any student terminated from a department within Sargent College for disciplinary reasons is automatically terminated from the college.

Students may petition SAR/CAPP to consider non-academic issues such as charges of discrimination or sexual harassment by faculty, staff or students. Students are urged to seek redress within the appropriate department(s) whenever possible, but SAR/CAPP will hear unresolved issues, or those, which might cross departmental lines. As in all cases, due process as described by the Boston University Code of Student Responsibilities will be followed.

Action Taken Outside Sargent College

Matters relating to a course taken by a student in a school or college other than the one in which the student is enrolled are subject to the determination of the school or college in which the course is offered. Disciplinary or academic actions against a Sargent student by other segments of the University will be reviewed by SAR/CAPP. SAR/CAPP will then recommend its decision to the Dean of Sargent College.

Additional Policies, Standards & Requirements

1. A cumulative G.P.A. of 2.0 must be maintained to remain in good academic standing.
2. An overall G.P.A. of 2.0 is needed to transfer into the junior year, the senior year, and to graduate.
3. No more than 12 credits of D grades (three 4 credit courses) will be allowed in the course of study. Each student’s respective advisor will determine what course, in case of a fourth D, would be retaken.
4. Students taking courses outside Boston University must achieve a grade of C or above in order to receive credit from the college (a grade of C- is not acceptable).
5. An application for graduation must be completed one semester prior to graduation and can be obtained from the SAR Academic Services Center (ASC).

6. It is the student’s responsibility to become familiar with all policies and procedures concerning academic standing, course requirements, and graduation.

7. Up to 2 credits of PDP courses may count towards degree requirements.

8. Degree Requirements

   a. Sargent College requires a minimum of 48 credits be taken at Boston University to fulfill requirements for graduation. Individual departments may require more.

   b. Sargent College baccalaureate degree requirements must be completed within eight years of the initial date of matriculation at Boston University.

   c. All Sargent College students are required to complete two college-level English composition course effective for students entering Fall 2007. Advanced placement units and/or exemption by SAT scores may not be used to meet this requirement.

   d. All students wishing to take a course Pass/Fail, which is regularly a graded course, must petition the instructor within the first two weeks of the semester and the student’s department advisor must also sign the petition.

   e. No incomplete grades will be reported unless the instructor and the student have conferred, the student has presented a sufficient reason why the work of a course cannot be completed on schedule, and the instructor has assigned a date within the succeeding twelve months by which time all course requirements must be competed. No degree credit for incomplete courses will be granted unless the work is completed by the date assigned, which must be no later than one calendar year of the date on which the incomplete date is reported. Effective Fall 1994: With proper notification to students and other colleges, in the event that coursework remains incomplete on the assigned date or twelve months after the I grade has been awarded, whichever comes first, the I grade will be changed automatically and permanently to an F grade.

8. Honors, Dean’s List

   a. Full-time students are named to the Dean’s List for excellence in scholarship upon receiving a GPI of 3.5 in any one semester with no incomplete grades.

   b. Calculation of Latin honors includes all semesters at Boston University, effective January 2000 (previously the last semester was not included).
9. Amendment to Latin Honors Policy

Among graduating seniors in each school and college, five percent will be awarded degrees summa cum laude, ten percent degrees magna cum laude, and fifteen percent cum laude. “Break points” which are the grade point averages (GPA) corresponding to each of these categories, will be determined for each graduating class in each school and college at the end of the seventh semester by applying these percentile ranges to the list of eligible graduates arranged in order of GPA. Students falling in the designated percentile ranges on the basis of the GPA’s after seven semesters will be certified for degrees with the corresponding Latin honors. Students who, by virtue of strong academic performances during their final semester, advance their GPA’s beyond a break point will be awarded degrees with the correspondingly higher Latin honor. Students whose academic performances during the final semester causes their GPA’s to fall below a break point will retain the Latin honors as originally determined after seven semesters. In no case will students be awarded Latin honors for grade point averages below 3.0.
(Does not apply to UNI graduates.)
XII. PETITIONS, GRADE CHANGES, AND GRADUATION

Petitions

Students may petition for approval of any change from normal degree requirements including transfer of credit, waiver of required courses and waiver of prerequisites. Petition forms are available in the Academic Services Center (room 207). All petitions are brought before departmental faculty for action.

Transfer of credit from another institution must be supported by an official transcript and petition. Although the course credits will count towards degree requirements, the grades will not be recorded or count towards the overall GPA. This is a University policy. If credit from another institution is not awarded as semester hours of credit but as, for example, quarter hours, a check should be made with Academic Services center about equivalency of BU credits allowed. Students must pick up a petition in the room 207, attach a course description and bring science and math petitions to the appropriate department stated on the form and then to an advisor for approval. All other electives can be approved directly through the academic advisor. All copies of approved petitions should be submitted to room 207. Petitions for transfer of credit from another institution should have the transcript attached. Petitions are returned to the student’s folder after action on the petition has been added to the student’s record.

If a student is petitioning a policy or decision made by his/her department, the petition should first go to the academic policies and procedures committee within her/his program or to the Academic Program Director. A student whose petition has not been approved may resubmit under the guidelines outlined in the departmental Academic Policies and Procedures Manual.

Grade Changes

All adjustments to the grade report must be made on a grade change form, available in room 207. Students are not allowed to pick up or return grade change forms. Faculty submits grade change forms to room 207 where they are checked for accuracy and forwarded to the Registrar’s Office for official recording. One copy of the form is sent to the Department for filing in the student’s folder and one copy is retained by the Academic Services Center. Grade changes cannot be processed after a student has officially graduated.

Graduation

All students must fill out an Application for Graduation to certify that all degree requirements are being met. The form must then be returned to room 207 by February 1st of the last year of study to ensure that the student’s name is included in the May graduation list and commencement programs. For students graduating in January, the Application for Graduation should be handed in by November 1st. All students (January, May and September grads) are invited to participate in the May commencement ceremony if they have completed all coursework by that date. Commencement materials will be sent by email and postal mail so please be sure that BU has updated contact information. Check the Sargent College and Boston University websites for important details about the ceremonies or stop by the Academic Services Center or call (617-353-2713) with any questions.
XIII. FRESHMEN PROGRAM CHANGES AND TRANSFERS

Freshmen who wish to change programs during their fall semester at Boston University must first meet with the ASC Office to discuss the requirements of the target program.

- Freshmen who have been admitted into a specific program may transfer into new programs only after a full semester at BU.
- Freshmen who have been admitted into the Undeclared program can declare a major only after they have completed a full semester at Boston University.
- Students who become interested in changing majors during the fall semester will be encouraged to register for spring semester coursework in the target major rather than the admitted major.
- Students who have not yet met the transfer requirements will still be allowed to take crucial freshman spring courses (for example, AT 205) so that they don't fall behind in the curriculum requirements of their desired major.

Any time after the fall of freshmen year, students who decide to change programs or transfer into BU Sargent College may begin the process by meeting with one of the academic counselors, H. Nicholson (inside Sargent transfers) or D. Claar (intra-university and outside BU transfers). The following actions are possible:

- An academic counselor or program director may recommend supplementary coursework that would help the student to succeed in their target major. This recommended coursework must be completed before the student will be allowed to apply to the target program.
- At his/her discretion, the program director may counsel that the student is unlikely to succeed in the target major and therefore permission to transfer will not be given.
- A student who meets the GPA and all other guidelines will be officially admitted to their new chosen program after all of the paperwork has been completed.
- Students who do not meet the GPA requirements of the target program, must remain in their admitted program until their grades are suitable for the new program and then reapply. Please note that, transferring into a new major may prolong the time it takes to complete the degree requirements.
- Students are expected to complete a minimum of three semesters in a Sargent College major prior to graduation.

Program changes and transfers require completion of the Program Transfer Form by the student. Forms are available in the SAR ASC Office Room 207.
XIV. GLOBAL PUBLIC HEALTH BRIGADES

The Mission:
To empower rural Honduran communities to prevent common illnesses through in-home infrastructural development, community leader training, and health education.

5 Year Vision (2011-2016):
Within the next 5 years, we will mobilize 2,880 students and 6 communities to cooperatively train 72 community leaders, develop health infrastructure projects in 450 homes, deliver 288 hours of health education, and provide 2,250 community members with the means necessary to achieve a greater health standard.

The Sargent Health Brigades club allows our students the opportunity to integrate their academic knowledge and skills that they have developed here in Sargent College through health awareness, advocacy, and a hands-on approach to the ever growing world of health care.

Faculty Advisor: Shelley Brown
Clinical Assistant Professor

2019-2020 Student Leadership:
Ramya Vemulapalli - President
Rachel Waston - Vice President
Megan Lee- Treasurer
Tori Abdalla - Secretary

Questions?
E:mail: bu.phb@globalbrigades.org
Website: https://www.globalbrigades.org/
Facebook: https://www.facebook.com/BUPHB/
XV. APPENDICIES

I. Sargent College Standard Operating Procedures for Laboratories
II. Admission to Medical, Dental, Law or Veterinary School
III. Responsible Conduct of Research (RCR) Program
IV. Fun Facts about Boston
APPENDIX I

SARGENT COLLEGE STANDARD OPERATING PROCEDURES FOR LABORATORIES

(Taken from the Boston University documents, Chemical Hygiene Plan and Chemical Hygiene Officer’s Handbook)

Student's Responsibilities:

1. Read and become thoroughly familiar with these procedures.
2. Notify the teaching Assistant of any spills or accidents or near accidents.
3. Become familiar with the use and location of emergency equipment and facilities such as showers, eyewashes, fire extinguishers, fire blankets, fire alarms, first aid kits, chemical spill control agents and emergency exits.
4. Always use adequate eye protection, protective clothing, and gloves in the laboratory. Details on protective garb are given below for specific classes.
5. Always wash up when finished working with chemicals. Use soap and water and be sure to wash hands and arms thoroughly even when gloves have been worn.
6. Never work alone without explicit permission from the instructor.
7. Never perform unauthorized experiments or preparations.
8. Never eat, drink, smoke or apply cosmetics in laboratory.
9. Never engage in horseplay, pranks or other acts of mischief in the laboratory.
10. Never leave exposed needles or micropipettes on the bench or in washing facilities.
12. Remove barrier protection (gloves, lab coats and aprons, eye protection) before leaving the laboratory. Potentially contaminated equipment must be kept where it will pose no threat to other persons.
13. Decontaminate, clean or sanitize personal protective equipment on a regular basis.
14. Discard used chemicals, equipment, and any other hazardous-infectious waste as defined below.
Personal Protective Equipment

Eye Protection
All students must wear safety glasses in any laboratory where hazardous chemicals are used. This includes Gross Anatomy and Neuroanatomy laboratories. Wearing of contact lenses in the laboratory is not recommended. Students may wear prescription eyewear or any safety glasses with splash guards.

Protective clothing
Lab coats must be worn in laboratories with hazardous chemicals present and in Gross Anatomy. Students may provide their own or they may borrow coats in the lab. Lab aprons must be worn over lab coats by instructors and students in Regional Gross Anatomy. The lab coat and shoes should provide protection for legs and feet. Perforated or open shoes and sandals are not sufficient protection. Cutoffs and shorts are inappropriate.

Gloves
Gloves must be worn in all laboratories. In Neuroanatomy lab, gloves will be supplied. For Gross Anatomy labs, students must purchase 4 mil nitrile gloves ($1/pair) or they may purchase them by the box from the Medical School. Nitrile gloves must be short-term protection from chemicals and biological tissue and waste. Most organic chemicals will eventually penetrate virtually any glove. Contaminated gloves must not be reused.

Hazardous Waste Disposal
Solids: Biological waste and contaminated gloves and protective clothing is to be deposited into receptacles designed for that purpose. Usually these receptacles have red plastic liners. If you are unsure where these containers are located, it is critical that you ask the lab instructor. Sharp objects such as needles and scalpels are to be deposited in the red hard plastic containers designated for this purpose. Disposal of hazardous chemicals will be explained by the laboratory supervisor (refer to the Boston University Chemical Hygiene Plan).

Liquids: When gloved hands or instruments are contaminated with human waste or specific chemicals, use the sinks that are designated for rinsing and cleaning these items. Items not contaminated may be washed using "clean" sinks.

Visitors
There are to be no visitors in any laboratory except those who come for educational or professional purposes. These visitors must wear appropriate eye and protective clothing. Minors under the age of 18 are not permitted to spend time in laboratories where chemicals are used or stored.
Emergency Procedures
Any laboratory accident must be reported to the laboratory instructor immediately. Take directions from the instructor and be familiar with the procedures listed below.

FIRE: If you cause or discover a fire: Activate the fire alarm, evacuate, and call Boston University Police at 3-2121. Only use the fire blanket and fire extinguisher if you know how and you feel confident that you will be successful. Be available to firefighters to give information about how the fire started.

CHEMICAL SPILLS OR EXPOSURE: If you cause or discover a chemical spill, report this to the TA and contact the Sargent College Chemical Hygiene officer (Dr. Susan Kandarian) via the Health Sciences secretary. Warn all others in the area and evacuate. For spills covering small amounts of skin, immediately flush with water for no less than fifteen minutes. Wash with warm water and soap to facilitate removal of any residual materials. If a delayed reaction is noted, seek medical attention and explain carefully what chemicals were involved. For larger spills, quickly remove all contaminated clothing and shoes while using the safety shower. Get medical attention as soon as possible. For eye exposure to chemicals, turn on the eyewash and immerse eyes directly into the eye fountain for several minutes.

INJURIES & FIRST AID: If an injured person is not breathing, provide CPR if you are trained to do so and get medical attention (call BU Police at 3-2121). If an injured person is bleeding severely, control the bleeding by compressing the wound with a cloth or whatever is available. Wrap the injured person to avoid shock and get immediate medical attention. In the case of a less severe cut, wash the cut, cover with a clean cloth and get medical attention. The BU Police will provide transportation to a nearby medical facility.

Reporting of Accidents
Call BU Police immediately at 3-2121. They will determine if medical care is required and arrange transportation to a clinic or hospital emergency room, if necessary.

The nature and location of the accident must be reported; give your name, telephone number and address. Tell where you will meet the emergency vehicle. If several individuals are involved, report how many, whether they are unconscious, burned or trapped; whether an explosion has occurred; and whether there is or has been a chemical or electrical fire.

• Tell others in the area about the nature of the emergency.

• Meet the BU Police at the place you indicated. Send someone else if you cannot go.

• Do not make any other telephone calls unless they directly relate to the control of the emergency.

• Be prepared to tell emergency workers the nature and amounts of any chemicals involved in the emergency.
APPENDIX II

Admission to Medical, Dental, Law or Veterinary School

Students who plan to apply to Medical, Dental, Law or Veterinary schools should open a file in the Pre-professional Advising Offices, CAS room B2. The Health Professions Office is directed by Glen Zamansky (617-353-4866). The Pre-Law Advising Office is directed by Dean Stern (617-353-4867).
APPENDIX III

Responsible Conduct of Research (RCR) Program

Today’s research environment presents increasingly complex ethical and regulatory issues. As a result, many research sponsors and scientific organizations now consider that formal instruction in the responsible conduct of research is an essential component of research training in the sciences. At Boston University, the Office of Research Compliance works in partnership with faculty to ensure the availability and development of RCR instructional programs.

Responsible Conduct of Research (RCR) instruction, as defined by federal agencies and by various scientific societies, covers the following content areas:

- Mentor/Trainee Responsibilities
- Data Acquisition, Management, Sharing, and Ownership
- Publication Practices and Responsible Authorship
- Peer Review
- Collaborative Science
- Research Ethics and the Role of the Scientist
- Research Misconduct
- Conflict of Interest and Conflict of Commitment
- Human Subjects
- Animal Welfare
- Safe Laboratory Practices

Boston University’s instructional programs in RCR are intended to promote knowledge and skills in ethical decision-making in the core content areas. These programs also serve as a catalyst for the questioning of decisions, practices, and processes related to the responsible conduct of research, with the objective of arriving at better-informed decisions.

Undergraduate students who successfully pass the Blackboard course will receive a Certificate of Completion (Undergraduate/Short-term Level) attesting to their fulfillment of the program requirements. RCR Certification will expire after a period of four years from the date of the certificate.