In the BS, combined biology and political science degree program, science courses lay the groundwork for strong basic training in mathematics, chemistry, and physics that are relevant to biology. In biology courses, students broadly explore the organization and processes of life—from molecules and cells through organs and organ systems to populations, ecosystems, and evolution. In political science courses, students pursue core concepts of American government, comparative politics, international relations and political thought. Course work in quantitative techniques is also required. Students choose from a range of advanced subject electives. An appreciation of the intersection of biology and political science is provided through advanced courses in science, technology and public policy, and in environmental politics and policy.

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

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

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

Biology Requirements
Introduction to College
BIOL 1000 or POLS 1000 Biology at Northeastern
1

Biological Foundations
BIOL 1107 and BIOL 1108 Foundations of Biology
and Lab for BIOL 1107
5

Inquiries
BIOL 2299 Inquiries in Biological Sciences
4

Genetics
BIOL 2301 and BIOL 2302 Genetics and Molecular Biology
and Lab for BIOL 2301
5

Techniques
BIOL 2309 Biology Project Lab
4

Biochemistry
BIOL 3611 and BIOL 3612 Biochemistry
and Lab for BIOL 3611
5

Organismal and Population Biology Elective
Complete one of the following:
BIOL 2321 and BIOL 2322 Microbiology
and Lab for BIOL 2321
BIOL 2327 Human Parasitology
EEMB 2302 and EEMB 2303 Ecology
and Lab for EEMB 2302
4-5

EEMB 2400 Introduction to Evolution
EEMB 2616 and EEMB 2617 Invertebrate Zoology
and Lab for EEMB 2616
EEMB 2618 and EEMB 2619 Vertebrate Zoology
and Lab for EEMB 2618
EEMB 2700 and EEMB 2701 Marine Biology
and Lab for EEMB 2700

Mathematics
MATH 1251 Calculus and Differential Equations for Biology 1
4

Chemistry
General Chemistry
CHEM 1211 and CHEM 1212 General Chemistry 1
and Lab for CHEM 1211
5
CHEM 1214 and CHEM 1215 General Chemistry 2
and Lab for CHEM 1214
5

Organic Chemistry
CHEM 2311 and CHEM 2312 Organic Chemistry 1
and Lab for CHEM 2312
5
CHEM 2313 and CHEM 2314 Organic Chemistry 2
and Lab for CHEM 2314
5

Physics
PHYS 1145 and PHYS 1146 Physics for Life Sciences 1
and Lab for PHYS 1145
5
PHYS 1147 and PHYS 1148 Physics for Life Sciences 2
and Lab for PHYS 1147
5

Political Science Requirements
Core Courses in Political Science
POLS 1150 American Government
4
POLS 1155 Comparative Politics
4
POLS 1160 International Relations
4

Statistics
Complete one of the following:
POLS 2400 Quantitative Techniques
4-5
ENVR 2500 Biostatistics
and ENVR 2501 and Lab for ENVR 2500

Political Thought
Complete one of the following:
POLS 2326 Premodern Political Thought
POLS 2328 Modern Political Thought
POLS 2330 American Political Thought
POLS 2332 Contemporary Political Thought

Political Science Upper-Division Electives
Complete four of the following:
POLS 2340 Business and Government
POLS 2385 U.S. Health and Welfare Policy
POLS 2390 Science, Technology, and Public Policy
POLS 2395 Environmental Politics and Policy
POLS 2399 Research Methods in Political Science
POLS 3309 Lesbian, Gay, Bisexual, and Transgender Issues in Public Policy
POLS 3324  Law and Society
POLS 3409  Global Governance
POLS 3412  Homeland Security Policy and Politics
POLS 3410  Nontraditional Security Issues

**Political Science Elective**
Complete one additional course in political science numbered 2300 or above.

**Political Science Concentration (Optional)**
If you are working toward one of the following concentrations, declare it with your advisor so that it may be added to your record. Requirements for the concentrations are listed below (p. 211).

- Law and legal studies
- Public policy
- Security studies

**Integrative Requirement and Capstone**
*Note: Science, Technology, and Public Policy (POLS 2390) cannot be used both as an integrative course and as an elective above.*

**Integrative Requirement**
POLS 2390  Science, Technology, and Public Policy  or  POLS 2395  Environmental Politics and Policy  

**Capstone**
BIOL 4701  Biology Capstone  or  POLS 4701  Political Science Senior Capstone

**Program Requirement**
136 total semester hours required

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### Concentrations

#### CONCENTRATION IN LAW AND LEGAL STUDIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POLS 2330</td>
<td>American Political Thought</td>
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<tr>
<td>POLS 3300</td>
<td>The U.S. Congress</td>
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<tr>
<td>POLS 3302</td>
<td>Judicial Process and Behavior</td>
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<tr>
<td>POLS 3324</td>
<td>Law and Society</td>
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</tr>
<tr>
<td>POLS 3406</td>
<td>International Law</td>
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<tr>
<td>POLS 4500</td>
<td>U.S. Constitutional Law</td>
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<tr>
<td>POLS 4505</td>
<td>U.S. Civil Liberties</td>
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#### CONCENTRATION IN PUBLIC POLICY

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POLS 3307</td>
<td>Public Policy and Administration</td>
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**Core Requirement**
POLS 3307  Public Policy and Administration  

**Electives**
Complete three of the following:  
POLS 2334  Bureaucracy and Government Organizations  
POLS 2335  Budgeting and Taxation  
POLS 2340  Business and Government  
POLS 2345  Urban Policies and Politics  
POLS 2350  State and Local Politics  
POLS 2357  Growth and Decline of Cities and Suburbs

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POLS 2385</td>
<td>U.S. Health and Welfare Policy</td>
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<tr>
<td>POLS 2390</td>
<td>Science, Technology, and Public Policy</td>
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<tr>
<td>POLS 2395</td>
<td>Environmental Politics and Policy</td>
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<tr>
<td>POLS 3315</td>
<td>Interest Groups and Public Policy</td>
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<tr>
<td>POLS 3402</td>
<td>Survey Research and Polling</td>
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<td>POLS 3410</td>
<td>Nontraditional Security Issues</td>
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<tr>
<td>POLS 3412</td>
<td>Homeland Security Policy and Politics</td>
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<tr>
<td>POLS 3425</td>
<td>U.S. Foreign Policy</td>
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<tr>
<td>POLS 4948</td>
<td>Community-Based Research Practicum</td>
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#### CONCENTRATION IN SECURITY STUDIES

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>Complete four of the following:</td>
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<tr>
<td>POLS 3408</td>
<td>International Security</td>
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<td>POLS 3410</td>
<td>Nontraditional Security Issues</td>
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<tr>
<td>POLS 3412</td>
<td>Homeland Security Policy and Politics</td>
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<td>POLS 3415</td>
<td>Ethnic Political Violence</td>
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<td>POLS 3420</td>
<td>U.S. National Security Policy</td>
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<tr>
<td>POLS 3423</td>
<td>Terrorism and Counterterrorism</td>
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<tr>
<td>POLS 3425</td>
<td>U.S. Foreign Policy</td>
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<tr>
<td>POLS 3427</td>
<td>Civil-Military Relations</td>
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<tr>
<td>POLS 3430</td>
<td>Revolution, Civil War, and Insurrection</td>
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<tr>
<td>POLS 3470</td>
<td>Arab-Israeli Conflict</td>
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<td>POLS 3487</td>
<td>Politics of Developing Nations</td>
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<tr>
<td>POLS 4918</td>
<td>Model NATO</td>
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