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
or POLS 1000  Political Science at Northeastern

Biology
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:  4-5
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

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 2311  5
CHEM 2313 and CHEM 2314  Organic Chemistry 2 and Lab for CHEM 2313  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:  4-5
POLS 2400  Quantitative Techniques
ENVR 2500 and ENVR 2501  Biostatistics and Lab for ENVR 2500

Political Thought
Complete one of the following:  4
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:  16
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
Biology and Political Science, BS

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. 176).

- 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 4
or POLS 2395 Environmental Politics and Policy

Capstone
BIOL 4701 Biology Capstone 4
or POLS 4701 Political Science Senior Capstone

Program Requirement
136 total semester hours required

Concentrations

CONCENTRATION IN LAW AND LEGAL STUDIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete four of the following:</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>POLS 2330</td>
<td>American Political Thought</td>
<td></td>
</tr>
<tr>
<td>POLS 3300</td>
<td>The U.S. Congress</td>
<td></td>
</tr>
<tr>
<td>POLS 3302</td>
<td>Judicial Process and Behavior</td>
<td></td>
</tr>
<tr>
<td>POLS 3324</td>
<td>Law and Society</td>
<td></td>
</tr>
<tr>
<td>POLS 3406</td>
<td>International Law</td>
<td></td>
</tr>
<tr>
<td>POLS 4500</td>
<td>U.S. Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>POLS 4505</td>
<td>U.S. Civil Liberties</td>
<td></td>
</tr>
</tbody>
</table>

CONCENTRATION IN PUBLIC POLICY

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirement</td>
<td>Public Policy and Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

Elections
Complete three of the following: 12

- 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

CONCENTRATION IN SECURITY STUDIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete four of the following:</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>POLS 2308</td>
<td>International Security</td>
<td></td>
</tr>
<tr>
<td>POLS 2310</td>
<td>Nontraditional Security Issues</td>
<td></td>
</tr>
<tr>
<td>POLS 2312</td>
<td>Homeland Security Policy and Politics</td>
<td></td>
</tr>
<tr>
<td>POLS 2315</td>
<td>Ethnic Political Violence</td>
<td></td>
</tr>
<tr>
<td>POLS 2320</td>
<td>U.S. National Security Policy</td>
<td></td>
</tr>
<tr>
<td>POLS 2323</td>
<td>Terrorism and Counterterrorism</td>
<td></td>
</tr>
<tr>
<td>POLS 2325</td>
<td>U.S. Foreign Policy</td>
<td></td>
</tr>
<tr>
<td>POLS 2327</td>
<td>Civil-Military Relations</td>
<td></td>
</tr>
<tr>
<td>POLS 2340</td>
<td>Revolution, Civil War, and Insurrection</td>
<td></td>
</tr>
<tr>
<td>POLS 2347</td>
<td>Arab-Israeli Conflict</td>
<td></td>
</tr>
<tr>
<td>POLS 2348</td>
<td>Politics of Developing Nations</td>
<td></td>
</tr>
<tr>
<td>POLS 4918</td>
<td>Model NATO</td>
<td></td>
</tr>
</tbody>
</table>