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

**Biology Foundations**
- BIOL 1107 Foundations of Biology and Lab for BIOL 1107
- BIOL 1108

**Inquiries**
- BIOL 2299 Inquiries in Biological Sciences

**Genetics**
- BIOL 2301 Genetics and Molecular Biology and Lab for BIOL 2301
- BIOL 2302

**Techniques**
- BIOL 2309 Biology Project Lab

**Biochemistry**
- BIOL 3611 Biochemistry and Lab for BIOL 3611
- BIOL 3612

**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

**Mathematics**
- MATH 1251 Calculus and Differential Equations for Biology 1

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

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

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

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

**Statistics**
Complete one of the following:
- POLS 2400 Quantitative Techniques
- 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. )

- 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 or POLS 2395

Capstone
BIOL 4701 or POLS 4701

Program Requirement
136 total semester hours required

Concentrations

CONCENTRATION IN LAW AND LEGAL STUDIES

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<tr>
<td>POLS 2330</td>
<td>American Political Thought</td>
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<td>POLS 3300</td>
<td>The U.S. Congress</td>
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<td>POLS 3302</td>
<td>Judicial Process and Behavior</td>
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<td>POLS 3324</td>
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CONCENTRATION IN PUBLIC POLICY

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<td>Public Policy and Administration</td>
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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