

Artificial Intelligence and International Affairs, BS (Boston)

This combined degree offers both a strong artificial intelligence foundation and an interdisciplinary understanding of global affairs and international issues. Students study the collection, manipulation, storage, retrieval, and computational analysis of data in its various forms including numeric, textual, image, and video data from small to large volumes. Utilizing these skill sets allows students to address topics such as interstate relations (conflict, cooperation, hierarchies); civil society, transnational advocacy networks, global social movements; and state-society relations (democracy, authoritarianism, social justice and inequalities, citizenship). Upon graduation, students should be equipped with the skills and knowledge needed to work across national cultures in fields that relate to utilizing artificial intelligence to address complex regional and international issues.

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.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/general-education-requirements/#nupathtext>).

Artificial Intelligence Courses

Code	Title	Hours
Overview		
Complete the following in alignment with your home college:		
CS 1200	First Year Seminar	1
or INPR 1000	First-Year Interdisciplinary Seminar	
or INTL 1000	International Affairs at Northeastern	
CS 1210	Professional Development for Khoury Co-op	1
or EESH 2000	Professional Development for Co-op	
Fundamental Courses		
All students can take a self-assessment to attempt to place out of CS 2000 and CS 2001. Students who place out of CS 2000 and CS 2001 will instead substitute 4-5 semester hours of CS, CY, or DS coursework at the 3000 level or higher not otherwise required in the degree.		
CS 1800	Discrete Structures	4
CS 2000 and CS 2001	Introduction to Program Design and Implementation and Lab for CS 2000	5
CS 2100 and CS 2101	Program Design and Implementation 1 and Lab for CS 2100	5
CS 3200	Introduction to Databases	4
DS 3500	Advanced Programming with Data	4
Artificial Intelligence Foundations		
DS 3000	Mathematical Foundations of Artificial Intelligence	4
DS 4200	Information Presentation and Visualization	4
DS 4300	Large-Scale Information Storage and Retrieval	4
DS 4400	Machine Learning	4
Khoury Approved Electives		
With advisor approval, directed study, research, project study, and appropriate graduate-level courses may also be taken as upper-division electives.		
Complete 4 semester hours from within the following options:		4
CS 2300 or higher, except CS 5010		
CY 2000 or higher, except CY 4930		
DS 2500 or higher, except DS 4900		
EECE 2160	Embedded Design: Enabling Robotics	

EECE 2322 and EECE 2323	Fundamentals of Digital Design and Computer Organization and Lab for EECE 2322	
MKTG 4606	Digital, Analytics, Technology, and Automation Research Practicum	4

International Affairs Requirements

Courses used to fulfill major requirements may not be used to satisfy the global dynamics requirement. See department for additional courses.

Code	Title	Hours
Required Courses		
ANTH 1101 or HIST 2211 or HIST 2311	Peoples and Cultures The World Since 1945 Colonialism/Imperialism	4
INTL 1101	Globalization and International Affairs	4
INTL 2718	Research Methods in International Affairs	4
INTL 3400	International Conflict and Negotiation	4
POLS 1160	International Relations	4

International Experiential Learning

Complete at least one international semester via study abroad, international internship, international co-op, or two short-term programs.

Global Dynamics Requirement

Code	Title	Hours
Complete two of the following with one course numbered 2000 or above (courses are divided into thematic groups to aid students in deciding which courses to take and have no bearing on major requirements):		8

Code	Title	Hours
<i>Environment</i>		
ENVR 1110	Global Climate Change	
ENVR 2515	Sustainable Development	
ENVR 3150	Food Security and Sustainability	
INTL 5100	Climate and Development	
INTL 5268 or PPUA 5268	International Environmental Policy International Environmental Policy	
PPUA 5267	Climate Policy and Justice	
SOCL 1246	Environment and Society	
<i>Law, Diplomacy, and Global Governance</i>		
ANTH 3442	Anthropology of Law	
COMM 2303	Global and Intercultural Communication	
HIST 1100	Law and History	
INTL 2480 or WMNS 2480	Women and World Politics Women and World Politics	
INTL 2600	Artificial Intelligence and World Politics	
INTL 3520	Global Political Economy	
INTL 5010	International Human Rights Law and Policy	
POLS 1155	Comparative Politics	
POLS 1160	International Relations	
POLS 2370	Religion and Politics	
POLS 3405	International Political Economy	
POLS 3406	International Law	
POLS 4910	Model United Nations	
<i>Human Rights and Social Justice</i>		
AFCS 3900	Gender and Black World Literatures	
AFCS 4526	Afro-Asian Relations in the Americas	
ANTH 3100 or POLS 3100	Gender, Social Justice, and Transnational Activism Gender, Social Justice, and Transnational Activism	

HIST 2303	Gender and Reproductive Justice
HIST 2373	Gender and Sexuality in World History
INTL 2480	Women and World Politics
or WMNS 2480	Women and World Politics
INTL 5010	International Human Rights Law and Policy
PHIL 5001	Global Justice
<i>Conflict and Security</i>	
CRIM 3030	Global Criminology
CRIM 3060	Political Crime and Terrorism
CRIM 5203	Security in the 21st Century
HIST 1206	Drug Trade and Drug War: History, Security, Culture
HIST 1389	History of Espionage 1: Antiquity to World War II
HIST 1390	History of Espionage 2: Cold War Spies
HIST 2217	The Global Far-Right since 1945: Politics, Culture, Violence
HIST 3330	The Global Cold War
HIST 3334	Assassinations in World History
INTL 3430	Revolution, Civil War, and Insurrection
INTL 3450	Security, Culture, Power
JRNL 3300	Covering Conflicts: Peace, War, and the Media
or INTL 3300	Covering Conflicts: Peace, War, and the Media
PHIL 5001	Global Justice
POLS 2282	The Holocaust and Comparative Genocide
POLS 3418	Nationalism
POLS 3420	U.S. National Security Policy
POLS 3423	Terrorism and Counterterrorism
POLS 4918	Model NATO
<i>Globalization</i>	
AFCS 2600	Issues in Race, Science, and Technology
ANTH 2305	Global Markets and Local Culture
ANTH 2315	Religion and Modernity
ECON 3290	History of the Global Economy
ECON 3635	International Economics
HIST 1215	Origins of Today: Historical Roots of Contemporary Issues
HIST 2211	The World Since 1945
HIST 2311	Colonialism/Imperialism
INTB 3310	Cultural Aspects of International Business
INTL 2480	Women and World Politics
or WMNS 2480	Women and World Politics
INTL 3200	Cities in a Global Context
INTL 3520	Global Political Economy
POLS 1160	International Relations
POLS 2370	Religion and Politics
POLS 3405	International Political Economy
POLS 3406	International Law
<i>Population, Migration, and Diaspora</i>	
AFCS 1101	Introduction to African American and Africana Studies
AFCS 1270	Introduction to Global Health
or PHTH 1270	Introduction to Global Health
AFCS 3424	Epidemiology of Pandemic Diseases and Health Disparities in the African Diaspora
ANTH 1101	Peoples and Cultures
ANTH 4220	South Asian Diasporas
CRIM 1400	Human Trafficking
HIST 1218	Pirates, Planters, and Patriots: Making the Americas, 1492–1804

INTL 2500	Race and Global Human Mobility
INTL 3200	Cities in a Global Context
INTL 4100	Forced Migration: Refugees, Exiles, and Displaced Persons
PHIL 1111	Introduction to World Religions
PHIL 1271	Sex in Judaism, Christianity, and Islam
POLS 2359	Immigration Politics
<i>Development</i>	
ANTH 2305	Global Markets and Local Culture
ECON 3291	Development Economics
ECON 3404	International Food Policy
ECON 3405	A Critique of Capitalism
ECON 5650	Economic Growth and Applications
ENVR 2515	Sustainable Development
HIST 2011	Capitalism and Business: A Global History
INNO 2206	Global Social Enterprise
INTB 1203	International Business and Global Social Responsibility
or INTB 1209	International Business and Global Social Responsibility
INTL 3150	Global Philanthropy
INTL 3255	Democracy, Authoritarianism, and Development
INTL 3520	Global Political Economy
INTL 5100	Climate and Development
PHTH 5230	Global Health
POLS 3487	Politics of Developing Nations
<i>Communication and Media</i>	
COMM 2303	Global and Intercultural Communication
INTB 3310	Cultural Aspects of International Business
JRNL 3300	Covering Conflicts: Peace, War, and the Media
or INTL 3300	Covering Conflicts: Peace, War, and the Media
JRNL 5360	Global Reporting
LANG 3600	Language Policy
MSCR 2325	Global Media

Regional Analysis Requirement

Code	Title	Hours
Complete two of the following, both of which must be in one region (select courses taken during a semester study abroad or specific Dialogue of Civilizations courses may count as regional analysis courses pending approval of the international affairs head faculty advisor; see department for additional courses):		8

Code	Title	Hours
<i>Africa</i>		
AFCS 2410	Possession, Sacrifice, and Divination in African Diasporic Religions	
AFCS 2900	Swahili, Culture, and Politics in Kenya	
AFCS 2392	African Film	
AFCS 4939	Community Health, Culture, and Development in Kenya	
ANTH 4510	Contemporary Issues in Global Africa	
HIST 2390	Africa and the World in Early Times	
or AFCS 2390	Africa and the World in Early Times	
INNO 3308	Business Economic History of South Africa	
<i>Asia</i>		
ANTH 4350	Ethnography of Southeast Asia	
ANTH 4410	Economy and Culture in Asia	
ANTH 4515	Culture and Politics in Modern India	
ASNS 1150	East Asian Studies	

or HIST 1150	East Asian Studies
HIST 1246	World War II in the Pacific
HIST 1252	Japanese Literature and Culture
HIST 1253	History of Vietnam Wars
HIST 1500	Modern China
HIST 2351	Modern Japan
HIST 2360	History of Capitalism in East Asia
JPNS 1260	Japanese Film
JPNS 1700	Introduction to Japanese Pop Culture
PHIL 1275	Hinduism, Buddhism, and Beyond
PHIL 1290	Chinese Philosophy and Religion
PHIL 2395	Japanese Buddhism
POLS 3482	East Asian Politics
or ASNS 3482	East Asian Politics
POLS 3485	China: Governance and Foreign Policy
<i>Europe</i>	
ANTH 4210	Anthropology of Eastern Europe
FRNH 1501	Introduction to French Culture
HIST 1170	Europe: Empires, Revolutions, Wars, and Their Aftermath
HIST 1272	Europe in the Middle Ages, 500–1500
HIST 1286	History of the Soviet Union
HIST 2370	Renaissance to Enlightenment
HIST 2375	The Tudors, the Stuarts, and the Birth of Modern Britain
HIST 2388	World War II in Eastern Europe
INTL 3455	Russian Foreign Policy
or POLS 3455	Russian Foreign Policy
POLS 3435	Politics and Governance of Europe and the European Union
SPNS 1504	Cultural History of Spain
<i>Latin America</i>	
AFCS 2330	Afro-Latin American Studies
HIST 1187	Introduction to Latin American History
HIST 2025	Latin American History through Film
INTL 4500	Latin American Society and Development (course being reactivated)
or ANTH 4500	Latin American Society and Development
LACS 1220	Latino, Latin American, and Caribbean Studies
SPNS 1240	Latin American Film
SPNS 1505	Latin American Culture, History, and Politics
SPNS 3240	Social Justice in Latin American Film
SPNS 3715	New Narratives: Latin America after 1989
SPNS 3720	Literature, Arts, and Poverty in Latin America
SPNS 4655	Latin American Literature
<i>Middle East</i>	
ARAB 1502	Introduction to Arab Culture
ECON 1292	Economic History of the Middle East
HIST 1185	Introduction to Middle Eastern History
INTL 1160	Middle East Studies
INTL 2100	Modern Israel
INTL 2200	America and the Middle East
INTL 3470	Arab-Israeli Conflict
or POLS 3470	Arab-Israeli Conflict
PHIL 1280	Islam: Rituals, Traditions, and Debates
PHIL 1285	Jewish Religion and Culture

International Affairs Elective

Code	Title	Hours
Complete one of the following:		4

Code	Title	Hours
INTL 2480	Women and World Politics	
INTL 2500	Race and Global Human Mobility	
INTL 2600	Artificial Intelligence and World Politics	
INTL 3150	Global Philanthropy	
INTL 3200	Cities in a Global Context	
INTL 3255	Democracy, Authoritarianism, and Development	
INTL 3350	Borders and Racial Security	
INTL 3406	International Law	
INTL 3430	Revolution, Civil War, and Insurrection	
INTL 3450	Security, Culture, Power	
INTL 3520	Global Political Economy	
INTL 4100	Forced Migration: Refugees, Exiles, and Displaced Persons	
INTL 5010	International Human Rights Law and Policy	
INTL 5100	Climate and Development	

English Requirement

Code	Title	Hours
College Writing		
ENGW 1111	First-Year Writing	4
or ENGW 1102	First-Year Writing for Multilingual Writers	

Advanced Writing in the Disciplines

Complete one of the following:		4
ENGW 3302	Advanced Writing in the Technical Professions	
ENGW 3308	Advanced Writing in the Social Sciences	
ENGW 3315	Interdisciplinary Advanced Writing in the Disciplines	

Supporting Courses

Code	Title	Hours
Mathematics		
ECON 2350	Statistics for Economists	4
MATH 1341	Calculus 1 for Science and Engineering	4

Integrative Requirements

Code	Title	Hours
Senior Seminar		
Complete the following with a thesis or project that integrates both international affairs and artificial intelligence:		
INTL 4700	Senior Capstone Seminar in International Affairs	4
Digital Ethics		
CY 4170	The Law, Ethics, and Policy of Data and Digital Technologies	4

Required General Electives

Code	Title	Hours
Complete 20 semester hours of general electives.		20

Program Requirement

128 total semester hours required