Overview

This combined degree offers both a strong data science 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 are equipped with the skills and knowledge needed to work across national cultures in fields that relate to utilizing data to address complex regional and international issues.

Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be required at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

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/nupath/).

Data Science Courses

Code	Title	Hours
Overview		
Must be taken in alignment with your he	ome college:	
CS 1200	First Year Seminar	1
or INTL 1000	International Affairs at Northeastern	
CS 1210	Professional Development for Khoury Co-op	1
Programming Sequence Pathways		
Complete one of the two options:		12
Computer Science Option		
CS 2500 and CS 2501	Fundamentals of Computer Science 1 and Lab for CS 2500	
CS 2510 and CS 2511	Fundamentals of Computer Science 2 and Lab for CS 2510	
CS 3500 and CS 3501	Object-Oriented Design and Lab for CS 3500	
Data Science Option		
DS 2000 and DS 2001	Programming with Data and Data Science Programming Practicum	
DS 2500 and DS 2501	Intermediate Programming with Data and Lab for DS 2500	
DS 3500	Advanced Programming with Data	
Computer Science Required Courses		
CS 1800 and CS 1802	Discrete Structures and Seminar for CS 1800	5
CS 3200	Introduction to Databases	4

Data Science Foundations		
DS 3000	Foundations of Data Science	4
DS 4200	Information Presentation and Visualization	4
DS 4300	Large-Scale Information Storage and Retrieval	4
DS 4400	Machine Learning and Data Mining 1	4
Khoury Elective		
With advisor approval, directed study, resea upper-division electives.	rch, project study, and appropriate graduate-level courses may also be taken as	
Complete four semester hours of CS, CY, DS ranges:	s, or IS classes that are not already required. Choose courses within the following	4
CS 2500 or higher, except CS 5010		
CY 2000 or higher, except CY 4930		
DS 2500 or higher, except DS 4900		
IS 2000 or higher, except IS 4900		

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	Peoples and Cultures	4
or HIST 2211	The World Since 1945	
or HIST 2311	Colonialism/Imperialism	
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 semes programs.	ster" via study abroad, international internship, international co-op, or two short-term	

Global Dynamics Requirement

Code	Title	Hours
Complete two of the following with one co	ourse numbered 2000 or above. Courses are divided into thematic groups to aid	8
students in deciding which courses to tal	ke and have no bearing on major requirements:	

•		
Code	Title	Hours
Environment		
ENVR 1110	Global Climate Change	
ENVR 2515	Sustainable Development	
ENVR 3150	Food Security and Sustainability	
INTL 5100	Climate and Development	
INTL 5268	International Environmental Policy	
or PPUA 5268	International Environmental Policy	
PPUA 5267	Climate Policy and Justice	
SOCL 1246	Environment and Society	
Law, Diplomacy, and Global Governance		
HIST 1100	Law and History	
COMM 2303	Global and Intercultural Communication	
INTL 2480	Women and World Politics	
or WMNS 2480	Women 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	

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POLS 3405	International Political Economy
POLS 3406	International Law
POLS 4910	Model United Nations
Human Rights and Social Justice	
AFCS 3900	Gender and Black World Literatures
AFCS 4526	Afro-Asian Relations in the Americas
ANTH 3100	Gender, Social Justice, and Transnational Activism
or POLS 3100	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
Conflict and Security	
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
HIST 3335	History of Modern Terrorism
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 3430	Revolution, Civil War, and Insurrection
or INTL 3430	Revolution, Civil War, and Insurrection
POLS 4918	Model NATO
Globalization	
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
	-
or WMNS 2480 INTL 3200 INTL 3520 POLS 1160	Women and World Politics Cities in a Global Context Global Political Economy

POLS 3406	International Law
Population, Migration, and Diaspora	
AFCS 1101	Introduction to African American and Africana Studies
AFCS 3424	Epidemiology of Pandemic Diseases and Health Disparities in the African Diaspora
AFCS 1270	Introduction to Global Health
or PHTH 1270	Introduction to Global Health
ANTH 1101	Peoples and Cultures
CRIM 1400	Human Trafficking
HIST 1218	Pirates, Planters, and Patriots: Making the Americas, 1492–1804
HIST 1219	History of Global Pandemics
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
Development	
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 3520	Global Political Economy
INTL 5100	Climate and Development
PHTH 5230	Global Health
POLS 3487	Politics of Developing Nations
Communication and Media	
COMM 2303	Global and Intercultural Communication
INTB 3205	Understanding and Managing Cultural Differences
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:

Code Africa	Title	Hours
AFCS 2410	Possession, Sacrifice, and Divination in African Diasporic Religions	
AFCS 2900	Swahili, Culture, and Politics in Kenya	

AFCS 4939	Community Health, Culture, and Development in Kenya
AFRS 1101	Introduction to African Studies
ANTH 4350	Ethnography of Southeast Asia
ANTH 4510	Anthropology of Africa
INNO 3308	Business Economic History of South Africa
INTL 2464	Natural Resources and Sustainable Development
Asia	
ANTH 4515	Culture and Politics in Modern India
ASNS 1150	East Asian Studies
or HIST 1150	East Asian Studies
CLTR 1260	Japanese Film
CLTR 1500	Modern Chinese History and Culture
CLTR 1700	Introduction to Japanese Pop Culture
HIST 1246	World War II in the Pacific
HIST 1252	Japanese Literature and Culture
HIST 1253	History of Vietnam Wars
HIST 1500	Modern Chinese History and Culture
HIST 2351	Modern Japan
PHIL 1275	Hinduism, Buddhism, and Beyond
PHIL 1290	Chinese Philosophy and Religion
PHIL 2395	Japanese Buddhism
POLS 3485	China: Governance and Foreign Policy
Europe	,
ANTH 4210	Anthropology of Eastern Europe
CLTR 1501	Introduction to French Culture
CLTR 1503	Introduction to Italian Culture
CLTR 1504	Cultural History of Spain
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
INTL 3455	Russian Foreign Policy
or POLS 3455	Russian Foreign Policy
POLS 3435	Politics and Governance of Europe and the European Union
Latin America	
AFCS 2330	Afro-Latin American Studies
ANTH 4500	Latin American Society and Development
CLTR 1240	Latin American Film
CLTR 1505	Latin American Culture, History, and Politics
CLTR 3240	Social Justice in Latin American and Latinx Film
CLTR 3715	New Narratives: Latin America after 1989
CLTR 3720	Literature, Arts, and Poverty in Latin America
CLTR 4655	Latin American Literature
HIST 1187	Introduction to Latin American History
HIST 2025	Latin American History through Film
LACS 1220	Latino, Latin American, and Caribbean Studies
Middle East	,,,,
CLTR 1502	Introduction to Arabic Culture
ECON 1292	Economic History of the Middle East
HIST 1185	Introduction to Middle Eastern History
INTL 1150	The Mediterranean World: An Overview
	The medicinanean frond. 7th Officer
INTL 1160	Middle East Studies

INTL 2200	America and the Middle East	
PHIL 1280	Islam: Rituals, Traditions, and Debates	
PHIL 1285	Jewish Religion and Culture	
POLS 3465	Government and Politics in the Middle East	
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 3150	Global Philanthropy	
INTL 3200	Cities in a Global Context	
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	3	
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		
	Title	Hours
Code Mathematics	Title	Hours
ECON 2350	Statistics for Economists	4
MATH 1341	Calculus 1 for Science and Engineering	4
WATTISTI	Calculus 1 for Science and Engineering	7
Integrative Requirements		
Code	Title	Hours
Senior Seminar		
Complete with a thesis or project that	t integrates both international affairs and data science:	
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	Harra
		Hours
Complete 24 semester hours of gene	rai electives.	24

Khoury College GPA Requirement

Minimum cumulative 2.000 GPA required in all CS, CY, DS, and IS courses

Program Requirement

131 total semester hours required

Plan of Study

Sample Plan of Study: Four Years, Two Co-ops in Summer 2/Fall

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200		1 ANTH 1101, HIST 2211, or HIST 2311		4 CS 3200		4 Elective	4
CS 1800 and CS 1802		5 DS 2500 and DS 2501		5 ECON 2350		4 Elective	4
DS 2000 and DS 2001		4 POLS 1160		4			
ENGW 1111		4 MATH 1341		4			
INTL 1101		4					
		18		17		8	8
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
DS 3000		4 CS 1210		1 Elective (Dialogue of Civilizations possible)		4 Co-op	0
DS 3500		4 DS 4200		4 Elective (Dialogue of Civilizations possible)		4	
Global Dynamics Course 1		4 INTL 2718		4			
International Affairs Elective		4 Regional Analysis Requirement 1		4			
		I/I EL l'					
		Khoury Elective		4			
		16		17		8	0
Year 3						8	0
Year 3 Fall	Hours		Hours		Hours	8 Summer 2	0 Hours
	Hours	16	Hours	17	Hours		
Fall	Hours	16 Spring	Hours	Summer 1 4 Elective (Dialogue of	Hours	Summer 2	Hours
Fall	Hours	Spring 0 DS 4300		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of	Hours	Summer 2 4 Co-op	Hours
Fall	Hours	Spring 0 DS 4300 INTL 3400		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible)	Hours	Summer 2 4 Co-op	Hours
Fall	Hours	Spring 0 DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4	Hours	Summer 2 4 Co-op	Hours
Fall	Hours	Spring 0 DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op	Hours	Spring 0 DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op		Spring DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op Year 4 Fall		Spring DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2 Spring		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op Year 4 Fall Co-op		Spring DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2 Spring CY 4170		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op Year 4 Fall Co-op		Spring O DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2 O Spring O CY 4170 4 DS 4400		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4 4 4	Hours	Summer 2 4 Co-op 4	Hours 0
Fall Co-op Year 4 Fall Co-op		Spring O DS 4300 INTL 3400 Global Dynamics Course 2 Regional Analysis Requirement 2 O Spring O CY 4170 4 DS 4400 INTL 4700 Regional Analysis		Summer 1 4 Elective (Dialogue of Civilizations possible) 4 Elective (Dialogue of Civilizations possible) 4 4 4 16	Hours	Summer 2 4 Co-op	Hours 0

Total Hours: 136

Sample Plan of Study: Four Years, Two Co-ops in Spring/Summer 1

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
CS 1200		1 ANTH 1101, HIST 2211, or HIST 2311		4 CS 3200		4 Elective		4
CS 1800 and CS 1802		5 DS 2500 and DS 2501		5 ECON 2350		4 Elective		4

DS 2000 and DS 2001		4 POLS 1160		4				
ENGW 1111		4 MATH 1341		4				
INTL 1101		4						
		18		17		8		8
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
CS 1210		1 Co-op		0 Co-op		O Elective (Dialogue of Civilizations possible)		4
DS 3000		4				Elective (Dialogue of Civilizations possible)		4
DS 3500		4						
Global Dynamics Course 1		4						
International Affairs Elective		4						
		17		0		0		8
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
	Hours	Spring 4 Co-op	Hours	Summer 1 0 Co-op	Hours	Summer 2 0 Elective (Dialogue of Civilizations possible)	Hours	4
Fall	Hours		Hours		Hours	0 Elective (Dialogue of	Hours	4
Fall DS 4200	Hours	4 Co-op	Hours	0 Со-ор	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of	Hours	
Fall DS 4200 INTL 2718 Regional Analysis	Hours	4 Co-op 4 ENGW 3302, 3308, or 3315	Hours	0 Со-ор	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of	Hours	
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1	Hours	4 Co-op 4 ENGW 3302, 3308, or 3315	Hours	0 Со-ор	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of	Hours	
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1	Hours	4 Co-op 4 ENGW 3302, 3308, or 3315 4	Hours	0 Co-op	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1 Khoury Elective	Hours	4 Co-op 4 ENGW 3302, 3308, or 3315 4	Hours	0 Co-op	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1 Khoury Elective Year 4		4 Co-op 4 ENGW 3302, 3308, or 3315 4 4		0 Co-op	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1 Khoury Elective Year 4 Fall		4 Co-op 4 ENGW 3302, 3308, or 3315 4 4 Spring		0 Co-op 4	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1 Khoury Elective Year 4 Fall DS 4300 INTL 3400 Global Dynamics Course 2		4 Co-op 4 ENGW 3302, 3308, or 3315 4 4 16 Spring 4 CY 4170 4 DS 4400 4 INTL 4700		0 Co-op 4 4	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4
Fall DS 4200 INTL 2718 Regional Analysis Requirement 1 Khoury Elective Year 4 Fall DS 4300 INTL 3400		4 Co-op 4 ENGW 3302, 3308, or 3315 4 4 16 Spring 4 CY 4170 4 DS 4400		0 Co-op 4 4 4 4 4	Hours	Elective (Dialogue of Civilizations possible) Elective (Dialogue of Civilizations possible)	Hours	4

Total Hours: 136