

GEOGRAPHY, ENVIRONMENTAL AND URBAN STUDIES MAJOR (B.A.)

Program Requirements

Click here for a list of courses that fulfill General Education categories. (<http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/general-ed-ba-bs/>)

Click here for a list of courses that fulfill the World Languages category. (<http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/world-languages-cultures-requirement/>)

Code	Title	Credits
I. General Education		
<i>A. New Student Seminar</i>		
		1
<i>C. Communication</i>		
1.	Writing	3
2.	Literature	3
3.	Communication	3
<i>D. Fine and Performing Arts</i>		
		3
<i>F. Humanities</i>		
1.	Great Works and Their Influences	3
2.	Philosophical and Religious Perspectives	3
<i>G. Computer Science</i>		
		3
<i>H. Mathematics</i>		
	Fulfilled by STAT 109 in the major.	0
<i>I. Natural/Physical Science</i>		
	Certain core courses or electives within the major may satisfy this requirement.	0-4
<i>J. Physical Education</i>		
		1
<i>K. Social Science</i>		
1.	American and European History	3
2.	Global Cultural Perspectives	3
3.	Social Science Perspectives - Certain core courses or electives within the major may satisfy this requirement.	0-3
<i>L. Interdisciplinary Studies</i>		
	Certain core courses or electives within the major may satisfy this requirement.	0-3
II. World Languages and Cultures Requirement		
<i>A. World Languages</i>		
	Complete 2 sequential courses in one world language.	3-6
<i>B. World Cultures</i>		
	Fulfilled by EAES 281 in the major.	0
III. Major Requirements		
<i>A. Core/Required Courses</i>		
EAES 100	Principles of Geography	3-4
or EAES 101	Planet Earth	
EAES 161	Human Geography	3
or EAES 170	World Geography	
EAES 210	Introduction to GIS and Remote Sensing	3
EAES 281	Introduction to American Urban Studies	3

EAES 390	Research Methods	3
EAES 497	Senior Seminar Geography	3
or EAES 487	Senior Seminar in Urban Study (Urban Studies Internship)	
<i>B. Tracks and Additional Electives</i>		
	Complete one track. Click on the Tracks tab to see a list of all tracks.	21
<i>C. Additional/Collateral Coursework</i>		
STAT 109	Statistics	3
or STAT 230	Data Science and Statistics	
	Collateral Sequence - Complete one collateral sequence in Anthropology, Archeology, Biology, Chemistry, Economics, Geology, History, Justice Studies, Math/Computer Science, Sociology or Writing Studies. Click on the Collateral Courses tab to see a list of all collateral sequences.	8-10
IV. Free Electives		38-22
Total Credits		120

Code	Title	Credits
Regional and Urban Systems Track		
Complete 15 credits from the following. A minimum of 9 credits should be at the 300-400 level.		
ANTH 255	Urban Anthropology	3
EAES 271	Geography of East and Southeast Asia	3
EAES 272	Land and Life in Latin America	3
EAES 283	Urban Geography	3
EAES 300	Energy Transitions: A Global Dependence	3
EAES 303	Field Geography	3
EAES 310	Geographic Information Systems (GIS)	3
EAES 361	Environmental Policy	3
EAES 363	Geopolitics	3
EAES 370	World Resources and Industries	3
EAES 372	Geography of South Asia	3
EAES 373	Historical Geography of the United States	3
EAES 376	Geography of New Jersey	3
EAES 377	Geography of Sub-Sahara Africa	3
EAES 380	Transportation	3
EAES 381	Urban Field Studies	3
EAES 384	Managing the Urban Environment	3
EAES 385	Urbanization and Environment	3
EAES 386	People and Cities: Comparative Urban Studies	3
EAES 391	Quantitative Methods in Geography and Urban Studies	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 460	Environmental Law	3
EAES 475	Environmental Economics	3
EAES 484	Urban Planning	3
EAES 490	Independent Study in Geography	1-4
EAES 492	Honors Research	3
<i>Additional Electives</i>		
Complete 6 credits from the following. A minimum of 3 credits should be at the 300-400 level.		
ANTH 422	Environment and Community	3-4
ANTH 429	Building Sustainable Communities	3-4
EAES 104	Natural Disasters	3

EAES 200	Geomorphology	3
EAES 201	Understanding Weather and Climate	4
EAES 230	Hydrology	3
EAES 240	Earth System History	4
EAES 250	Introduction to Marine Sciences	4
EAES 260	Energy, Environment and Society	3
EAES 321	Economic Geology	3
EAES 454	Human Impact on the Coastal Zone	4
EAES 491	Internship	3-12
NUFD 153	Dynamics of Food and Society	3
NUFD 286	Gender in Food and Nutrition Issues	3
POLS 324	American Public Policy	3
PHYS 109	Energy and Climate Change	3
SOCI 240	Statistics for Social Research	4
SOCI 311	Urban Sociology	3
SOCI 314	Environmental Justice	3
SOCI 315	Social Inequality	3
SOCI 318	Sociology of Population	3

Code Title Credits

Economics, Environment and Society Track

Complete 15 credits from the following. A minimum of 9 credits should be at the 300-400 level.

ANTH 404	Planetary Health	3
ANTH 422	Environment and Community	3-4
EAES 161	Human Geography	3
EAES 170	World Geography	3
EAES 202	Introduction to Sustainability Science	3
EAES 260	Energy, Environment and Society	3
EAES 261	Conservation of Natural Resources	3
EAES 300	Energy Transitions: A Global Dependence	3
EAES 303	Field Geography	3
EAES 310	Geographic Information Systems (GIS)	3
EAES 311	Fundamentals of Remote Sensing of Environment	3
EAES 361	Environmental Policy	3
EAES 370	World Resources and Industries	3
EAES 380	Transportation	3
EAES 381	Urban Field Studies	3
EAES 384	Managing the Urban Environment	3
EAES 385	Urbanization and Environment	3
EAES 391	Quantitative Methods in Geography and Urban Studies	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 460	Environmental Law	3
EAES 475	Environmental Economics	3
EAES 490	Independent Study in Geography	1-4
ECON 414	Economics of Natural Resources and Global Warming	3
ECON 419	Economics Of Energy And Environmental Policy	3
NUFD 153	Dynamics of Food and Society	3

Additional Electives

Complete 6 credits from the following. A minimum of 3 credits should be at the 300-400 level.

ANTH 429	Building Sustainable Communities	3-4
BSLW 235	Legal, Ethical, and Global Environment of Business	3
EAES 230	Hydrology	3
EAES 250	Introduction to Marine Sciences	4
EAES 260	Energy, Environment and Society	3
EAES 271	Geography of East and Southeast Asia	3
EAES 283	Urban Geography	3
EAES 300	Energy Transitions: A Global Dependence	3
EAES 303	Field Geography	3
EAES 311	Fundamentals of Remote Sensing of Environment	3
EAES 373	Historical Geography of the United States	3
EAES 386	People and Cities: Comparative Urban Studies	3
EAES 484	Urban Planning	3
EAES 491	Internship	3-12
ECON 310	Urban and Regional Economics	3
HSET 201	Leisure and Tourism	3
HSET 301	Leisure and Tourism Operations	3
INBS 250	Introduction to International Business	3
INFO 173	Spreadsheet Modeling for Business Decisions	3
JUST 314	Environmental Justice	3
JUST 330	International Environmental Issues	3
NUFD 286	Gender in Food and Nutrition Issues	3

Code Title Credits

Geographic Science and Environmental Systems Track

Complete 15 credits from the following. A minimum of 9 credits should be at the 300-400 level.

BIOL 213	Introduction to Ecology	4
EAES 104	Natural Disasters	3
EAES 150	General Oceanography	3
EAES 200	Geomorphology	3
EAES 201	Understanding Weather and Climate	4
EAES 230	Hydrology	3
EAES 250	Introduction to Marine Sciences	4
EAES 260	Energy, Environment and Society	3
EAES 300	Energy Transitions: A Global Dependence	3
EAES 303	Field Geography	3
EAES 310	Geographic Information Systems (GIS)	3
EAES 311	Fundamentals of Remote Sensing of Environment	3
EAES 322	Environmental Geochemistry	3
EAES 330	Fluvial Geography	3
EAES 331	Geohydrology	3
EAES 332	Hydroclimatology	3
EAES 341	Principles of Soil Science	3
EAES 343	Geoaerchaeology	3
EAES 381	Urban Field Studies	3
EAES 384	Managing the Urban Environment	3
EAES 385	Urbanization and Environment	3
EAES 391	Quantitative Methods in Geography and Urban Studies	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 451	Coastal Marine Geology	4
EAES 452	Dynamic Beach Processes	2

EAES 454	Human Impact on the Coastal Zone	4
EAES 490	Independent Study in Geography	1-4
<i>Additional Electives</i>		
Complete 6 credits from the following. A minimum of 3 credits should be at the 300-400 level.		
ANTH 423	Community and Health	3-4
ANTH 429	Building Sustainable Communities	3-4
BIMS 490	Field Methods in the Marine Sciences	4
EAES 250	Introduction to Marine Sciences	4
EAES 283	Urban Georgraphy	3
EAES 300	Energy Transitions: A Global Dependence	3
EAES 321	Economic Geology	3
EAES 361	Environmental Policy	3
EAES 380	Transportation	3
EAES 386	People and Cities: Comparative Urban Studies	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 460	Environmental Law	3
EAES 484	Urban Planning	3
EAES 491	Internship	3-12

Code	Title	Credits
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Geoinformatics Track

EAES 310	Geographic Information Systems (GIS)	3
EAES 311	Fundamentals of Remote Sensing of Environment	3
Complete 9 credits from the following. A minimum of 3 credits should be at the 300-400 level.		
CSIT 104	Python Programming I	3
CSIT 230	Computer Systems	3
CSIT 356	Introduction to Data Science	3
EAES 303	Field Geography	3
EAES 332	Hydroclimatology	3
EAES 391	Quantitative Methods in Geography and Urban Studies	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 475	Environmental Economics	3
EAES 484	Urban Planning	3
EAES 490	Independent Study in Geography	1-4
INFO 173	Spreadsheet Modeling for Business Decisions	3
INFO 240	Statistical Methods in Business	3
INFO 310	Database Management Systems	3
INFO 365	Foundations of Business Analytics	3
INFO 366	Managing Big Data	3
MATH 122	Calculus I	4
SCIF 110	Introduction to Science Informatics	3
STAT 230	Data Science and Statistics	3

Additional Electives

Complete 6 credits from the following. A minimum of 3 credits should be at the 300-400 level.		
CSIT 212	Data Structures and Algorithms	3
CSIT 296	Special Topics in Programming Languages	1
CSIT 313	Fundamentals of Programming Languages	3
CSIT 440	Principles of Data Mining	3
EAES 161	Human Geography	3

EAES 170	World Geography	3
EAES 202	Introduction to Sustainability Science	3
EAES 260	Energy, Environment and Society	3
EAES 283	Urban Georgraphy	3
EAES 361	Environmental Policy	3
EAES 370	World Resources and Industries	3
EAES 460	Environmental Law	3
EAES 475	Environmental Economics	3
EAES 484	Urban Planning	3
EAES 491	Internship	3-12
INFO 301	Business Decision Making	3
INFO 306	Introduction to Web Development	3
INFO 364	Regression Modeling in Business	3
MGMT 363	Business and Society	3
PHYS 109	Energy and Climate Change	3

Anthropology

Code	Title	Credits
ANTH 100	Cultural Anthropology	3
ANTH 201	Applied Anthropology	3
Complete one course from the following:		
ANTH 103	Introduction to Archaeology	
ANTH 110	Anthropology of Multicultural America	
ANTH 115	Cultures of the Middle East	
ANTH 120	Native North Americans	
ANTH 130	Cultures of South Asia	
ANTH 140	Non-Western Contributions to the Western World	
ANTH 150	Cultures of Latin America	
ANTH 170	Peoples of Africa	
ANTH 220	American Folk Culture	
ANTH 255	Urban Anthropology	
ANTH 270	Archaeology of Ancient Middle America	
ANTH 301	Methods in Anthropological Research and Practice	
ANTH 404	Planetary Health	

Total Credits	9
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Archaeology

Code	Title	Credits
ANTH 103	Introduction to Archaeology	3
HUMN 181	Introduction to Classical Archaeology	3
Complete one course from the following:		
ANTH 270	Archaeology of Ancient Middle America	
ANTH 290	Historical Archaeology	
ANTH 320	Caribbean Archaeology	
ANTH 325	North American Archaeology	
ANTH 335	Bioarchaeology	
ANTH 410	Public Archaeology	
HUMN 361	Special Topics in Mediterranean Archaeology	
HUMN 362	Field Methods in Mediterranean Archaeology	

Total Credits	9
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Biology

Code	Title	Credits
BIOL 112	Principles of Biology I	4
BIOL 113	Principles of Biology II	4
Total Credits		8

Chemistry

Code	Title	Credits
CHEM 120	General Chemistry I	4
CHEM 121	General Chemistry II	4
Total Credits		8

Economics

Code	Title	Credits
ECON 101	Applied Macroeconomics	3
ECON 102	Applied Microeconomics	3
ECON 206	Managerial Economics	3
or ECON 207	Intermediate Microeconomic Analysis	
Total Credits		9

Geology

Code	Title	Credits
EAES 105	Physical Geology	4
EAES 240	Earth System History	4
Total Credits		8

History

Code	Title	Credits
<i>Introductory History Elective</i>		
Complete one course from the following:		3
HIST 106	Contemporary Europe, 1914 to the Present	
HIST 117	History of the United States to 1876	
HIST 118	History of the United States Since 1876	
HIST 141	Introduction to World History Since 1500	
<i>Intermediate History Elective</i>		
Complete one course from the following:		3
HIST 205	Minorities in American History	
HIST 214	History of United States Foreign Relations	
HIST 217	History of Black Americans	
HIST 241	History of Public Health in the United States	
<i>Advanced History Elective</i>		
Complete one course from the following:		3
HIST 312	Historical Geography of the United States	
HIST 320	American Urban History Since 1880	
HIST 342	Frontiers and Borderlands of the Americas	
HIST 466	Historical Geographic Information Systems and Mapping	
Total Credits		9

Justice Studies

Code	Title	Credits
Complete three courses from the following:		9
JUST 102	Introduction to Criminal Justice	
JUST 103	Introduction to International Justice	
JUST 204	Justice, Courts and Legal Systems	

JUST 209	Environmental Crime	
JUST 314	Environmental Justice	
JUST 330	International Environmental Issues	
Total Credits		9

Math/Computer Science

Code	Title	Credits
CSIT 111	Fundamentals of Programming I	3
CSIT 112	Fundamentals of Programming II	3
MATH 111	Applied Precalculus	4
Total Credits		10

Sociology

Code	Title	Credits
SOCI 201	Foundations of Sociological Inquiry	4
Complete 2 courses from the following:		6
SOCI 209	Sociology of Poverty and Welfare	
SOCI 220	Sociology of Rich and Poor Nations	
SOCI 311	Urban Sociology	
SOCI 312	Environmental Sociology	
SOCI 314	Environmental Justice	
SOCI 318	Sociology of Population	
Total Credits		10

Writing Studies

Code	Title	Credits
Complete three courses from the following:		9
WRIT 105	College Writing I	
WRIT 106	College Writing II	
WRIT 204	Style and Editing	
WRIT 206	Workplace Writing	
WRIT 207	Technical Writing and Communication	
Total Credits		9