

**Geography BA Environmental Studies Concentration worksheet**  
**Montclair State University, Dept. of Earth & Environmental Studies, College of Science and Math**

<b>Student</b> _____	<b>Advisor</b> _____
<b>Student ID</b> _____	

**I. GENERAL EDUCATION REQUIREMENTS**  
**54-57sh (2002 version), of which 13 sh are in Major**

- A. New Student Seminar \_\_\_\_\_ 1 sh
- B. Interdisciplinary Courses
  - B1. Contemporary Issues I \_\_\_\_\_ 3 sh
  - B2. Contemporary Issues II \_\_\_\_\_ 3 sh
  - B3. Contemporary Issues III \_\_\_\_\_ 3 sh
- C. Communication: 9 sh
  - C1. Writing/Literature \_\_\_\_\_ 3 sh
  - \_\_\_\_\_ 3 sh
  - C2. Communication \_\_\_\_\_ 3 sh
- D. Fine and Performing Arts \_\_\_\_\_ 3 sh
- E. World Languages: 3-6 sh<sup>(1)</sup> \_\_\_\_\_ 3 sh  
 (if needed) \_\_\_\_\_ 3 sh
- F. Humanities: 6 sh
  - F1. World Literature/General Humanities \_\_\_\_\_ 3 sh
  - F2. Philosophy/Religion \_\_\_\_\_ 3 sh
- G. Computer Science<sup>(1)</sup> \_\_\_\_\_ 0-3 sh
- H. Mathematics <sup>(2)</sup> \_\_\_\_\_ MATH 109 \_\_\_\_\_ 0 sh
- I. Natural/Physical Science Laboratory <sup>(2)</sup> \_\_\_\_\_ GEOS 107 \_\_\_\_\_ 0 sh
- J. Physical Education \_\_\_\_\_ 1 sh
- K. Social Science: 12 sh
  - K1. American/European History \_\_\_\_\_ 3 sh
  - K2. Non-Western Cultural Perspectives<sup>(3)</sup> \_\_\_\_\_ 3 sh
  - K3. Social Science<sup>(2)</sup> \_\_\_\_\_ EUGS 102 \_\_\_\_\_ 0 sh
- L. General Education elective<sup>(2)</sup> \_\_\_\_\_ EUGS 206 \_\_\_\_\_ 0 sh

**II. GEOGRAPHY ENVIRONMENTAL STUDIES 60 sh**

- A. Required Geography Core Courses: 22 sh
  - 1. GEOS 107 Planet Earth (4 sh) \_\_\_\_\_ 4 sh
  - 2. EUGS 102 World Geography \_\_\_\_\_ 3 sh
  - 3. EUGS 206 Intro to American Urban Studies \_\_\_\_\_ 3 sh
  - 4. EUGS 270 GIS I: Digital Mapping \_\_\_\_\_ 3 sh
  - 5. EUGS 309 Research Methods \_\_\_\_\_ 3 sh
  - 6. EUGS 466 Senior Seminar in Geography \_\_\_\_\_ 3 sh
  - 7. MATH 109 Statistics \_\_\_\_\_ 3 sh
- B. Environmental Studies Core Courses: 32sh
  - 1. ENVR/PSYC 109 The Human Environment \_\_\_\_\_ 3 sh
  - 2. ENVR/GEOS 252 Hydrology \_\_\_\_\_ 3 sh
  - 3. EUGS/ECON 300 World Resources & Industries \_\_\_\_\_ 3 sh
  - 4. ENVR 410 Environmental Law \_\_\_\_\_ 3 sh
  - 5. Choose one of the following:  
 EUGS 331 Urbanization & Environment \_\_\_\_\_ 3 sh  
 or  
 GEOS 450 Principles of Soil Science \_\_\_\_\_ 3 sh
  - 6. Choose one of the following:  
 EUGS/GEOS 470 Geographic Information Systems (GIS) \_\_\_\_\_ 3 sh  
 or  
 ENVR/GEOS 455 Fundamentals of Remote Sensing \_\_\_\_\_ 3 sh
  - 7. Choose one of the following Natural Science sequences
    - a) BIOL 113 Principles of Biology II \_\_\_\_\_ 4 sh
    - BIOL 213 Introduction to Ecology \_\_\_\_\_ 4 sh
    - b) CHEM 120 General Chemistry I \_\_\_\_\_ 4 sh
    - CHEM 121 General Chemistry II \_\_\_\_\_ 4 sh
  - 8. Choose one of the following Soc. Science Policy sequences:
    - a) LSLW 200 Introduction to Law \_\_\_\_\_ 3 sh
    - LSPR 312 Foundations of Legal Research \_\_\_\_\_ 3 sh
    - b) ECON 101 Principles of Economics/Macro \_\_\_\_\_ 3 sh
    - ECON 102 Principles of Economics/Micro \_\_\_\_\_ 3 sh

C. Environmental/Geography Electives:  
 Select a minimum of 6 semester hours from the approved list

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**III. FREE ELECTIVES 16-22 sh**

Total number to reach at least 120 sh for graduation. Total semester hours in free electives depends on whether additional major courses are applied to GenEd requirements K2, also whether GenEd Computer Science (G) is waived.

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**MINIMUM TOTAL FOR GRADUATION 120sh**

Footnotes:  
 (1) Computer science requirement may be waived after appropriate testing. One semester of Foreign Language may be waived after testing  
 (2) This GenEd requirement satisfied by courses required for the Geography/Environmental Studies major  
 (3) Some elective courses in the major may satisfy this requirement

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**List of approved courses for the major electives**

EUGS 204 Principles of Land Use	3	EUGS 426 Independent Study in Geography	1-4
EUGS 207 Geography of East & Southeast Asia	3	EUGS 427 Pro-seminar in Geography	3
EUGS 208 Land and Life in Latin America	3	EUGS 460 Urban Planning	3
EUGS 209 Urban Design and Architecture: American Cityscape	3	EUGS 462 People and Cities: Comparative Urban Studies	3
EUGS 213 Urban Geography	3	EUGS 463 Internship	1-3
EUGS 234 Transportation	3	EUGS/GEOS 470 Geographic Information Systems (if not taken in Env. Stud. core)	3
EUGS 301 Urban Field Studies	3	ENVR 456 Hydroclimatology	3
EUGS 303 Field Geography	3	ENVR/GEOS 452 Geohydrology	3
EUGS 306 Geography of South Asia	3	ENVR/GEOS 455 Fundamentals of Remote Sensing (if not taken in Env. Stud. core)	
EUGS 310 Quantitative Methods in Geography and Urban Studies	3	GEOS 254 Geomorphology and Climatology of North America	3
EUGS/HIST 312 Historical Geography of the US	3	GEOS 257 Understanding Weather and Climate	4
EUGS 331 Urbanization and Environment (if not taken in the Env. Stud. core)		GEOS 404 Geo-Ecology	3
EUGS/GEOS 352 Fluvial Geography	3	GEOS 450 Principles of Soil Science (if not taken in Env. Stud. core)	
EUGS 408 Geopolitics	3	GEOS 454 Environmental Geochemistry	3
EUGS 412 Geography of Sub-Saharan Africa	3	GEOS 457 Meteorology	4
EUGS 413 Geography of the Middle East	3	PHMS 210 Introduction to Marine Sciences	4
EUGS 424 Geography of New Jersey	3		

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**OTHER GUIDELINES**

- ❖ **IMPORTANT** – Failure to be aware of and follow college academic and administrative policies as outlined here and in the college catalog and semester schedule books may result in loss of credit and/or delayed graduation. Questions should be addressed to the department advising coordinator or the university advising center.
- ❖ **Pass/Fail limitations** – Courses that meet major, teacher certification, and general education requirements may NOT be taken pass/fail.
- ❖ **Prerequisites** – It is the student’s responsibility to ensure that courses are taken in the academically correct order. Prerequisites for courses may be found in the current college catalog or semester schedule book. Students taking some upper level courses such as Geohydrology and Environmental Geochemistry will require prerequisites in math, chemistry, or geoscience.
- ❖ **Basic skills** – Students placed into basic skill courses as a result of the New Jersey College Basic Skills Placement Test are required to enroll in those courses the first semester and continue in sequence each semester until required work is completed. All basic skills course work is counted in the cumulative grade-point average, but only Basic Composition may be used toward the 128 semester hour degree requirement.
- ❖ **Final evaluation** – Students who are eligible for graduation must file an “Application for Final Evaluation” with the Registrar by October 1 for May graduation, March 1 for August graduation, or June 1 for January graduation.
- ❖ **Residency requirements** – A minimum of 32 semester hours must be taken at MSU; the last 24 semester hours must be taken in consecutive residence at MSU.
- ❖ **Free electives** – Free electives are defined as credits not applicable to general education or major requirements.

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**Geography Environmental Studies Concentration Program**  
**Suggested Sequence**

Based on new 120 SH graduation requirement and new (2002) Gen Ed requirements.  
 Assumes exemption from basic skills requirements.

<b>Freshman: Fall</b>	<b>SH</b>	<b>Freshman: Spring</b>	<b>SH</b>
<b>GEOS 107</b>	<b>4</b>	<b>ENVR/PSYC 109</b>	<b>3</b>
<b>EUGS 102</b>	<b>3</b>	<b>MATH 109</b>	<b>3</b>
Gen Ed. Computer Science	3	Gen Ed. Contemporary Issues I	3
Gen Ed. Writing	3	Gen Ed. Literature	3
New Student Experience	1	Gen Ed. Humanities, Arts, or Social Science	3
Gen Ed. Physical Education	1		
	15		15
<b>Sophomore: Fall</b>		<b>Sophomore: Spring</b>	
<b>EUGS 206</b>	<b>3</b>	<b>EUGS 270</b>	<b>3</b>
<b>BIOL 113 or CHEM 120</b>	<b>4</b>	<b>BIOL 213 or CHEM 121</b>	<b>4</b>
Gen Ed. Communications	3	Gen Ed. Humanities, Arts, or Social Science	3
Gen Ed World Language I	3	Gen Ed. World Language II	3
Gen Ed Contemporary Issues II	3	Gen Ed. Contemporary Issues III	3
	16		16
<b>Junior: Fall</b>		<b>Junior: Spring</b>	
<b>EUGS 309</b>	<b>3</b>	<b>GEOS/ENVR 262 or ENVR 410</b>	<b>3</b>
<b>EUGS/ECON 300 or major elective</b>	<b>3-4</b>	<b>ENVR/GEOS 455 or GEOS 450</b>	<b>3</b>
<b>LSLW 200 or ECON 101</b>	<b>3</b>	<b>LSPR 312 or ECON 102</b>	<b>3</b>
Gen Ed. Humanities, Arts, or Social Science	3	Free elective	6
Free elective	3		
	15-16		15
<b>Senior: Fall</b>		<b>Senior: Spring</b>	
<b>EUGS 466</b>	<b>3</b>	<b>GEOS/ENVR 262* or ENVR 410</b>	<b>3</b>
<b>EUGS/ECON 300* or major elective</b>	<b>3-4</b>	<b>EUGS 331 or EUGS/GEOS 470</b>	<b>3</b>
Gen Ed. Humanities, Arts, or Social Science	3	<b>Major Elective</b>	<b>3-4</b>
Free elective	6	Gen Ed. Humanities, Arts, or Social Science	3
	15-16		12-13

**MINIMUM TOTAL FOR GRADUATION IS 120 SEMESTER HOURS**

\* Sample program assumes that GenEd math and social science are satisfied within the major and collaterals.  
 Additional Gen Ed Non-Western Cultural Perspectives and Gen Ed science lab may also be satisfied within the choice of courses in the major or collaterals.

\*\* Exact number of free electives required depends on the number of hours taken for the major, including some that may simultaneously fulfill GenEd requirements. Free electives may also be used to complete a minor or to take additional major courses.