

# EDUCATION & GEOGRAPHY

## DUAL MAJOR B.A. - EDUCATION & GEOGRAPHY: PROGRAM GUIDE - Fall 2017



NAME: \_\_\_\_\_, \_\_\_\_\_ BANNER ID: \_\_\_\_\_ DATE: \_\_\_\_\_  
Last First mm/dd/yyyy

ADVISING DATE: \_\_\_\_\_ ADVISED BY: \_\_\_\_\_ ANTICIPATED GRADUATION: \_\_\_\_\_  
mm/dd/yyyy

### GRADUATION REQUIREMENTS (*minimum*) MINOR and/or CONCENTRATION: \_\_\_\_\_

- 2.00 Overall G.P.A.
- 2.5 Major G.P.A.
- Seniors should meet with the advisement coordinator before applying for graduation.

### GENERAL EDUCATION REQUIREMENTS \*Choice from Approved Gen Ed Guide – *Italics indicate prerequisites*

#### COMMUNICATIONS BANK - *minimum 6 s.h.*

**6 S.H.**

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#1	COMP 01111	College Comp I				3 s.h.
#2	COMP 01112	College Comp II <i>*College Comp I</i>				3 s.h.

#### SCIENCE/MATHEMATICS BANK - *minimum 7 s.h.*

**7 S.H.**

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#3		<i>Course from Mathematics Bank</i>				3 s.h.
#4		<i>Lab Science</i>				4 s.h.

#### SOCIAL & BEHAVIORAL SCIENCES BANK - *minimum 9 s.h.*

**9 S.H.**

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#5						3 s.h.
#6						
#7						

#### HISTORY/HUMANITIES/LANGUAGE BANK - *minimum 9 s.h.*

**9 S.H.**

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#8						
#9						
#10						

#### NON-PROGRAM COURSES - *minimum 15 s.h.*

**15 S.H.**

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#11						
#12						
#13						
#14						
#15						

### ROWAN EXPERIENCE REQUIREMENTS (at least one course completed with the following approved RE designation)

	Course #	Course Name / Notes	Sem. Planned	Sem. Completed	Grade	Credits
#16	(PS) Public Speaking * <i>Comp I &amp; II</i>	CMS 04205				3 s.h.
#17	(ACE) Artistic/Creative Experience					
#18	(LIT) Broad Based Literature Course					
#19	(WI) Writing Intensive Course					
#20	(M/G) Multicultural/Global Course					
#21	(LAB) Lab Science Course					
#22	(RS) Rowan Seminar– <i>Freshmen Only</i>					
#23	Computer Competency Exam or Course					

♦ NOTE: M/G, LIT, ACE, WI and RS courses, if taken within the major program of study, CAN NOT COUNT towards the minimum total of Gen Ed 42 credits.

NOTES: \_\_\_\_\_

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**Dual Major: Bachelor of Arts, Education & Geography**

**Major Requirements**

**TOTAL 40 S.H.**

**Introductory Geography Requirements: Take two of the following three courses.**

**6 S.H.**

	Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#24	GEOG 16100	Earth, People and Environment					3 s.h.
#25	GEOG 16110	Cultural Geography					3 s.h.
#26	GEOG 16140	World Regional Geography					3 s.h.

**Geography Core Requirements: Must take the following five courses**

**16+ S.H.**

	Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#27	GEOG 16160	Intro to Mapping and GIS					3 s.h.
#28	GEOG 16130	Earth Sciences Lab I (Old Physical Geog.)					4 s.h.
#29	GEOG 16290	History & Methods of Geography					3 s.h.
#30	ELEM 02448	Clinical Practice (PRAXIS II passing scores & completion of all education courses are prerequisites; SECD 03350 & ELEM 02445 are corequisites) This course may be taken in place of Geo Research Clinic					.
#31	GEOG 16490	Senior Seminar in Geography - <i>WI</i>					3 s.h.

**Applied Geographic Knowledge Concentration (This is part of the DUAL MAJOR)**

**Concentration Core Requirements: Must take the following three courses.**

**9 S.H.**

	Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#32	GEOG 16355	Foundation in Geographic Knowledge					3 s.h.
#33	GEOG 16241	Geography of New Jersey					3 s.h.
#34	GEOG 16304	Population Geography					3 s.h.

**Regional Geography Requirements: Take at least one course from the Regional Geography course bank.**

**3 S.H.**

	Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#35							3 s.h.

<p><b>Regional Geography Bank</b></p> <p>GEOG 16140: World Regional Geography</p> <p>GEOG 16240: Geography of the US and Canada</p> <p>GEOG 16241: Geography of New Jersey</p> <p>GEOG 16342: Geography of Europe</p> <p>GEOG 16343: Geography of Asia</p> <p>GEOG 16344: Geography of Latin America</p> <p>GEOG 16345: Geography of Africa</p> <p>GEOG 16346: Geography of the C.I.S. (former Soviet Union)</p> <p>GEOG 16347: Geography of the Middle East</p>
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**Program Electives: You must also take two additional courses offered within the Geography & Environment**

department selected in consultation with the program coordinator.

6 S.H.

Course #	Course Name	Notes	Sem. Planned	Sem. Completed	Grade	Credits
#36						
#37						

<p><b>Geographic Studies Bank</b></p> <p>GEOG 16100: Earth, People &amp; Environment            GEOG 16110: Cultural Geography            GEOG 16140: World Regional Geography            GEOG 16355: Foundations in Geographic Knowledge            GEOG 16290: History and Methods of Modern Geography            GEOG 16240: Geography of the US and Canada            GEOG 16312: Cultural Landscapes            GEOG 16301: Economic Geography            GEOG 16302: Urban Geography            GEOG 16303: Political Geography            GEOG 16304: Population Geography            GEOG 16250: Selected Topics in Geography &amp; Environment            GEOG 16490: Senior Research Seminar in Geography            GEOG 16390: Geography Research Clinic/Studio</p>	<p><b>Planning Bank</b></p> <p>PLAN 31280: Introduction to Planning &amp; Environmental Design            GEOG 16160: Intro to Mapping and GIS            GEOG 16302: Urban Geography            GEOG 16370: Remote Sensing/Air Photo Interpretation            GEOG 16307: Transportation Geography            GEOG 16304: Population Geography            PLAN 31386: Land Use and Conservation            GEOG 16335: Field Studies in Geography            PLAN 31486: Community Planning and Site Design            GEOG 16361: Geovisualization            PLAN 31385: New Jersey Applied Planning Practice            PLAN 31389: Environmental/Sustainable Planning            PLAN 31383: Metropolitan/Regional Planning            PLAN 31384: Water Resources Planning</p>
<p><b>Regional Geography Bank</b></p> <p>GEOG 16140: World Regional Geography            GEOG 16240: Geography of the US and Canada            GEOG 16241: Geography of New Jersey            GEOG 16342: Geography of Europe            GEOG 16343: Geography of Asia            GEOG 16344: Geography of Latin America            GEOG 16345: Geography of Africa            GEOG 16346: Geography of the C.I.S. (former Soviet Union)            GEOG 16347: Geography of the Middle East</p>	<p><b>Geospatial Techniques (GIS) Bank</b></p> <p>GEOG 16370: Remote Sensing /Air Photo Interpretation            GEOG 16365: Geospatial Modeling            GEOG 16361: Geovisualization            GEOG 16261: Cartography            GEOG 16375: Remote Sensing of the Environment            GEOG 16350: Quantitative Methods in Geography            GEOG 16160: Intro to Mapping and GIS            GEOG 16260: Geographic Information Systems I            GEOG 16360: Geographic Information Systems II            GEOG 16462: Web Mapping and GIS Services</p>
<p><b>Geosciences Bank</b></p> <p>GEOG 16100: Earth, People &amp; Environment            GEOG 16330: Geology I 4 s.h.            GEOG 16130: Earth Sciences Lab I (Investigations in Ph. Geography) 4 s.h.            GEOG 16338: Climatology            GEOG 16370: Remote Sensing /Air Photo Interpretation            GEOG 16335: Field Studies in Geography            GEOG 16332: Geomorphology            GEOG 06326: The Geoscience of Natural Disasters            GEOG 16331: Geology of the National Parks            ASTR 13101: Meteorology            ASTR 17110: Principles of Earth Science</p>	<p><b>Environmental Studies Bank</b></p> <p>ENST 94101: Env Studies - Physical Perspectives            ENST 94102: Env Studies - Social Perspectives            ENST 94301: Environmental Ethics            ENST 94121: Field Methods &amp; Research Design            ENST 94400: Environmental Impact Assessment            ENST 94401: Senior Seminar in Env Studies I            ENST 94402: Senior Seminar in Env Studies II</p>

**Major Requirements..... 40 S.H.**  
**Free Electives..... 31 S.H.**  
**General Education and Rowan Experience (see other side)..... 49 S.H.**  
**Total Credits in Program .....120 S.H.**

- ◆ This information has been provided by the department listed above as of the date listed below and is subject to change.
- ◆ To declare this major go to the CAP Center in Savitz Hall.

## Suggested Course Sequence

### Dual Major: Bachelor of Arts, Education & Geography

Year I (courses that should normally be taken in the freshman year)

Fall* (15 – 16 s.h.)	Spring (15 – 16 s.h.)
College Comp I General Education Course General Education Course General Education Course (1 of the 2 Intro Geography Courses)	College Comp II General Education Course General Education Course General Education Course Intro to Mapping and GIS

Year II (courses that should normally be taken in the sophomore year)

Fall (16 – 17 s.h.)	Spring (15 – 16 s.h.)
Public Speaking General Education Course General Education Course (1 of the 2 Intro Courses) Investigations in Physical Geography	Artistic/Creative Experience General Education Course General Education Course Free Elective The History and Methods of Modern Geog

Year III (courses that should normally be taken in the junior year)

\*\* Junior year is an optimal time to consider study abroad programs.

Fall (15 – 16 s.h.)	Spring (15 – 16 s.h.)
General Education Course General Education Course Free Elective Foundations in Geographic Knowledge Geography of New Jersey	General Education Course Free Elective Free Elective Population Geography Regional Geography Course

Year IV (courses that should normally be taken in the senior year)

Fall (15 – 16 s.h.)	Spring (15 – 16 s.h.)
Free Elective Free Elective Free Elective Program Elective Geography Research Clinic/Studio or Internship	Free Elective Free Elective Free Elective Program Elective Senior Seminar in Geography - WI

\* One of the courses required for first semester freshmen must be a Rowan Seminar course.