

**PROGRAM GUIDE**

**BACHELOR OF ARTS, GEOGRAPHY- Geographical Information Systems and Cartography Track**

- ◆ All students are required to take a minimum combined total of 42 semester hours of General Education and Rowan Experience courses. *(Italics indicate prerequisites)*

GENERAL EDUCATION REQUIREMENTS (choice from Approved Gen Ed Guide)				
Transfer	Rowan	Hegis #	COMMUNICATIONS BANK <i>minimum 6 s.h.</i>	6 S.H.
		COMP01.111	College Composition I	3 s.h.
		COMP01.112	College Composition II ( <i>College Composition I</i> )	3 s.h.
		Hegis #	SCIENCE/MATHEMATICS BANK <i>minimum 7 s.h.</i>	7 S.H.
			Math/Science (choice from Approved General Education Courses)	3 s.h.
			Lab Science (choice from Approved General Education Courses)	4 s.h.
		Hegis #	SOCIAL & BEHAVIORAL SCIENCES BANK <i>minimum 6 s.h.</i>	6 S.H.
			(choice from Approved General Education Courses)	3 s.h.
			(choice from Approved General Education Courses)	3 s.h.
		Hegis #	HISTORY/HUMANITIES/LANGUAGE BANK <i>minimum 6 s.h.</i>	6 S.H.
			(choice from Approved General Education Courses)	3 s.h.
			(choice from Approved General Education Courses)	3 s.h.
		Hegis #	NON-PROGRAM ELECTIVES <i>minimum 6 s.h.</i>	6 S.H.
				3 s.h.
				3 s.h.

ROWAN EXPERIENCE REQUIREMENTS (choose from Approved RE Guide)				
(Can be taken as a Gen Ed OR within the major requirements.)				
Transfer	Rowan	Hegis #		
		CMS 04205	Public Speaking ( <i>College Composition I and II</i> )	3 s.h.
			Artistic/Creative Experience	3 s.h.
CHECK TO BE SURE THE FOLLOWING REQUIREMENTS ARE COMPLETED				
			Broad Based Literature Course (LIT)	
			Writing Intensive Course (WI) ( <i>College Composition II</i> )	
			Multicultural/Global Course (M/G)	
			Lab Science Course (LAB)	
			Computer Competency Exam or Computer Literacy Course	
			Rowan Seminar (RS) – <i>Freshmen Only</i>	

- ◆ **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.*
- ◆ 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.
- ◆ *Students should consult with their program advisor for suggested General Education and Rowan Experience courses.*

**Bachelor of Arts, Geography, Geographical Information Systems and Cartography Track**

**Program Requirements** ..... **37 s.h.**

Course #	COURSE NAME	S.H.	PREREQUISITES
<b>GEOG06.103</b>	Geology I (Can be used as Gen Ed Math/Science)		

**Common Core Requirements** ..... **16 s.h.**

GEOG06.110	Investigations in Physical Geography		
GEOG06.193	Introduction to Mapping and Geographical Information Sciences		
GEOG06.493	Senior Seminar in Geography [WI]		
Take two of the three courses listed to the right.			
GEOG06.100	Introduction to Geography & Earth Studies [MC/G]		
GEOG06.102	Cultural Geography [MC/G]		
GEOG06.111	World Regional Geography [MC/G]		

**Geographical Information Systems and Cartography Track** ..... **21 s.h.**

<b>Geographic Techniques [18 s.h.]</b>			
GEOG06.306	Cartography		
GEOG06.308	Remote Sensing / Air Photo Interpretation		
GEOG06.350	Quantitative Methods in Geography		
GEOG06.360	Geographic Information Systems I		
GEOG06.415	Geographic Information Systems II		
<b>One additional techniques course. Select from listing in Liberal Arts Track.</b>			
<b>Systematic Geography [Choose one]</b>			
GEOG06.301	Economic Geography		
GEOG06.302	Urban Geography		
GEOG06.303	Political Geography		
GEOG06.305	Climatology		
GEOG06.310	Land Use and Resource Development		
GEOG06.313	Transportation Geography		
GEOG06.325	Geomorphology		

**Free Electives**..... **s.h.**

**Total Credits in Program** ..... **120 S.H.**

## Transfer Sequence for (Geography Major)

### Suggested Sequence: Community College (61 credits)

Fall 1	Spring 1	Fall 2	Spring 2
College Comp I -3	College comp II - 3	Public Speaking - 3	GE Humanities - 3
GE Math Choice 3	GE Soc Science Choice – 3	GE Humanities - 3	GE History - 3
GE Soc Science Choice – 3	GE Math Choice 3	GE History - 3	Computer Application or Prog VB - 3
GE Science Lab (Bio.) - 4	GE Elective - 3	Diversity - 3	Elective - 3
GE Humanities 3	Elective - 3	Elective - 3	Elective - 3
Total- 16	Total- 15	Total- 15	Total- 15

### Rowan University Sequence (59) In the table “|” = OR

Fall 3	Spring 3	Fall 4	Spring 4
Cult Geo   World Reg Geo   Intro Geo & Earth Stud (Majors need 2 of these 3) 3 MC/G	Cult Geo   World Reg Geo   Intro Geo & Earth Stud (Majors need 2 of these 3) 3 MC/g	Geo Maj Track Req - 3	Senior Seminar in Geography WI - 3
Intro. Mapping & GIS – 3	Geology I - 4	Invest Phys Geo - 4	Geo Maj Track Req – 3
Geo Maj Track Req - 3	Geo Maj Track Req - 3	Geo Maj Track Req – 3	Geo Maj Track Req – 3
Art Elective - 3	Literature Elective - 3	Geo Maj Track Req – 3	Elective - 3
Elective - 3	Elective - 3	Elective - 3	
Total- 15	Total- 16	Total - 16	Total - 12

Fall 5	Spring 5	Fall 6	Spring 6
Total -	Total -	Total-	Total-