



GEOGRAPHY

Associate Professor Stephen Matchak, Chairperson
Associate Professors: Laurence E. Goss, Jr, William L. Hamilton., John T. Hayes, Stephen S. Young
Assistant Professors: Keith Ratner, Steven Silvern
Computer System Staff: Kym Pappathanasi, Marcie Talbot
Professors Emeritus: Richard T. Anderson, Robert H. Arnold, Theodore S. Pikora

PROGRAMS OFFERED

Bachelor of Science - Cartography and Geographic Information Systems

Bachelor of Arts in Geography

Concentrations

Regional Studies Concentration

Bachelor of Science in Geography

Concentrations

Environment
Natural Resource Management
Regional Development and Planning
Travel and Tourism

Minors

Cartography
Geography
Secondary Education
Natural Resource Management

Programs in Geography

The Department of Geography offerings combine a strong background in the academic tradition of Geography with applied fields such as, travel and tourism, urban and environmental planning, location analysis and marketing geography, environmental assessment, tourism development, travel marketing, cartography, map production, computer mapping, imagery interpretation, spatial database development and management, and geographic information systems.

A senior year placement seminar and internship program provide an opportunity for career counseling and professional experience for academic credit. Department internship contacts with many businesses and agencies are valuable resources for student employment upon graduation. In addition, a number of students continue their education in graduate schools in a number of universities in the nation.

The department is located adjacent to the College Library, with its extensive collection of geography materials and the College Computer Center which houses a number of micro-computers. Department facilities include a library, a Travel Center, a physical geography laboratory, two cartography, and a Digital Geography Laboratory with an NT Server with over \$10 million dollars of hardware and software and 25 workstations, high speed printers, digitizing and scanner equipment, and a variety of output devices, including ink jets and laser printers and dye-sublimation plotters.

Minors

Minor in Geography.

Intro to Geography-GGR 105; either GGR 100P or GGR 101P; and three to four geography electives.

Minor in Cartography.

Cartography - GGR 241; one course in Geography to be selected after consultation with advisor; Map Reading and Interpretation - GGR 240 or Computer Mapping; and a minimum of three elective courses in Cartography as approved by the Chairperson.

Minor in Secondary Education.

A Geography major may minor in Secondary Education. Please consult the listings in the Education Department for requirements.

Minor in Natural Resource Management

The courses are:
GGR 150 Intro. To Maps & GIS
GGR 262P Environmental Geography
GGR 250P Intro. To Natural Resource Management
GGR 352P Environmental Assessment
Or
GGR 370 Land Use Planning & Analysis
GGR 275 Geographic Perspectives on Sustainable Development
The Total is 15 credit hours.





Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
CARTOGRAPHY AND GIS**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
_____	_____	(Lab Science I)	3-4	_____	
_____	_____	(Lab Science II)	3-4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (42 credit hours)

Geographic Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	205	Geographic Research	3	_____
GGR	150	Maps & GIS	3	_____

Concentration Required Courses (18 credit hours)

GGR	241	Cartography	3	_____
GGR	242	Computer Cartography	3	_____
GGR	320	GIS	3	_____
GGR	342	Air Photo Interpretation	3	_____
GGR	343	Remote Sensing	3	_____
GGR	420	Quantitative Geography	3	_____

Geography Electives (12 credit hours)

*	GGR	_____	Cartography Elective	_____	_____
*	GGR	_____	Cartography Elective	_____	_____
	GGR	_____	Geography Elective	_____	_____
	GGR	_____	Geography Elective	_____	_____

****MINOR/FREE ELECTIVES (Minimum: 33 credits)**

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

@ Requirements so marked should be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.
* Cartography electives include: GGR 343, 400, 410, 444, 445, and 500. Directed Study and field experience credits may be used subject to approval.
** Electives in Computer Science and Mathematics are strongly recommended.

Note: If a course is used to satisfy two or more requirements (for example, a support course and a distribution elective), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.

Total credits for graduation: 126

Effective: 9/02



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
GEOGRAPHY
ENVIRONMENT CONCENTRATION**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
_____	_____	(Lab Science I)	4	_____	
_____	_____	(Lab Science II)	4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (45 credits)

Geographic Core (23 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	150	Intro to Maps & GIS	3	_____
GGR	205	Geographic Research	3	_____
GGR	100P	Weather & Climate or		
GGR	101P	Physical Geography I	4	_____
GGR	102P	Physical Geography II	4	_____
GGR	_____	Human Geography (Choose one of the following)	3	_____

{GGR 204, GGR 270, GGR 271, GGR 275, GGR 280, GGR 313, GGR 315}

Concentration Required Courses (22 credit hours)

GGR	262	Geography of Global Change	3	_____
GGR	332P	Biogeography	3	_____
GGR	350P	Meteorology	3	_____
GGR	354P	Soils I	4	_____
GGR	320	GIS	3	_____
GGR	343	Remote Sensing	3	_____
GGR	420	Quantitative Geography	3	_____

Electives (12 credit hours)

(Choose 4 of the following)

GGR 334P, GGR 315P, GGR 355P, BIO 300, BIO 320, GLS 210, GLS 214, GLS 215, GLS 356, GLS 357, GLS 360, GLS 372, ECO 319.

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

*** MINOR/FREE ELECTIVES (Minimum: 18 credits)**

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

@ Requirements so marked should be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.

* While the Department does not require a Minor, it encourages Minors in areas related to the concentration.

Total credits for graduation: 126

Effective: 9/02



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
GEOGRAPHY
TRAVEL & TOURISM CONCENTRATION**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
*	_____	(Lab Science I)	3-4	_____	
*	_____	(Lab Science II)	3-4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (42 Credit Hours)

Geographic Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	150	Intro to Maps & GIS	3	_____
GGR	205	Geographic Research	3	_____

Concentration Required Courses (15 credit hours)

GGR	222	Geography of the U.S.	3	_____
GGR	261	Survey of Travel and Tourism	3	_____
GGR	270	Economic Geography	3	_____
GGR	363	Global Travel Industry	3	_____
GGR	365	Econ Dimensions of Tsm	3	_____

Geography Electives (15 credit hours)

GGR	_____	Elective	3	_____
GGR	_____	Elective	3	_____
GGR	_____	Elective	3	_____
GGR	_____	Elective	3	_____
GGR	_____	Elective	3	_____

MINOR/FREE ELECTIVES (Minimum: 33 credits)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

@ Requirements so marked should be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.
* GGR 100P or GGR 101P is recommended in partial fulfillment (with GLS 100, Physical Geology) of the distribution requirement of a full-year laboratory science sequence.

Note: If a course is used to satisfy two or more requirements (for example, a support course and a distribution elective), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.

Total credits for graduation: 126

Effective: 9/02



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
GEOGRAPHY
REGIONAL DEVELOPMENT & PLANNING CONCENTRATION**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____

Physical Education Activities (1 cr. total)

@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
*	_____	(Lab Science I)	4	_____	
*	_____	(Lab Science II)	4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

****Distribution Electives (18 credits)**

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (42 CREDIT HOURS)

Geography Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	150	Intro to Maps & GIS	3	_____
GGR	205	Geographic Research	3	_____

Concentration Required (18 credit hours)

GGR	265	Introduction to Planning	3	_____
GGR	270	Economic Geography	3	_____
GGR	271	Urban Geography	3	_____
GGR	315	Population Geography	3	_____
GGR	320	GIS	3	_____
GGR	370	Land Use Planning & Analysis	3	_____

*****Geography Electives (12 credit hours)**

GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Physical Geography Elective	3	_____

****** MINOR/FREE ELECTIVES (Minimum: 33 credits)**

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

@ Requirements so marked should be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.
* GGR 101P, Physical Geography is recommended in partial fulfillment with GLS100, Physical Geology of the distribution requirement of a full-year laboratory science sequence.
** Recommended as electives or distribution: BIO 103, 208; COM 202, 330; ECO 303; GLS 100, 214, 355; HIS 220, 367; PHL 204; POL 312, 315, 319; PSY 255; SOC 341, 348; SPC 101 B
*** Concentration electives shall be selected with the advisor and shall be grouped to reflect the area of specialization of the student. Suggested courses include: GGR 211, 256, 270, 342, 343, 360, 364, 371, 372, 375, 377, 378, 420, 421, 456, 470, 250P, 350P, 351P, 354P, 355P, 455.
**** While the Department does not require a Minor, it encourages Minors in areas related to the concentration.
Note: If a course is used to satisfy two or more requirements (for example, a support course and a distribution elective), the credits are counted in only one place.
Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.
Total credits for graduation: 126

Effective: 9/02



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
GEOGRAPHY**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
*	_____	(Lab Science I)	3-4	_____	
*	_____	(Lab Science II)	3-4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (33-37 CREDIT HOURS)

Geographic Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	205	Geographic Research	3	_____
GGR	150	Intro to Maps & GIS	3	_____

Concentration Required Courses (6-10 credit hours)

+	GGR	_____	Human Geography Elective	3	_____
**	GGR	_____	Physical Geography Elective	3	_____
***	GGR	100P	Weather & Climate		
			or		
***	GGR	102P	Physical Geography II	4	_____

Geography Electives (15 credit hours)

GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____

MINOR/ FREE ELECTIVES (minimum 38 credits)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

@ Requirements so marked should be completed within the first 53 credits of study (i.e.) before Junior status). Exceptions will be made for transfer students.
 * GGR 100P and GLS 100 are recommended for the fulfillment of the distribution requirement for a full-year laboratory science sequence.
 + Human Geography Electives: GGR204, 270, 271, 280, 313 or 315
 ** Physical Geography Electives: GGR102P, 210, 250P, 350P or 351P
 *** Requirement can be satisfied in lab science sequence



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF ARTS GEOGRAPHY
REGIONAL STUDIES CONCENTRATION**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
*	_____	(Lab Science I)	3-4	_____	
*	_____	(Lab Science II)	3-4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (36-40 CREDIT HOURS)

Geography Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	205	Geographic Research	3	_____
GGR	150	Maps & GIS	3	_____

Concentration Required Courses (6-10 credit hours)

+	GGR	_____	Human Geography Elective	3	_____
	GGR	222	Geography of the U.S.	3	_____
**	GGR	100P	Weather & Climate		
			or		
**	GGR	102P	Physical Geography II	4	_____

Geography Electives (18 credit hours)

GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____
GGR	_____	Geography Elective	3	_____

Foreign Language (12 credits)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

MINOR/ FREE ELECTIVES (minimum 23 credits)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- @ Requirements so marked should be completed within the first 53 credits of study (i.e.) before Junior status). Exceptions will be made for transfer students.
- * GGR 100P and GLS 100 are recommended for the fulfillment of the distribution requirement for a full-year laboratory science sequence.
- + Human Geography Electives: GGR204, 270, 271, 280, 313 or 315
- ** Courses may be taken as part of the science sequence.

Total credits for graduation: 126

Effective 9/02



Geography
Salem State College
Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

**BACHELOR OF SCIENCE
GEOGRAPHY
NATURAL RESOURCE MANAGEMENT**

CORE REQUIREMENTS

Competency-Based Skills

- @ Basic College Math
- @ Reading Comprehension
- @ Computer Literacy

@	ENG	101	Composition I	3	_____
@	ENG	102	Composition II	3	_____
@	SPC	101	(Speech)	3	_____
@	SFL	194	Health and Wellness	3	_____
			Physical Education Activities (1 cr. total)		
@	SFL	_____	_____	_____	_____
@	SFL	_____	_____	_____	_____

Distribution Sequences (18-20 credits)

_____	_____	(Literature I)	3	_____	
_____	_____	(Literature II)	3	_____	
_____	_____	(Lab Science I)	3-4	_____	
_____	_____	(Lab Science II)	3-4	_____	
@	HIS	101	History of World Civilization I	3	_____
@	HIS	_____	(History II)	3	_____

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Science/Mathematics (Division II)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Social Sciences (Division III)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Note: Courses allowable as distribution electives are marked 'D' in the College Catalog or indicated by appropriate footnotes.)

COURSES IN MAJOR (39-43 credit hours)

Geographic Core (12 credit hours)

GGR	105	Introduction to Geography	3	_____
GGR	110	World Regions	3	_____
GGR	150	Intro to Maps & GIS	3	_____
GGR	205	Geographic Research	3	_____

Concentration Required Courses (27-31 credit hours)

GGR	100P	Weather & Climate	or	_____
GGR	101P	Physical Geography I		4 _____
GGR	102P	Physical Geography II		3 _____
GGR	262P	Environmental Geography		3 _____
GGR	250P	Intro. to Natural Res. Mngt.		3 _____
GGR	320	GIS		3 _____
GGR	343	Remote Sensing		3 _____
GGR	352P	Environmental Assessment		3 _____
GGR	370	Land Use Planning	or	_____
GGR	365	Introduction to Planning		3 _____
GGR	358	Water Resource Management		3 _____
GGR	275	Geo. Persp. Sus. Dev.		3 _____

Support Courses (6 credit hours)

ECO	319	Environmental Resources	3	_____
PHL	224	Environmental Ethics	3	_____

****MINOR/FREE ELECTIVES (Minimum: 26 credits)**

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Geography

@ Requirements so marked should be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.
Note: If a course is used to satisfy two or more requirements (for example, a support course and a distribution elective), the credits are counted in only one place.
Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.

Total credits for graduation: 126

Effective: 9/02