



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