



Mathematics
Salem State College
Advisor: _____

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

**BACHELOR OF SCIENCE
MATHEMATICS
COMPUTER SCIENCE 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 credits)

MAT	220	Calculus I	4	_____
MAT	221	Calculus II	4	_____
MAT	303	Modern Algebra	3	_____
MAT	304A	Linear Algebra	3	_____
MAT	320	Calculus III	4	_____
MAT	214	Discrete Structures	3	_____
MAT	316	Combinatorial Mathematics	3	_____
MAT	323	Numerical Analysis	3	_____
MAT	_____	_____	3	_____
MAT	_____	_____	3	_____
MAT	_____	_____	3	_____

Also required are three courses from the approved list.

Approved List: 306, 308, 314, 404, 405, 407, 409, 410, 411, 412, 413, 414, 415, 417, 421, 424, 427

MINOR IN COMPUTER STUDIES (18-19 credits)

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

FREE ELECTIVES (minimum: 21 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.

Secondary Education minor: Requires Mathematics majors to complete MAT 405 and MAT 407.

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: 127

Effective: 9/04