

# BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in MATHEMATICS, MINOR IN EDUCATION with Secondary Teacher Certification, 6-12 (2002-2003 Academic Year)

DATE \_\_\_\_\_

SEMESTER OF ENTRY \_\_\_\_\_

NAME: \_\_\_\_\_

PHONE: \_\_\_\_\_

Attach this checklist to the catalog for the year listed above and bring to your advising sessions each semester.

GRADUATION REQUIREMENT: Students must submit a total of 120 semester credit hours (with a minimum G.P.A. of 2.0 from Benedictine University courses) of which 45 semester hours, including twelve 200+ level semester credit hours in their major field, must be from Benedictine University.

NOTES: Hours referred to below are semester credit hours.

### BASIC SKILLS (12 HOURS)

College	Course #	Cr.	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Argumentative Writing (RHET-S101)  
 Research Writing (RHET-S102)  
 Basic Speech (RHET-S110)  
 Finite Math I (MATH-S105) or  
 Quantitative Reasoning (MATH-S108) or  
 College Algebra (MATH-S110)

### COMMON CORE (12 HRS / 6 HRS FOR 20+ TRANSFERS)

College	Course #	Cr.	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

HUMN-101 1st Year Seminar  
 HUMN-220, 230, or 240  
 HUMN-250 required for all students  
 American History  
 HUMN-220 - 250 taken at Benedictine comprise the Cultural Heritage Series. Transfers with 20+ hours are exempt from the First Year Seminar and one Cultural Heritage class.

**CORE ELECTIVES (30 HOURS)** The approval of transfer courses for Core Electives is done at the point of transfer according to transfer guidelines. Transfer students must satisfy their remaining core elective hours using appropriate core elective courses [labeled 'C' in the Catalog and Course Schedule] or a designated history course [labeled 'R' in the Catalog and Course Schedule]. One of the Cultural Heritage classes may meet a Core Elective requirement in the Arts and Humanities [exclusive of the FNAR/MUSI requirement] or in the Social Sciences.

### ARTS AND HUMANITIES (12 HOURS)

College	Course #	Cr.	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PHIL \_\_\_\_\_  
 RELS \_\_\_\_\_  
 FNAR/MUSI \_\_\_\_\_  
 LITR \_\_\_\_\_

For transfers with 20+ hours: 4 courses with at least 1 but no more than 2 courses in FNAR/MUSI, and one in PHIL/RELS/LITR/FRLGLITR. The remaining two courses are to be chosen from COMM; FNAR; FRLG; HIST; LITR; MUSI; PHIL; RELS.  
 (LITR must be included to satisfy ENG requirement for teacher certification).

### NATURAL SCIENCES (9 HOURS)

College	Course #	Cr.	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

BIOLOGY (e.g., NTSC 111)  
 Physical Science (e.g., NTSC 112)  
 Biology or Physical Science with Lab  
 Note: 9 hours of BIOL and PHYS SCI coursework required.

### NON-WEST CULTURAL REQUIREMENT\*\*\*

Teaching certification candidates must take a non-west/3<sup>rd</sup> world culture course that may apply to one of the Humanities or Social Science requirements.

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### SOCIAL SCIENCES (9 HOURS)

College	Course #	Cr.	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ECON \_\_\_\_\_  
 PLSC-102 American Government  
 PSYC-241 Educational Psychology

For transfers with 20+ hours: 3 courses from at least 2 areas of ECON; ANTH; PLSC; PSYC; SOCL.

### MAJORS AND COGNATES

_____	_____	5	_____	MATH-210 Calc w Analytics I*	_____	_____	3	_____	MATH-341 Real Analysis
_____	_____	4	_____	MATH-211 Calc w Analytics II	_____	_____	3	_____	MATH Elective [300 level sequence]
_____	_____	4	_____	MATH-212 Calc w Analytics III	_____	_____	_____	_____	_____
_____	_____	4	_____	MATH-260 Differential Equations	_____	_____	3	_____	MATH Elective (200-300 level)
_____	_____	3	_____	MATH-300 Linear Algebra	_____	_____	3	_____	MATH Elective (200-300 level)
_____	_____	3	_____	MATH-310 Modern Geometry	_____	_____	3	_____	CMSC-120 Prob Solv w/ Computers
_____	_____	3	_____	MATH-331 Abstract Algebra I	_____	_____	_____	_____	Comprehensive Exam

All majors must submit at least 37 hours from mathematics courses [with a grade of "C" or better], at the 200 level or above, including 15 hours at the 300 level. Seniors are required to pass an externally administered examination at a proficiency level set by the department.

\*MATH-210 may be replaced by taking both MATH-170 and MATH-200.

To meet certification requirements, the student must fulfill one of the elective courses from among: MATH-240, 332, 361, 371, 373; CMSC-200.

**A cumulative 2.5 GPA is needed for teacher certification: overall, in major and in professional education courses. [GPA is based on Benedictine University courses only]**

