

# BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS (Concentration: Engineering Physics) (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**  
 College Algebra (MATH-S110) **or**  
 Quantitative Reasoning (MATH-S108)

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

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

HUMN-101 1st Year Seminar  
 HUMN-220, 230, or 240  
 HUMN-220, 230, or 240  
 HUMN-250 required for all students  
 HUMN-220, 230, 240, 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/FRLGLITR \_\_\_\_\_

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.

**NATURAL SCIENCES (9 HOURS)**

College	Course #	Cr.	Grade
_____	3	_____	LIFE SCI _____

**SOCIAL SCIENCES (9 HOURS)**

College	Course #	Cr.	Grade
_____	_____	_____	BUSN/ECON _____
_____	_____	_____	ANTH/PLSC _____
_____	_____	_____	PSYC/SOCL _____

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

**MAJORS AND COGNATES**

_____	5	_____	MATH-210 Calc w Analytics I*	_____	1	_____	PHYS-205 Experimental Physics I
_____	4	_____	MATH-211 Calc w Analytics II	_____	1	_____	PHYS-206 Experimental Physics II
_____	4	_____	MATH-212 Calc w Analytics III	_____	4	_____	PHYS-211 Physics
_____	4	_____	MATH-260 Differential Equations	_____	4	_____	PHYS-212 Physics II
_____	3	_____	CHEM-113 Gen Chem I	_____	3	_____	PHYS-213 Intro to Modern Physics
_____	1	_____	CHEM-114 Gen Chem I Lab	_____	3	_____	PHYS-220 Statics
_____	3	_____	CHEM-123 Gen Chem II	_____	3	_____	PHYS-221 Dynamics
_____	1	_____	CHEM-124 Gen Chem II Lab	_____	3	_____	Physics elective - 300 level
_____	2	_____	ENGR-120 Engineering Graphics	_____	3	_____	Physics elective - 300 level
_____	2	_____	ENGR-121 Engineering Design	_____	3	_____	PHYS-340 Electricity and Magnetism I
_____	3	_____	CMSC-120 Prob Solv with Computers	_____	3	_____	PHYS-341 Electricity and Magnetism II
_____	_____	_____	_____	_____	_____	_____	Comprehensive Exam

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

All majors must submit a minimum of 31 hours in physics, with a grade of "C" or better, at the 200 level or above, with at least 12 hours at the 300 level. Majors must complete a comprehensive exam or equivalent.

