

BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS (Concentration: Engineering Physics) (2004-2005 Academic Year)

DATE _____

SEMESTER OF ENTRY _____

NAME: _____ PHONE: _____

BU ID# _____

Bring this checklist to your advising sessions each semester. Advisor: _____

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.

BASIC SKILLS (12 HOURS) Grade of "C" or better required.

College	Course #	Cr.	Grade	
_____	_____	_____	_____	Argumentative Writing (RHET-S101)
_____	_____	_____	_____	Research Writing (RHET-S102)
_____	_____	_____	_____	Basic Speech (RHET-S110)
_____	_____	_____	_____	Finite Math (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 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. Substitutions are not allowed after entry.

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)

_____	_____	3	_____	LIFE SCI _____
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remainder satisfied by Major

SOCIAL SCIENCES (9 HOURS)

_____	_____	_____	_____	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. 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
_____	_____	3	_____	CMSC-120 Prob Solv with Computers	_____	_____	3	_____	PHYS-340 Electricity and Magnetism I
_____	_____	_____	_____	_____	_____	_____	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.

