

BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS
(Concentration: Biological Physics)
(2005-2006 Academic Year)

NAME:		DATE:
BU ID #:	ADVISOR:	SEMESTER OF ENTRY:

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.

<p><u>BASIC SKILLS</u> (12 HOURS) Grade of "C" or better required.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>College</th> <th>Course #</th> <th>Cr.</th> <th>Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Argumentative Writing (RHET-S101)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Research Writing (RHET-S102)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Basic Speech (RHET-S110)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Finite Math (MATH-S105) or</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>College Algebra (MATH-S110)</td> </tr> </tbody> </table>	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)	<p><u>COMMON CORE</u> (12 HRS / 6 HRS FOR 20+ TRANSFERS)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>College</th> <th>Course #</th> <th>Cr.</th> <th>Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-101 1st Year Seminar</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-220, 230, or 240</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-220, 230, or 240</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-250 - required for all</td> </tr> </tbody> </table> <p>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.</p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	HUMN-101 1st Year Seminar	_____	_____	_____	_____	HUMN-220, 230, or 240	_____	_____	_____	_____	HUMN-220, 230, or 240	_____	_____	_____	_____	HUMN-250 - required for all
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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.

<p><u>ARTS AND HUMANITIES</u> (12 HOURS)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>College</th> <th>Course #</th> <th>Cr.</th> <th>Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>PHIL _____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>RELS _____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>FNAR/MUSI _____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>LITR/FRLGLITR _____</td> </tr> </tbody> </table> <p>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.</p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	PHIL _____	_____	_____	_____	_____	RELS _____	_____	_____	_____	_____	FNAR/MUSI _____	_____	_____	_____	_____	LITR/FRLGLITR _____	<p><u>NATURAL SCIENCES</u> (9 HOURS)</p> <p>Satisfied by major</p>
College	Course #	Cr.	Grade																							
_____	_____	_____	_____	PHIL _____																						
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<p><u>SOCIAL SCIENCES</u> (9 HOURS)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>College</th> <th>Course #</th> <th>Cr.</th> <th>Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>BUSN/ECON _____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>ANTH/PLSC _____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>PSYC/SOCL _____</td> </tr> </tbody> </table> <p>For transfers with 20+ hours: 3 courses from at least 2 areas of BUSN; ECON; ANTH; PLSC; PSYC; SOCL.</p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	BUSN/ECON _____	_____	_____	_____	_____	ANTH/PLSC _____	_____	_____	_____	_____	PSYC/SOCL _____
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_____	_____	_____	_____	PSYC/SOCL _____																

MAJORS AND COGNATES*

College	Course	Cr	Gr	College	Course	Cr	Gr	
		4			MATH-210 Calc w/ Analytics I**	1		PHYS-205 University Physics I Lab
		1			MATH-207 Calc w/ Analytics I Lab	1		PHYS-206 University Physics II Lab
		4			MATH-211 Calc w/ Analytics II	4		PHYS-211 University Physics I
		4			MATH-212 Calc w/ Analytics III	4		PHYS-212 University Physics II
		3			CHEM-113 General Chemistry I	3		PHYS-213 Intro to Modern Physics
		1			CHEM-114 General Chemistry I Lab	3		PHYS-310 Thermodynamics or PHYS 313 Physical Chemistry I
		3			CHEM-123 General Chemistry II	3		PHYS-315 Physical Chemistry II
		1			CHEM-124 General Chemistry II Lab	3		PHYS-323 Intro to Biophysics
		3			BIOL-108 Principles of Biology	1		PHYS-398 Research
		1			BIOL-109 Principles of Biology Lab	3		Elective (300 level)***
		3			BIOL-250 Genetics	3		Elective (300 level)***
		1			BIOL-251 Genetics Lab			Comprehensive Exam

*All courses must be completed with a grade of "C" or better.
**MATH-210 may be replaced by taking both MATH-170 and MATH-200.
***Six hours at the 300 level in any of BIOL, BCHM, CHEM, MATH or PHYS

