

BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS (Concentration: Biological Physics) (2007-2008 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>BASIC SKILLS (12 HOURS) Grade of "C" or better required.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">College</th> <th style="text-align: left;">Course #</th> <th style="text-align: left;">Cr.</th> <th style="text-align: left;">Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Writing Colloquium (RHET-S103)</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 College Algebra (MATH-S110)</td> </tr> </tbody> </table>	College	Course #	Cr.	Grade		_____	_____	_____	_____	Writing Colloquium (RHET-S103)	_____	_____	_____	_____	Research Writing (RHET-S102)	_____	_____	_____	_____	Basic Speech (RHET-S110)	_____	_____	_____	_____	Finite Math (MATH-S105) or College Algebra (MATH-S110)	<p>COMMON CORE (12 HRS / 6 HRS FOR 20+ TRANSFERS)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">College</th> <th style="text-align: left;">Course #</th> <th style="text-align: left;">Cr.</th> <th style="text-align: left;">Grade</th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-220 or 230 or 240</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-250-WI-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 two of 220, 230 or 240.</p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	HUMN-____	_____	_____	_____	_____	HUMN-____	_____	_____	_____	_____	HUMN-220 or 230 or 240	_____	_____	_____	_____	HUMN-250-WI-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]. Substitutions are not allowed after entry.

<p>ARTS AND HUMANITIES (12 HOURS)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">College</th> <th style="text-align: left;">Course #</th> <th style="text-align: left;">Cr.</th> <th style="text-align: left;">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>NATURAL SCIENCES (9 HOURS)</p> <p>Satisfied by major</p>
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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	1		PHYS-207 Modern Physics lab
		4			MATH-212 Calc w/ Analytics III	4		PHYS-211 University Physics I
		3			CHEM-113 General Chemistry I	4		PHYS-212 University Physics II
		1			CHEM-114 General Chemistry I Lab	3		PHYS-213 Modern Physics
		3			CHEM-123 General Chemistry II	3		PHYS-313 Classical Thermodynamics
		1			CHEM-124 General Chemistry II Lab	3		PHYS-315 Quantum and Statistical Mechanics
		3			BIOL-108 Principles of Biology	3		PHYS-323 Biophysics
		1			BIOL-109 Principles of Biology Lab	1		PHYS-398 Research
		3			BIOL-250 Genetics	3		Elective (200-300 level Physics)
		1			BIOL-251 Genetics Lab	3		Elective (300 level)***

*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

All majors must submit a minimum of 28 hours in physics at the 200 level or above, with at least 9 hours at the 300 level. Majors must complete a research project.

❖ One Writing Intensive course (indicated by a "WI" in the course schedule) must be completed within the major

