

**BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS**  
**(Concentration: Physics)**  
**Freshman Rules**  
**(2008-2009 Academic Year)**

<b>NAME:</b>		<b>DATE:</b>
<b>BU ID #:</b>	<b>ADVISOR:</b>	<b>SEMESTER OF ENTRY:</b>

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).

<p><b><u>BASIC SKILLS</u></b> (12 HOURS) Grade of "C" or better required.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>College</u></th> <th style="text-align: left;"><u>Course #</u></th> <th style="text-align: left;"><u>Cr.</u></th> <th style="text-align: left;"><u>Grade</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Writing Colloquium (WRIT-S101) (or HNRS 190: 1<sup>st</sup> Year Colloquium I)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Research Writing (WRIT-S102) (or HNRS 191: 1<sup>st</sup> Year Colloquium II)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Basic Speech (SPCH-S110) (or HNRS-191)</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> <p>•Freshmen with AP credit for WRIT-S101 must take WRIT-S104, Person in Community: One-Hour seminar</p>	<u>College</u>	<u>Course #</u>	<u>Cr.</u>	<u>Grade</u>		_____	_____	_____	_____	Writing Colloquium (WRIT-S101) (or HNRS 190: 1 <sup>st</sup> Year Colloquium I)	_____	_____	_____	_____	Research Writing (WRIT-S102) (or HNRS 191: 1 <sup>st</sup> Year Colloquium II)	_____	_____	_____	_____	Basic Speech (SPCH-S110) (or HNRS-191)	_____	_____	_____	_____	Finite Math (MATH-S105) or College Algebra (MATH-S110)	<p><b><u>COMMON CORE</u></b> (12 HOURS)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>College</u></th> <th style="text-align: left;"><u>Course #</u></th> <th style="text-align: left;"><u>Cr.</u></th> <th style="text-align: left;"><u>Grade</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>BU _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-220 Mediterranean World (or HNRS-220 Mediterranean World)</td> </tr> <tr> <td>BU _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-230 Baptism of Europe (or HNRS-230 Baptism of Europe)</td> </tr> <tr> <td>BU _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-240 Converging Hemispheres (or HNRS-320 Converging Hemispheres)</td> </tr> <tr> <td>BU _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-250-WI - required for all except scholars</td> </tr> </tbody> </table> <p>HUMN-220, 230, 240, 250 taken at Benedictine comprise the Cultural Heritage Series</p>	<u>College</u>	<u>Course #</u>	<u>Cr.</u>	<u>Grade</u>		BU _____	_____	_____	_____	HUMN-220 Mediterranean World (or HNRS-220 Mediterranean World)	BU _____	_____	_____	_____	HUMN-230 Baptism of Europe (or HNRS-230 Baptism of Europe)	BU _____	_____	_____	_____	HUMN-240 Converging Hemispheres (or HNRS-320 Converging Hemispheres)	BU _____	_____	_____	_____	HUMN-250-WI - required for all except scholars
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**CORE ELECTIVES**

Core Electives must be chosen from classes labeled with a "C" designation in the Catalog and Course Schedule. A list can also be found at: <http://www.ben.edu/core/electives.asp>.

**ARTS AND HUMANITIES (12 HOURS)**

_____	_____	_____	_____	PHIL ** _____
_____	_____	_____	_____	RELS _____
_____	_____	_____	_____	FNAR/MUSI (HNRS-294 for Scholars)
_____	_____	_____	_____	LITR/FRLGLITR _____

\*\*Scholars must pass a core approved ethics course.

**NATURAL SCIENCES (9 HOURS)**

\_\_\_\_\_ 3 \_\_\_\_\_ LIFE SC \_\_\_\_\_

Remainder satisfied by major

**SOCIAL SCIENCES (9 HOURS)**

_____	_____	_____	_____	BUSN/ECON _____
_____	_____	_____	_____	ANTH/PLSC (HNRS-393 for Scholars)
_____	_____	_____	_____	PSYC/SOCL _____

**MAJORS AND COGNATES\*❖**

College	Course	Cr	Gr	College	Course	Cr	Gr	
		4			MATH-210 Calc w/ Analytics I <sup>Ⓜ</sup>	1		PHYS-207 Modern Physics lab
		1			MATH-207 Calc w/ Analytics I Lab	4		PHYS-211 University Physics I
		4			MATH-211 Calc w/ Analytics II	4		PHYS-212 University Physics II
		4			MATH-212 Calc w/ Analytics III	3		PHYS-213 Modern Physics
		4			MATH-260 Differential Equations	3		Physics-220 Analytic Mechanics
		3			CHEM-113 Gen Chem I	3		Physics-264 Electronics
		1			CHEM-114 Gen Chem lab I <sup>Ⓝ</sup>	3		PHYS-313 Classical Thermodynamics
		3			CHEM-123 Gen Chem II	3		PHYS-315 Quantum & Statistical Mechanics
		1			CHEM-124 Gen Chem II lab <sup>Ⓝ</sup>	3		PHYS-340 Electricity and Magnetism
		4			CMSC-180/181 Intro to Computer Science	2		Physics Elective (200-300 level)
		1			PHYS-205 University Physics I Lab	2		PHYS-398 Research
		1			PHYS-206 University Physics II Lab	3		Physics Elective (300 level) <sup>Ⓞ</sup>

\*All major and cognate courses must be completed with a grade of "C" or better.

<sup>Ⓜ</sup> MATH-210 may be replaced by taking both MATH-170 and MATH-200

<sup>Ⓝ</sup> or CHEM-115 and CHEM-125 or NTSC-151 and NTSC-152

<sup>Ⓞ</sup> may substitute MATH-361 or CMSC-350

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