

BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in PHYSICS
(Concentration: Physics)
Freshman Rules
(2011-2012 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).

<p><u>BASIC SKILLS</u> (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 (WRIT-S101)* (or HNRS 190: 1st Year Colloquium I)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>Research Writing (WRIT-S102) (or HNRS 191: 1st 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>	College	Course #	Cr.	Grade		_____	_____	___	_____	Writing Colloquium (WRIT-S101)* (or HNRS 190: 1 st Year Colloquium I)	_____	_____	___	_____	Research Writing (WRIT-S102) (or HNRS 191: 1 st Year Colloquium II)	_____	_____	___	_____	Basic Speech (SPCH-S110) (or HNRS-191)	_____	_____	___	_____	Finite Math (MATH-S105) or College Algebra (MATH-S110)	<p><u>COMMON CORE</u> (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>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 (or HNRS-393 Global Interdependence)</td> </tr> </tbody> </table> <p>HUMN-220, 230, 240, 250 taken at Benedictine comprise the Cultural Heritage Series</p>	College	Course #	Cr.	Grade		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 (or HNRS-393 Global Interdependence)
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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>.

★ Students accepted to the scholars program must take specific courses to satisfy these categories.

<p><u>ARTS AND HUMANITIES</u> (12 HOURS)</p> <table style="width: 100%; border-collapse: collapse;"> <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/THEO _____</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>	_____	_____	___	_____	PHIL ★ _____	_____	_____	___	_____	RELS/THEO _____	_____	_____	___	_____	FNAR/MUSI ★ _____	_____	_____	___	_____	LITR/FRLGLITR _____	<p><u>NATURAL SCIENCES</u> (9 HOURS)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>LIFE SC _____</td> </tr> </tbody> </table> <p>Remainder satisfied by major</p>	_____	_____	___	_____	LIFE SC _____
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SOCIAL SCIENCES (9 HOURS)

_____	_____	___	_____	BUSN/ECON ★ _____
_____	_____	___	_____	ANTH/PLSC ★ _____
_____	_____	___	_____	PSYC/SOCL _____

MAJORS AND COGNATES*❖

College	Course	Cr	Gr	College	Course	Cr	Gr
		4				1	
	MATH-210 Calc w/ Analytics I②				PHYS-207 Modern Physics lab		
		1			PHYS-211 University Physics I	4	
	MATH-207 Calc w/ Analytics I Lab				PHYS-212 University Physics II	4	
		4			PHYS-213 Modern Physics	3	
	MATH-211 Calc w/ Analytics II				Physics-220 Analytic Mechanics	3	
		4			Physics-264 Electronics	3	
	MATH-212 Calc w/ Analytics III				PHYS-313 Classical Thermodynamics	3	
	MATH-260 Differential Equations				PHYS-315 Quantum & Statistical Mechanics	3	
	CHEM-113 Gen Chem I				PHYS-340 Electricity and Magnetism	3	
		3			Physics Elective (200-300 level)	2	
	CHEM-114 Gen Chem lab I③				PHYS-398 Research	2	
		1			Physics Elective (300 level) ④	3	
	CHEM-123 Gen Chem II						
		3					
	CHEM-124 Gen Chem II lab③						
		1					
	CMSC-180/181 Intro to Computer Science						
		4					
	PHYS-205 University Physics I Lab						
		1					
	PHYS-206 University Physics II Lab						
		1					

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

② MATH-210 may be replaced by taking both MATH-170 and MATH-200

③ or CHEM-115 and CHEM-125 or NTSC-151 and NTSC-152

④ 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