

**BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in  
BIOCHEMISTRY/MOLECULAR BIOLOGY  
Freshman Rules  
(2011-2012 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> (12 HOURS) Grade of "C" or better required.</b></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: 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>College Algebra (MATH-S110)</td> </tr> </tbody> </table> <p><b>*Freshmen with AP credit for WRIT-S101 must take WRIT-S104, Person in Community: One-Hour seminar</b></p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	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)	_____	_____	_____	_____	College Algebra (MATH-S110)	<p><b><u>COMMON CORE</u> (12 HOURS)</b></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 <u>taken at Benedictine</u> 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><b><u>ARTS AND HUMANITIES</u> (12 HOURS)</b></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><b><u>NATURAL SCIENCES</u> (9 HOURS)</b></p> <p><u>Satisfied by Major</u></p>
_____	_____	_____	_____	PHIL ★ _____																	
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_____	_____	_____	_____	FNAR/MUSI ★ _____																	
_____	_____	_____	_____	LITR/FRLGLITR _____																	

**SOCIAL SCIENCES (9 HOURS)**

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

**MAJORS AND COGNATES❖**

College	Course	Cr	Gr	College	Course	Cr	Gr
		1				1.5	
	MATH-207 Biocalculus I Lab**						NTSC-151 Nat Sci Lab I*
		1				1.5	
	MATH-208 Biocalculus II Lab#						NTSC-152 Nat Sci Lab II*
		4				3	
	MATH-220 Biocalculus I**						BIOL-197 Prin or Organismal Biology
		3				3	
	MATH-221 Biocalculus II#						BIOL-198 Principles of Biology
		3				3	
	CHEM-113 Gen Chem I						BIOL-250 Genetics
		3				1	
	CHEM-123 Gen Chem II						BIOL-260 Recomb DNA Lab
		4				3	
	CHEM-235 Chemical Analysis I						BIOL-340 Cell Biology
		3				1	
	CHEM-242 Org Chem I						BIOL-342 Cell Biology Lab
		1				3	
	CHEM-244 Org Chem I Lab (or 243)						BIOL-371 Molecular Biology
		3				2	
	CHEM-247 Org Chem II						BIOL-372 Genom & Bioinform
		1				3	
	CHEM-249 Org Chem II Lab (or 248)						BCHM-361 Biochemistry
		4				3	
	PHYS-211 Physics I						BCHM-365 Intern Metabolism
		1				1	
	PHYS-205 Experimental Physics I						BCHM-362 Protein Lab
		4				3	
	PHYS-212 Physics II						Science Elective***
		1				3	
	PHYS-206 Experimental Physics II						Research****
		4					
	PHYS-323 Biophysics						

All majors must submit at least 76 hours in major and cognate courses [with a grade of "C" or better], of which 52 hours are at the 200 level or above, including at least 20 hours at the 300 level.

\*NTSC-151 and NTSC-152 will be considered satisfied if CHEM-114, CHEM-124 and BIOL-199 have already been completed.

\*\* MATH-207 and MATH-220 may be replaced by taking MATH-170, MATH-171 and MATH-200 or MATH-210 and MATH-207 with permissions from program head.

\*\*\*Elective must be a 200 or 300 level class in BCHM, BIOL, CHEM, CMSC, MATH, or PHYS excluding research, teaching, and internship classes.

\*\*\*\*At least 3 hours of research credit (or summer experience) in BCHM, BIOL, CHEM, CMSC, MATH, and/or PHYS is required.

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

# MATH 211 may substitute for the Biocalculus II Lecture and lab with permission from the program head.