

**BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in  
BIOCHEMISTRY/MOLECULAR BIOLOGY  
(2005-2006 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) of which 45 semester hours, including twelve 200+ level semester credit hours in their major field, must be from Benedictine University.

<p><b>BASIC SKILLS (12 HOURS)</b> 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>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) <b>or</b></td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>College Algebra (MATH-S110) <b>or</b></td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>Quantitative Reasoning (MATH-S108)</td> </tr> </tbody> </table>	College	Course #	Cr.	Grade		_____	_____	_____	_____	Argumentative Writing (RHET-S101)	_____	_____	_____	_____	Research Writing (RHET-S102)	_____	_____	_____	_____	Basic Speech (RHET-S110)	_____	_____	_____	_____	Finite Math (MATH-S105) <b>or</b>	_____	_____	_____	_____	College Algebra (MATH-S110) <b>or</b>	_____	_____	_____	_____	Quantitative Reasoning (MATH-S108)	<p><b>COMMON CORE (12 HRS / 6 HRS FOR 20+ TRANSFERS)</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>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 <u>taken at Benedictine</u> 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><b>ARTS AND HUMANITIES (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>_____</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><b>NATURAL SCIENCES (9 HOURS)</b></p> <p><u>Satisfied by Major</u></p>
College	Course #	Cr.	Grade																							
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<p><b>SOCIAL SCIENCES (9 HOURS)</b></p> <table style="width: 100%; border-collapse: collapse;"> <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>	_____	_____	_____	_____	BUSN/ECON _____	_____	_____	_____	_____	ANTH/PLSC _____	_____	_____	_____	_____	PSYC/SOCL _____
_____	_____	_____	_____	BUSN/ECON _____											
_____	_____	_____	_____	ANTH/PLSC _____											
_____	_____	_____	_____	PSYC/SOCL _____											

**MAJORS AND COGNATES**

College	Course	Cr	Gr	College	Course	Cr	Gr	
		1			MATH-207 Biocalculus I Lab**	1.5		NTSC-151 Nat Sci Lab I
		1			MATH-208 Biocalculus II Lab	1.5		NTSC-152 Nat Sci Lab II
		4			MATH-220 Biocalculus I**	3		BIOL-108 Prin of Biology
		3			MATH-221 Biocalculus II	3		BIOL-250 Genetics
		3			CHEM-113 Gen Chem I	1		BIOL-251 Genetics Lab
		3			CHEM-123 Gen Chem II	3		BIOL-340 Cell Biology
		3			CHEM-242 Org Chem I	1		BIOL-342 Cell Biology Lab
		1			CHEM-244 Org Chem I Lab	3		BIOL-371 Molecular Biology
		3			CHEM-247 Org Chem II	2		BIOL-372 Genom & Bioinform
		1			CHEM-249 Org Chem II Lab	3		BCHM-361 Biochemistry
		4			PHYS-211 Physics I	3		BCHM-365 Intern Metabolism
		1			PHYS-205 Experimental Physics I	1		BIOL-260 Recomb DNA Lab
		4			PHYS-212 Physics II	1		BCHM-362 Protein Lab
		1			PHYS-206 Experimental Physics II	3		Science Elective***
		3			PHYS-323 Intro Biophysics	3		Science Elective***
		1			PHYS-324 Comp Biophys Lab	3		Research****

\* All majors must submit at least 73 hours in major and cognate courses [with a grade of "C" or better], of which 62 hours are at the 200 level or above, including 23 hours at the 300 level.

\*\* MATH-207 and MATH-220 may be replaced by taking MATH-170, MATH-171 and MATH-200

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

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

