

# BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in CHEMISTRY (Concentration: Chemistry) (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> <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>3</td> <td>_____</td> <td>LIFE SC _____</td> </tr> </tbody> </table> <p>(includes BIOL, BCHM, NRHL, NUTR)</p> <p><u>Remainder satisfied by major</u></p>	College	Course #	Cr.	Grade		_____	_____	3	_____	LIFE SC _____
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_____	_____	_____	_____	ANTH/PLSC _____																
_____	_____	_____	_____	PSYC/SOCL _____																

## MAJORS AND COGNATES

College	Course	Cr	Gr	College	Course	Cr	Gr
		1				3	
	MATH-207 Calc I Lab						CHEM-242 Org Chem
		4				1	
	MATH-210 Calc w/ Analytics I*						CHEM-244 Org Chem I Lab
		4				3	
	MATH-211 Calc w/ Analytics II						CHEM-247 Org Chem II
		4				1	
	MATH-212 Calc w/ Analytics III						CHEM-249 Org Chem II Lab
		3				2	
	MATH Elective**						CHEM-272 Spec Interpret
		4				3	
	PHYS-211 Physics I****						CHEM-313 Phys Chem I
		1				1	
	PHYS-205 Exptl Phys I****						CHEM-314 Phys Chem I Lab
		4				3	
	PHYS-212 Physics II****						CHEM-315 Phys Chem II
		1				1	
	PHYS-206 Exptl Phys****						CHEM-316 Phys Chem II Lab
		3				3	
	CHEM-113 Gen Chem I						CHEM-320 Inorg Chem
		1				1	
	CHEM-115 Gen Chem I Lab						CHEM-321 Inorg Syn Lab
		3				1	
	CHEM-123 Gen Chem II						CHEM-392 Sem Chem Lit
		1				2	
	CHEM-125 Gen Chem II Lab						CHEM-398 Chem Research I
		4				2	
	CHEM-235 Chem Anal I						CHEM-399 Chem Research II
		4				3	
	CHEM-236 Chem Anal II						CHEM Elective***
						3	
							CHEM Elective***

All majors must submit at least 49 hours in Chemistry [with a grade of "C" or better], of which 41 hours are at the 200 level or above, including 23 hours at the 300 level

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

\*\*MATH-260 is recommended but any 3 (or 4) hour 200 or 300 level MATH class will satisfy the requirement.

\*\*\*From CHEM-335, 340, 357, 381, or BCHM 361. In order to earn an ACS certified degree, BCHM-361 must be chosen as one of the electives.

\*\*\*\*Or PHYS 113, 114, 118, and 119.

