

# BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in CHEMISTRY MINOR IN EDUCATION with Secondary Teacher Certification, 6-12 (2009-2010 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) 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)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>Research Writing (WRIT-S102)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>Basic Speech (SPCH-S110)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>College Algebra (MATH-S110)</td> </tr> </tbody> </table>	College	Course #	Cr.	Grade		_____	_____	___	_____	Writing Colloquium (WRIT-S101)	_____	_____	___	_____	Research Writing (WRIT-S102)	_____	_____	___	_____	Basic Speech (SPCH-S110)	_____	_____	___	_____	College Algebra (MATH-S110)	<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-____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>HUMN-____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>___</td> <td>_____</td> <td>HUMN-250-WI-required for all American History</td> </tr> <tr> <td colspan="5">HUMN-220 - 250 taken at Benedictine comprise the Cultural Heritage Series.</td> </tr> <tr> <td colspan="5">Transfers with 20+ hours are exempt from two of 220, 230 or 240.</td> </tr> </tbody> </table>	College	Course #	Cr.	Grade		_____	_____	___	_____	HUMN-____	_____	_____	___	_____	HUMN-____	_____	_____	___	_____	HUMN-250-WI-required for all American History	HUMN-220 - 250 taken at Benedictine comprise the Cultural Heritage Series.					Transfers with 20+ hours are exempt from two of 220, 230 or 240.				
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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]. A list can also be found at: <http://www.ben.edu/core/electives.asp>. Substitutions are not allowed after entry.

<p><b>ARTS AND HUMANITIES (12 HOURS)</b></p> <p>_____ Satisfied by major PHIL _____</p> <p>_____ RELS/THEO _____</p> <p>_____ FNAR/MUSI _____</p> <p>_____ LITR _____</p> <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; THEO. (LITR must be included to satisfy ENG requirement for teacher certification.)</p>	<p><b>NATURAL SCIENCES (9 HOURS)</b></p> <p>_____ Satisfied by major _____</p>
<p><b>MULTI-CULTURAL/NON-WESTERN CULTURAL REQUIREMENT</b>Ⓞ</p> <p>Teaching certification candidates must take a multi-cultural/ non-western culture course that may apply to one of the Humanities or Social Science requirements.</p> <p>_____</p>	<p><b>SOCIAL SCIENCES (9 HOURS)</b></p> <p>_____ ECON _____</p> <p>_____ PLSC 102 American Government</p> <p>_____ EDUC-210/PSYC-241 Educational PsychologyⓁⓂ</p> <p>For transfers with 20+ hours: 3 courses from at least 2 areas of ECON; ANTH; PLSC; PSYC; SOCL.</p>

## MAJORS AND COGNATES❖

College	Course	Cr	Gr	College	Course	Cr	Gr
		4				4	
	MATH-210 Calc w/ Analytics I*				CHEM-235 Chem Anal I		
		1				4	
	MATH-207 Calc W/ Analytics I Lab				CHEM-236 Chem Anal II		
		4				3	
	MATH-211 Calc w/ Analytics II				CHEM-242 Org Chem		
		4				1	
	MATH-212 Calc w/ Analytics III				CHEM-244 Org Chem I Lab		
		3				3	
	PHYS-113 Gen Physics I**				CHEM-247 Org Chem II		
		1				1	
	PHYS-114 Gen Phys Lab I**				CHEM-249 Org Chem II Lab		
		3				3	
	PHYS-118 Gen Physics II**				CHEM-313 Classical Thermodynamics		
		1				1	
	PHYS-119 Gen Physics Lab II**				CHEM-314 Phys Chem I Lab		
		3				3	
	BCHM 261 Principles of Biochemistry				CHEM-315 Quantum and Statistical Mechanics		
		3				1	
	CHEM-113 Gen Chem I				CHEM-316 Phys Chem II Lab		
		1				3	
	CHEM-115 Gen Chem I Lab***				CHEM-320 Inorganic Chem		
		3				3	
	CHEM-123 Gen Chem II				NTSC-111 Contemporary Biology		
		1				4	
	CHEM-125 Gen Chem II Lab***				PHYS-107 Earth & Space Science		
						3	
					PHIL-290 Philosophy of Science		

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

\*MATH-210 may be replaced by taking MATH-170, 171 and MATH-200.

\*\*Substitute PHYS-205, 206, 211, 212 if physics is the second field.

\*\*\*Or CHEM-114 and CHEM-124 or NTSC-151 and NTSC-152.

Ⓛ Education majors/minors must have a grade of "C" or better in EDUC-210/PSYC-241 and the multicultural requirement course.

Ⓜ The credit for Educational Psychology does not apply toward a middle-grades endorsement in social science.

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

Students who do not complete the Education minor/Education departmental requirements will not receive a degree in Chemistry. Additional courses are required.

**A cumulative 2.5 GPA is needed for teacher certification: overall, in major, and in professional education courses. [GPA is based on Benedictine University courses only]**

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MINOR IN EDUCATION with Secondary Teacher Certification, 6-12  
(2009-2010 Academic Year)**

MINOR/TEACHER CERTIFICATION REQUIREMENTS				ELECTIVES			
College	Course	Cr	Gr	College	Course	Cr	Gr
		1					
		3					
		3					
		3					
		3					
		3					
		0					
		3					
		0					
		12					
		2					
		0					

EDUC-206 Transfer Introduction to Education Seminar (TIES) is required for students who have been awarded transfer credit for EDUC 205, History and Philosophy of Education.\*

Notes: \_\_\_\_\_

Highest Level Math Completed [if appropriate]: \_\_\_\_\_

**TOTALS:**

	Hours completed	Hours Remaining
Basic Skills		
Common Core		
Arts & Humanities		
Natural Sciences		
Social Sciences		
Major	*	*
Electives	*	*
TOTAL		*

The following semester hours will be posted on your transcript:


\* Please speak with your departmental advisor regarding further evaluation of major credits and remaining major requirements.

**RESIDENCY REQUIREMENTS: Please note the checked boxes that apply to you:**

- A minimum total of 120 semester credit hours are required for graduation (with a minimum cumulative G.P.A. of 2.0 from Benedictine University)
- 55 semester hours at the Baccalaureate level must be completed at a four-year regionally accredited college/university.
- At least twelve 200+ level semester credit hours in the major field must be from Benedictine University.
- 45 semester credit hours must be completed at Benedictine University.
- At least 30 of your final 45 semester credit hours must be completed at Benedictine University.
- At least the last 30 credit hours of your undergraduate degree must be completed without interruption at Benedictine University as a degree seeking student.

**Special Notes:**

1. Hours in progress are not included in the totals of this evaluation. Additional hours will be credited upon receipt of credentials.
2. Grades of "D" will not be applied towards major or Basic Skills requirements or toward some other courses as stated in the university catalog.
3. Double credit will not be given for repeated courses.
4. Only courses taken at Benedictine University will be included in the grade point average.
5. This checklist is applicable for the major indicated. If a different major is chosen, the requirements for both the major and core will vary.
- 6a. To be considered for Latin graduation hours, you must complete 55 undergraduate semester hours at Benedictine University.
- 6b. Students who complete 30 to 54 hours with a 3.5 cumulative grade point average at Benedictine University will graduate "with Honors".
7. Courses taken at Benedictine University may be repeated only at Benedictine University.
8. Equivalent transfer courses, if taken prior to admission, may meet core requirements. Any course taken to fulfill core requirements after admission to Benedictine must be a core elective course (labeled with a "C" in the Catalog or course schedule) or an IAI core course. Written permission is required for current Benedictine students to transfer in courses from other schools. See your advisor.

\_\_\_\_\_  
Date    Transfer Credit Evaluation and Articulation    Department Chair