

# BENEDICTINE UNIVERSITY CHECKLIST FOR BACHELOR OF SCIENCE in MATHEMATICS ACTUARIAL SCIENCE CONCENTRATION (2006-2007 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><u>BASIC SKILLS</u></b> (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 (RHET-S103)</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>Satisfied by Major</td> <td>_____</td> <td>_____</td> <td>Finite Math (MATH-S105) or College Algebra (MATH-S110)</td> </tr> </tbody> </table>	College	Course #	Cr.	Grade		_____	_____	_____	_____	Writing Colloquium (RHET-S103)	_____	_____	_____	_____	Research Writing (RHET-S102)	_____	_____	_____	_____	Basic Speech (RHET-S110)	_____	Satisfied by Major	_____	_____	Finite Math (MATH-S105) or College Algebra (MATH-S110)	<p><b><u>COMMON CORE</u></b> (12 HRS / 6 HRS FOR 20+ TRANSFERS)</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-220 or 230 or 240</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>HUMN-250-WI-required for all</td> </tr> </tbody> </table> <p>HUMN-220, 230, 240, 250 taken at Benedictine comprise the Cultural Heritage Series. Transfers with 20+ hours are exempt from two of 220, 230 or 240.</p>	College	Course #	Cr.	Grade		_____	_____	_____	_____	HUMN-____	_____	_____	_____	_____	HUMN-____	_____	_____	_____	_____	HUMN-220 or 230 or 240	_____	_____	_____	_____	HUMN-250-WI-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><u>ARTS AND HUMANITIES</u></b> (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 _____</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>	_____	_____	_____	_____	PHIL _____	_____	_____	_____	_____	RELS _____	_____	_____	_____	_____	FNAR/MUSI _____	_____	_____	_____	_____	LITR/FRLGLITR _____	<p><b><u>NATURAL SCIENCES</u></b> (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> <tr> <td colspan="5" style="text-align: center;">(includes BIOL, BCHM, NRHL, NUTR)</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>PHYSICAL SC _____</td> </tr> <tr> <td colspan="5" style="text-align: center;">(includes CHEM, PHYS)</td> </tr> <tr> <td colspan="5" style="text-align: center;">Satisfied by major _____</td> </tr> </tbody> </table> <p>If LIFE SCI &amp; PHYS SCI total 9 hours, requirement is satisfied.</p>	_____	_____	_____	_____	LIFE SC _____	(includes BIOL, BCHM, NRHL, NUTR)					_____	_____	_____	_____	PHYSICAL SC _____	(includes CHEM, PHYS)					Satisfied by major _____				
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<b><u>SOCIAL SCIENCES</u></b> (9 HOURS)	
_____ Satisfied by major _____	_____ BUSN/ECON _____
_____ _____ _____	_____ ANTH/PLSC _____
_____ _____ _____	_____ PSYC/SOCL _____
For transfers with 20+ hours: 3 courses from at least 2 areas of BUSN; ECON; ANTH; PLSC; PSYC; SOCL.	

## **MAJORS AND COGNATES** ❖

College	Course	Cr	Gr	College	Course	Cr	Gr		
		4		MATH-210	Calc w/ Analytics I*	3		MATH-341	Real Analysis I
		1		MATH-207	Calc w/ Analytics I Lab	3		MATH-370	Theory of Interest
		4		MATH-211	Calc w/ Analytics II	3		MATH-371	Probability & Statistics I
		4		MATH-212	Calc w/ Analytics III	3		MATH-373 (WI)	Probability & Statistics II
		4		MATH-260 (WI)	Differential Equations	3		MATH	Elective (200-300 level)
		3		MATH-300	Linear Algebra	3		ECON 101	Macro or 102 Micro
		3		MATH-331	Abstract Algebra I				Comprehensive Exam

All majors must submit at least 37 hours from mathematics courses [with a grade of "C" or better] at the 200 level or above, including 15 hours at the 300 level.

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

Seniors are required to pass an externally administered examination at a proficiency level set by the department.

A minor is strongly encouraged from one of the following areas: accounting, business and economics, economics, finance, international business and economics, management and organizational behavior, or marketing

❖ One Writing Intensive course (indicated by a "WI" in the course schedule) must be completed within the major. MATH-260, 310 and 373 are designated Writing Intensive courses.

