

# MATHEMATICS (BA) CHECKLIST

This checklist is provided for student use only. It does not represent an official documentation of a student's progress towards completion of their degree program. The Math program requires a minimum of 120 credit hours to complete. Students must have a minimum grade of C in all Math course work taken, and a minimum 2.0 GPA in all course work taken in order to graduate. Students must complete at least 45 credit hours of courses numbered 300+. Students must complete an Exit Interview prior to graduation.

## MATH CORE COURSES – All courses in this section must be completed.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	MATH 135 Calculus I	4	MATH105 or score 10 on Calc. Readiness Exam
	MATH 136 Calculus II	4	MATH135
	MATH 215 Discrete Mathematics	3	MATH135
	MATH 235 Calculus III	4	MATH136
	MATH 310 Statistics for the Sciences <b>OR</b> MATH 381 Intro. to Probability & Statistics	3	MATH135 MATH235
	MATH 313 Intro. to Linear Algebra	3	MATH135
	MATH 340 Intro. to Differential Equations	3	MATH235
	MATH 414 Modern Algebra I (fall only)	3	MATH215, MATH313; one of MATH311, 350 or 351 are strongly recommended
	MATH 431 Modern Analysis (fall only)	3	MATH235, MATH215; MATH341 recommended
	MATH 448 Mathematical Modeling <b>OR</b> MATH 485 Stochastic Modeling (spring only)	3	MATH313, MATH340, MATH310 or 381 MATH 381 or ECE 3610
	<b>TOTAL</b>	<b>33</b>	

## MATH ELECTIVES – Complete 9 credit hours of MATH courses numbered 310 and above.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	<b>TOTAL</b>	<b>9</b>	

## WRITING SKILLS – All courses in this section must be completed. If you do not place in to ENGL 131 you need to take ENGL 099 as a prerequisite.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	ENGL 131 Rhetoric & Writing I	3	Score of 19+ on ACT English or 450+ on SAT Verbal
	ENGL 141 Rhetoric & Writing II	3	ENGL131 or score of 29+ on ACT English or 650+ on SAT Verbal
	Writing Competency Portfolio	N/A	Complete 1 year prior to expected graduation
	<b>TOTAL</b>	<b>6</b>	

## HUMANITIES ELECTIVES – Complete 12 credit hours of Humanities courses. An HUM course numbered 3XX, and either PHIL 344 or 443 must be completed. The other 6 credit hours should be completed from the Humanities list from the LAS section of the Course Bulletin.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	PHIL 344 Symbolic Logic (spring only) <b>OR</b> PHIL 443 Logical Theory	3	None for PHIL344 PHIL344 for PHIL443
	HUM 3XX	3	See Bulletin for specific course prerequisites
	<b>TOTAL</b>	<b>12</b>	

