

MATHEMATICS (BA) SECONDARY TEACHING OPTION 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. If you have questions about this sheet please contact the Student Success Center at (719) 255-3260.

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 3000+. Students opting for the Secondary Teaching Option should attend a Group Advising Session with College of Education (contact 255-4121 for a list of days and times) prior to the end of their freshman year. 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 1350 Calculus I	4	MATH1050 or score 10 on Calc. Readiness Exam
	MATH 1360 Calculus II	4	MATH1350
	MATH 2150 Discrete Mathematics	3	MATH1350
	MATH 2350 Calculus III	4	MATH13600
	MATH 3100 Statistics for the Sciences OR MATH 3810 Intro. to Probability & Statistics	3	MATH1350 MATH2350
	MATH 3110 Theory of Numbers	3	MATH1360, MATH2150
	MATH 3130 Intro. to Linear Algebra	3	MATH1350
	MATH 3400 Intro. to Differential Equations	3	MATH2350
	MATH 4140 Modern Algebra	3	
	MATH 4210 Higher Geometry	3	MATH3110 or 3130
	MATH 4310 Modern Analysis	3	MATH2350, MATH2150; MATH3410 recommended
	MATH 4480 Mathematical Modeling or 4850	3	MATH3130, MATH3400, MATH3100 or 3810
	TOTAL	39	

MATH ELECTIVES – Complete 6 credit hours of MATH courses numbered 310 and above.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	TOTAL	3	

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 1310 Rhetoric & Writing I	3	Score of 19+ on ACT English or 450+ on SAT Verbal
	ENGL 1410 Rhetoric & Writing II	3	ENGL1310 or score of 29+ on ACT English or 650+ on SAT Verbal
	Writing Competency Portfolio	N/A	Complete 1 year prior to expected graduation
	TOTAL	6	

HUMANITIES ELECTIVES – Complete 12 credit hours of Humanities courses. An HUM course numbered 3XX, either PHIL 344 or 443 and either PHIL 100 or 102 must be completed. The other 3 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 3440 Symbolic Logic OR PHIL 4430 Logical Theory	3	None for PHIL3440 PHIL3440 for PHIL4430
	HUM 3XXX	3	See Bulletin for specific course prerequisites
	PHIL 1000 Intro. to Philosophy OR PHIL 1020 Ethics OR PHIL 1120 Critical Thinking	3	None
	TOTAL	12	

SOCIAL SCIENCE ELECTIVES – Complete 12 credit hours of Social Science courses. PSY 100 must be taken as one of the Social Science courses. Complete the remaining 8 credit hours from the Social Science list from the LAS section of the Course Bulletin.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	PSY 1000 General Psychology	3	None
	TOTAL	12	

NATURAL SCIENCE ELECTIVES – Complete 12 credit hours of Natural Science courses from the Natural Science list from the LAS section of the Course Bulletin. Please note that students can also complete PES111, 112, 115 & 215 in addition to the approved list.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	TOTAL	12	

EDUCATION COURSES – Complete 37-40 hours of Education Courses. Education Courses will be dictated by the College of Education. Students should attend a Group Advising Session (contact 255-4121 for a list of days and times), prior to the end of their freshman year to find out exactly which courses to take and the process for being admitted to the Teacher Education Program.

<input checked="" type="checkbox"/>	COURSE NUMBER & TITLE	HRS	PREREQUISITES/COREQUISITES
	UTED 1010 Inquiry Approaches Teaching	1	None
	UTED 1020 Inquiry-Based Lesson Design	1	None
	UTED 2010 Knowing and Learning in Math and Scienc	3	UTED 1010 and 1020
	UTED 2020 Classroom Interactions	3	
	UTED 2030 Project Based Instruction	3	
	UTLS 2040 Functions and Modeling	3	
	UTLS 3020 Research Methods	3	
	UTLS 3030 Perspectives on Science and Mathematics	3	
	UTED 4720 Teaching Reading/Writing in Content Area	3	Acceptance to 2 nd Tier
	UTED 4730 Apprentice Teaching	6	Acceptance to 2 nd Tier, pass Praxis II test
	UTED 4731 Apprentice Teaching Seminar	1	
	TOTAL	30	

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