

Curriculum Map – Mathematics Major: Actuarial Track

NOTE: This curriculum map assumes that you have not transferred in any previously completed college level courses. Further, it assumes that you have met all of the prerequisites for the courses listed below. The prerequisite for MATH 175: Calculus I is a Math ACT subscore of 27 or Calculus KYOTE score of 15.

All students must have 36 hours of general education courses which include:

FYS – First Year Seminar	ENG 100 – Core Writing I
COMS 108 – Fund. Of Speech Communication	ENG 200 – Core Writing II
MATH 131, 135, 152, 174 or 175 - CORE Math	Capstone

One 3 credit hour course from each of the following categories:

HUM I SBS I NSC I SBS II NSC II

The approved course list may be accessed on the General Education site (log into MyMoreheadState and then open the “Academics” tab).

FIRST YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits	
	MATH 170: Intro to Comp. Sci.	R	4			ENG 200: Writing II	G	3	
	ENG 100: Writing I	G	3			HUM I	G	3	
	MATH 175: Calculus I	G	4			MATH 275: Calculus II	R	4	
	FYS 101: First Year Seminar	G	3			COMS 108: Fundamentals of Speech	G	3	
						NSC I	G	3	
			Total Credit Hours	14				Total Credit Hours	16

SECOND YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits	
	MATH 276: Calculus III	R	4			MATH 301: Elementary Linear Algebra	R/U	3	
	MATH 300: Intro.to Math. Proofs	R/U	3			ACCT 281: Principles of Financial Acct.	R	3	
	SBS I	G	3			MATH 295: Math. Comm. II	R	1	
	SBS II	G	3			UTCH 250 (Hum II exchange)	G	3	
	NSC II	G	3			ECON 201: Principles of Macroeconomics	R	3	
	MATH 195: Math. Comm. I	R	1			Minor	R	3	
			Total Credit Hours	17				Total Credit Hours	16

THIRD YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits	
	ACCT 282: Princ. of Manag. Acct.	R	3			FIN 360: Business Finance	R/U	3	
	MATH 308: Discrete Mathematics	R/U	3			MATH 365: Introduction to Math. Stats	R/U	3	
	MATH 345: Probability for Actuaries I	R/U	3			Minor	R	3	
	Minor	R	3			Minor	R	3	
	ECON 202: Principles of Microeconomics	R	3			MATH 346: Probability for Actuaries II	R/U	3	
			Total Credit Hours	15				Total Credit Hours	15

FOURTH YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits	
	Minor	R/U	3			Free Elective	E	3	
	MATH 315: Functions and Modeling	R/U	3			Minor	R/U	3	
	Minor	R/U	3			MATH 340: Financial Math for Actuaries	R/U	3	
	FIN 373: Investments	R/U	3			Free Elective	E	3	
	MATH 499C: Senior Thesis I	G/U	2			MATH 499D: Senior Thesis II	G/U	1	
			Total Credit Hours	14				Total Credit Hours	13

(E) Elective,
(P) Pre-requisite

(G) General Education Course
(R) Required Course

(S) Supplemental
(U) Upper Division Course 300-400 level (you must have 42 hours)