

**College of Basic and Applied Sciences  
Upper Division Form 2016-2017 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_

Major ACTUARIAL SCIENCE Minor \_\_\_\_\_ (Optional)

Concentration \_\_\_\_\_ E-mail \_\_\_\_\_

**Instructions: For students graduating in Fall 2015 or later. One (1) copy signed by major and minor advisors should be filed in KUC 322 three semesters before anticipated graduation. The Intent to Graduate form should also be filed in KUC 322 at the time of Upper Division Form submission.**

General Education	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010			Must earn a grade of C- or better	3
	ENGL 1020			Must earn a grade of C- or better	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, HUM 2610. Choose two (different rubrics): ANTH 2210, ART 1030 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours)	MATH 1910			Must first have MATH 1730 (Pre-Calculus) with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better. Also considered part of the major.	3 of 4
NATURAL SCIENCES (8 hours) Choose two (different rubrics): ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PHYS 1110, PHYS 2010/2011, PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131					4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose one: AAS 2100, ANTH 2010, GEOG 2000, GS 2010, HLTH 1530/1531, EMC/JOUR/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100	ECON 2410			Must earn a grade of C or better	3
					3
<b>Hours Required</b>					<b>41</b>

Major Courses (Grade of C (2.0 GPA) or better required in each course)	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
Calculus I – (4 hours)	MATH 1910			MATH 1730 with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better (Three hours counted in Gen. Ed. All 4 hours are also considered part of the major.)	1(+3)
Calculus II – (4 hours)	MATH 1920			MATH 1910 with a grade of C or better	4
Calculus III – (4 hours)	MATH 3110			MATH 1920	4
STAT 3150 (3 hrs) (Fall only)	STAT 3150			MATH 1920	3
Mathematical Foundations of Actuarial Science (Spring only)	ACSI 4140			MATH 3020 (or MATH 3110) and STAT 3150	3
Intro to Math of Investment (Fall only)	ACSI 4200			MATH 1920	3
Mathematics of Pricing Theory (Spring only)	ACSI 4220			ACSI 4200/MATH 4200 and ECON 2410, ECON 2420	3
Mathematics of Compound Interest (Fall only)	ACSI 4230			ACSI 4200/MATH 4200	3
Actuarial Mathematics I (Spring only)	ACSI 4330			ACSI 4230 and STAT 4190	3
Choose 2 from: ACSI 4240, 4340, 4630, 4640; STAT 4200 (See department schedule of course offerings)				See online catalog for prerequisites	6
				See online catalog for prerequisites	
<b>Hours Required</b>					<b>33 (36)</b>

**Supporting and Elective Courses (Grade of C (2.0 GPA) or better required for supporting courses)**

Course	Semester	Grade	Prerequisites/Notes	Credit Hours
ACTG 3000			College level math course, ENGL 1010, & sophomore standing	3
CSCI 1170			MATH 1730 with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better	4
CSCI/INFS elective			See catalog for prerequisites	3
ECON 2420				3
FIN 3610			Junior standing and admission to College of Business	3
MATH 4990 – Seminar in Mathematics			Should be taken in final semester	3
STAT 4190 (Spring only)			STAT 3150	3
STAT 4320 (See department schedule of course offerings)			STAT 3150 or MATH 2050	3
<b>Hours Required</b>				<b>25</b>

**Electives**

Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				<b>21</b>

**Minor -Optional**

Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				
Signed:				
	Minor Advisor			Date

- Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
- Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:			
	Major Advisor		
			Date