Name:	

MATHEMATICS (Actuarial Science Track), B.S.

40 courses of three or more credits and 3 one-credit PE courses

ASIC REQUIREMENTS (2 courses and 3 one-edit PE courses)	MAJOR – Mathematics
Composition and Rhetoric	Actuarial Science Track
☐ EN 103 Composition and Rhetoric I	
☐ EN 104 Composition and Rhetoric II	Core Courses (12):
Physical Education Courses	☐ MA 121: Calculus I
□ PE 100	☐ MA 121: Calculus II
□ PE □ PE	
□ PE	☐ MA 222: Statistical Analysis with R
	☐ MA 223: Calculus III
ODES OF THINKING (4 courses)	☐ MA 224: Calculus IV
Literature (Select one)	☐ MA 231: Discrete Mathematics
☐ EN 110, EN 112, EN 115	☐ MA 243: Differential Equations
Mathematics (Satisfied by Major – MA 121)	☐ MA 301: Probability Theory
Natural Science (Select one)	☐ MA 331: Linear Algebra
☐ BI 209, BI 210, BI 211, BI 242, CH 209,	☐ MA 453: Senior Coordinating Seminar
PH 209	☐ CS 115: Introduction to Python
Philosophy	☐ MA 445: Advanced Calculus or
□ PL 109	MA 471: Abstract Algebra
Social Sciences (Select one)	MA 4/1. Abstract Algebra
☐ CJ 109, EC 209, EC 112, PO 103, PO	Track Specific Courses (4):
109, PS 109, or SO 109	☐ MA 311: Actuarial Mathematics - P
JLTURAL LITERACY (6 courses)	☐ MA 312: Actuarial Mathematics - FM
Humanities I and II. Preferably select a set (e.g.,	☐ EC 209*: Macroeconomics <u>or</u>
HI 201/202). However, a combination (e.g., PO	EC 210: Microeconomics
201 + HI 214) is acceptable.	☐ CS260: Database and Data Visualization
☐ Hum. I: HI 201, PO 201, HI 213	
☐ Hum. II: HI 202, PO 202, HI 214, HI 262	*EC 209 satisfies SS MOT
Humanities III: Great Works of Art & Music	
(See Master Schedule of Day Classes)	MINOR
Humanities IV: Great Works of Literature	(6 courses)
(See Master Schedule of Day Classes)	(0 40 413 43)
Foreign Language/World Cultures	
(Select either two of the same language, any	
two WC, or one WC and one approved	ELECTIVES
course with international study)	(As needed to complete 40-course req.)
	1 1/
	
IRISTIAN VALUES AND THEOLOGY	O O O O
courses)	
Catholic Theology	Ann Koefer, Director of Academic Resource Center
□ TH 109	Effective fall, 20
Intermediate Theology (200/300 level TH)	
□ TH	
Values Seminar	
(See Master Schedule of Day Classes)	
П	

For the most up-to-date record of progress toward completion of degree requirements, students should use the Academic Evaluation tool, which is listed under the Academic Planning heading in WebAdvisor.

DE SALES UNIVERSITY

Typical Program: MATHEMATICS MAJOR (Actuarial Science Track) B. S.

FALL SEMESTER

SPRING SEMESTER

FIRST YEAR

Calculus 1 (MA 121) Introduction to Python (CS115) Composition and Rhetoric I (EN 103)

Philosophy MOT (PL 109)
Foreign Language/World Cultures
Lifetime Fitness and Wellness (PE 100)

Calculus II (MA 122)

Statistical Analysis with R (MA222) Composition and Rhetoric II (EN 104) Social Science MOT (if EC 209 is not taken *)

or Free Elective

Foreign Language/World Cultures Physical Education (Activity)

SECOND YEAR

Calculus III (MA 223) Probability Theory (MA 301) Catholic Theology (TH 109)

Humanities 1 Free Elective

Physical Education (Activity)

Calculus IV (MA 224)

Discrete Mathematics (MA231) Actuarial Mathematics – P (MA 311)

Humanities 2 Literature MOT

THIRD YEAR

Linear Algebra (MA 331)
Advanced Calculus (MA 445)
or Abstract Algebra (MA 471)
Humanities 3
Intermediate Theology
Principles of Macroeconomics (EC 209)
or Principles of Microeconomics (EC 210) *

Actuarial Mathematics - FM (MA 312) Differential Equations (MA 243) Databases and Data Visualization (CS 260) Humanities 4 Natural Science MOT

FOURTH YEAR

Senior Coordinating Seminar (MA 453)

Free Elective

Students pursuing Secondary Education Teacher Certification should follow the STEP Mathematics Graduation Requirement Forms.

Ann Koefer, Director of Academic Resource Center Effective fall, 2020

^{*} EC 209 satisfies the SS MOT requirement