Name: _____

MATHEMATICS (General Track), B.S.
40 courses of three or more credits and 3 one-credit PE courses

GENERAL EDUCATION CORE
BASIC REQUIREMENTS (2 courses and 3 one-credit PE courses)

Composition and Rhetoric
- ☐ EN 103 Composition and Rhetoric I
- ☐ EN 104 Composition and Rhetoric II

Physical Education Courses
- ☐ PE 100
- ☐ PE _____
- ☐ PE _____

MODES OF THINKING (4 courses)

Literature (Select one)
- ☐ EN 110, EN 112, EN 115

Mathematics **(Satisfied by Major – MA 121)**

Natural Science (Select one)
- ☐ BI 209, BI 210, BI 211, BI 242, CH 209, PH 209

Philosophy
- ☐ PL 109

Social Sciences (Select one)
- ☐ CJ 109, EC 209, EC 112, PO 103, PO 109, PS 109, or SO 109

CULTURAL LITERACY (6 courses)

Humanities I and II. *Preferably* select a set (e.g., HI 201/202). However, a combination (e.g., PO 201 + HI 214) is acceptable.
- ☐ Hum. I: HI 201, PO 201, HI 213
- ☐ Hum. II: HI 202, PO 202, HI 214, HI 262

Humanities III: Great Works of Art & Music
(See Master Schedule of Day Classes)
- ☐ ___ _____

Humanities IV: Great Works of Literature
(See Master Schedule of Day Classes)
- ☐ ___ _____

Foreign Language/World Cultures
(Select either two of the same language, any two WC, or one WC and one approved course with international study)
- ☐ ___ _____
- ☐ ___ _____

CHRISTIAN VALUES AND THEOLOGY
(3 courses)

Catholic Theology
- ☐ TH 109

Intermediate Theology (200/300 level TH)
- ☐ TH _____

Values Seminar
(See Master Schedule of Day Classes)
- ☐ ___ _____

MAJOR – Mathematics
General Track

Core Courses (12):
- ☐ MA 121: Calculus I
- ☐ MA 122: Calculus II
- ☐ MA 222: Statistical Analysis with R
- ☐ MA 223: Calculus III
- ☐ MA 224: Calculus IV
- ☐ MA 231: Discrete Mathematics
- ☐ MA 243: Differential Equations
- ☐ MA 301: Probability Theory
- ☐ MA 331: Linear Algebra
- ☐ MA 453: Senior Coordinating Seminar
- ☐ CS 115: Introduction to Python
- ☐ MA 445: Advanced Calculus <u>or</u>
  MA 471: Abstract Algebra

Track Specific Courses (4):
Choose four electives from the following:
CS260; any MA course at 300 or 400 level

- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____

MINOR
(6 courses)

- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____

ELECTIVES
(As needed to complete 40-course req.)

- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____   ☐ ___ _____
- ☐ ___ _____

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

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-General Track (B. S.)

FALL SEMESTER	SPRING SEMESTER

FIRST YEAR

Calculus 1 (MA 121)	Calculus II (MA 122)
Introduction to Python (CS115)	Statistical Analysis with R (MA222)
Composition and Rhetoric I (EN 103)	Composition and Rhetoric II (EN 104)
Philosophy MOT (PL 109)	Social Science MOT
Foreign Language/World Cultures	Foreign Language/World Cultures
Lifetime Fitness and Wellness (PE 100)	Physical Education (Activity)

SECOND YEAR

Calculus III (MA 223)	Calculus IV (MA 224)
Differential Equations (MA243)	Discrete Mathematics (MA231)
Humanities 1	Humanities 2
Catholic Theology (TH 109)	Literature MOT
Free Elective	Free Elective
Physical Education (Activity)	

THIRD YEAR

Probability Theory (MA 301)	Advanced Calculus (MA445)
Linear Algebra (MA 331)	**or** Abstract Algebra (M471)
Mathematics Elective *	Mathematics Elective *
Humanities 3	Humanities 4
Intermediate Theology	Natural Science MOT
	Free Elective

FOURTH YEAR

Senior Coordinating Seminar (MA 453)	Mathematics Elective *
Values Seminar	Mathematics Elective *
Free Elective	Free Elective
Free Elective	Free Elective
Free Elective	Free Elective

* Choose four electives from the following: CS 260, any MA course at 300 or 400 level

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

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Effective fall, 2020