# Saint Mary's University
## SCIENCE

# B.Sc. MAJOR in MATHEMATICS
## Program Requirements

**2024-25 Calendar**

| Humanities 6 credit hr | Arts/ECON 12 credit hr | Electives 36 credit hr | MATH/CSCI 6 credit hr | Science Breadth 18 credit hr ■ | MAJOR Subject Area MATHEMATICS 42 credit hr |
|---|---|---|---|---|---|
| | | | ◆CSCI 1226 Intro to Computing Science & Programming | | MATH 1210 Introductory Calculus I |
| | | | CSCI 1227 **OR** CSCI 1228 | | MATH 1211 Introductory Calculus II |
| | | | | | MATH 2301 Applied Linear Algebra |
| | | | | | MATH 2305 Discrete Mathematics |
| | | | | | MATH 2310 Introductory Analysis |
| | | | | | MATH 2321 Linear Algebra II |
| | | | | | MATH 2311 Intermediate Calculus |
| | | | | | ●MATH ≥ 23xx |
| | | | | | ●MATH ≥ 23xx |
| | | | | | ●MATH ≥ 23xx |
| | | | | | MATH 3441 Real Analysis I |
| | | | | | MATH ≥ 3xxx |
| | | | | | MATH ≥ 3xxx |
| | | | | | MATH 4420 Abstract Algebra I |

*A minimum GPA of 2.2 is required in the Major Subject Area courses.*

## NOTES:

■ CSCI courses may be used to satisfy.

◆A minimum grade of C is required in CSCI 1226 to take CSCI 1228

●MATH 1216 (Intro to Mathematical Statistics) acceptable for 3 credit hours

LIGHT GRAY = *suggested* schedule Year 1

DARK GRAY= *suggested* schedule Year 2

*Every effort is made to ensure that the information summarized here is accurate. Students are reminded that the University Academic Calendar is the official source of*

**Course & Elective Options:**

**Sciences:** Astronomy, Biology, Chemistry, Computing Science, Environmental Science, Geography (Group B only), Geology, ~~Mathematics~~, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, GEOL 1202, GEOL 1203, GEOL 1210, MATH 1202, and MATH 1203)

**Arts:** Anthropology, Arabic, Asian Studies, Atlantic Canada Studies, Chinese, Ancient Studies (Classics), Criminology, Economics, Education, English, French, German, Geography (Group A, C, D only), Health Wellness and Sport in Society, Hispanic Studies, History, Intercultural Studies, Global Development Studies (International Development Studies), Irish Studies, Japanese, Linguistics, Philosophy, Political Science, Public Humanities & Heritage, Religion, Sociology, Social Justice and Community Studies, Spanish, Gender Studies & Sexuality.

**Humanities:**  Atlantic Canada Studies, Asian Studies, Ancient Studies (Classics), English, History, Intercultural Studies, Irish Studies, Philosophy, Public Humanities & Heritage Religion, and Modern Languages (courses in literature and/or culture)