

Bachelor of Science Degree - Mathematics [Traditional Track] 2003-04

Department of Mathematics

638 Wachman Hall (215) 204-7841

Chairperson: Dr. John Schiller

Faculty Advisor: Dr. Boris Datskovsky

<http://math.temple.edu>

- 123 credits, 90 of which must be in CST/CLA courses
- 45 credits must be upper level coursework in CST/CLA
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- The following requirements for the Mathematics Major:

[Math Sequence: 0015 > 0045 > C073 > C074 > C085 > 0086

First Year

- Calculus I (Math C085 or H095)
- Calculus II (Math 0086 or H096)
- Elementary Classical Physics I (Physics C087) or General Physics I (Physics 121)
- Elementary Classical Physics II (Physics C088) or General Physics II (Physics 122)
- Programming (CIS 0067, 0068 or C071)
- Programming (CIS 0067, 0068 or C071)

Second Year

- Calculus III (Math 127) [prereq: Math 85, 86]
- Basic Mathematical Concepts (Math W141) [co or prereq: Math 127; Math W141 cannot be taken after Math W205 or 247] or Modern Algebra (Math W205) [prereq: Math 148]
- Linear Algebra (Math 148) [prereq: Math 85, 86]
- Intro to Probability (Math 233) [prereq: Math 127]
- Differential Equations I (Math 251) [prereq: Math 127]

Third Year

- Numerical Analysis (Math 253) [prereq: CIS programming, Math 127 and either 147 or 148]
- Advanced Calculus I (Math 247) [prereq: Math 127]
- Advanced Calculus II (Math 248) [prereq: Math 247]
- 1 Math Course numbered 200 or above or chosen from list below*

Fourth Year

- Senior Prob Solv (Math W363) [prereq: Math W205, 247]
- Complex Analysis (Math 347) [prereq: Math 247, 248]
- 1 Math Course numbered 200 or above or chosen from list below*
- 1 Math Course numbered 300 or above

*Actuarial Science 305, 306, Chem 231, 232, CIS 211, 242, Econ 241, Physics 187, 188, 201, 202, 211, 231, 306

Traditional Core

For students starting as freshmen or transferring with fewer than 45 credits.

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies (non western)* _____
- Science and Technology Level 1 _____
- Science and Technology Level 2 _____
- Quantitative Reasoning Level 1 _____
- Quantitative Reasoning Level 2 _____
- Intellectual Heritage X051 _____
- Intellectual Heritage X052 _____
- Writing Intensive Elective _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

*B.S.

- 2 International Studies (IS) or
- 2nd level of a language + 1 IS or
- 3rd level of a language /Exempt^

Core 45 +

For students receiving 45 credits or more in transfer.

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____ } 2 of the 3
- Studies in Race _____
- Science and Technology Level _____
- Quantitative Reasoning Level _____
- Intellectual Heritage X051 or X052 _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Foreign Language* _____
- International Studies* _____

•B.S.

- 1 International Studies (IS) or
- 2nd level of a language/Exempt^

Core to Core

For students who have completed an Associate's degree from a college that has an established transfer agreement with Temple.

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

^If English is your second language, speak with an advisor about possible Exemption.
Revised 08/03