

MATHEMATICS (TRADITIONAL / PURE)

Bachelor of Science (B.S.)

College of Science and Technology

Guide No. CST-08

At-A-Glance

-  **Minimum GPA**
2.0
-  **Limited Access**
No
-  **Additional Program Application**
No
-  **Test Required**
No
-  **Online Option**
No
-  **Total Credits**
63

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are **required** to have **two** years of Foreign Language study **prior** to graduation with a bachelor's degree from Florida A&M University.
- Civic Literacy Requirement must be met prior to graduation.



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
MAC 3211 Calculus I (4)	MAC 2312 Calculus II (4)
AMH 2091 African American History (3)	COP 3014C Fund of Programming (4)
Humanities Elective (3)	SPC 2608 Public Speaking (3)
SLS 1101 1st Year Experience College Transition (2)	Humanities Elective (3)
Total: 15	Total: 17

YEAR 2

Fall	Spring
MAC 2313 Calculus III (5)	MHF 4202 Foundations of Mathematics d (3)
STA 2023 Elementary Statistics (3)	MAP 2302 Differential Equations (3)
MAS 3105 Linear Algebra (3)	Social Science Elective (3)
Approved Sciences Sequence (4)	Approved Sciences Sequence (4)
	Elective (3)
Total: 15	Total: 16



JOB OUTLOOK

Overall employment in mathematics and statistics occupations is projected to grow significantly from 2024 to 2034, much faster than the average for all occupations. Increasing reliance on data analysis, mathematical modeling, artificial intelligence, cybersecurity, and quantitative decision-making is expected to drive demand for professionals with strong mathematical skills. Thousands of openings for mathematicians, statisticians, and related professionals are projected each year, on average, over the decade.

Career Opportunities

- Ph.D. Students
- Research Assistant
- Graduate Teaching Assistant
- Instructors/Lecturers/Teaching Professors
- Tenure Professors (a doctorate degree is required)
- Theoretical Physicists
- Researchers in industries or businesses



NEXT STEPS



CONTACT US

Program Website

<https://www.famu.edu/academics/all-programs/cst/mathematics-traditional-pure-bs.php>

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