

APPLY FOR THE AIMS MASTER'S IN MATHEMATICAL SCIENCES FOR TEACHERS (MMST)



The African Institute for Mathematical Sciences (AIMS) Ghana invites applications for the prestigious two-year Master's in Mathematical Sciences for Teachers (MMST) Program for the 2024/2026 academic year.

The MMST is a professional program designed to provide current teachers of mathematics in Africa, an opportunity to expand the knowledge of its participants in mathematical foundations relating to core secondary school curricula, and applications of modern mathematics. Coupled with significant mathematical concepts, the program is enriched with relevant pedagogy courses to challenge its students to investigate new, innovative and research-informed methods of knowledge transfer.

NB: The MMST program is offered on a part-time basis fully online for Ghanaians and other African Nationals.

The AIMS teaching and learning model carefully set up by eminent abled faculty across the globe is uniquely designed to emphasize creativity, innovation, and flexibility. The program provides both a broad overview and in-depth study of cutting-edge topics in mathematical sciences with strong computing and research skills. This offers students exposure to a range of topics, allowing them to make informed choices as to their future specialization.

The two-year MMST program consists of three phases; the skills phase, the review phase, and the research phase. The AIMS MMST program is equivalent to a 4-semester hybrid course including project-based research. Typical courses offered in the phases include the following.

SKILLS COURSES: Mathematical Problem Solving | Physical Problem Solving | History of Mathematics and Mathematical Discoveries | Technology in Mathematics | Introduction to Probability Theory | Communicating Mathematics | Calculus | Introduction to Python and SciPy | Algebra for Teachers | Introduction to Ordinary Differential Equations

REVIEW COURSES: Geometry for Teachers | Real Analysis | Discrete Mathematics | Statistics for Teachers | Mathematical Epidemiology | Number Theory for Teachers | Modeling | Numerical Methods and Scientific Computing with Python | Introduction to Financial Mathematics | Modeling of Computational Mathematics | Introduction to Classical Mechanics | Data Visualization

NB: Courses may differ based on the availability of lecturers.

FINANCIAL SUPPORT: The full scholarship provided covers tuition.

ELIGIBILITY:

- Must have a bachelor's degree with sufficient mathematical background
- Must come from any African country
- Must currently be teaching in any African country

APPLICATION DOCUMENTS:

A complete application should include the following documents:

- Curriculum vitae
- Post-secondary transcripts and certificates
- Details of two referees (one from the applicant's current school) to be submitted directly via the application portal.
- Consent and support letter from the Head Teacher of applicant's school
- Valid passport / (ID for Ghanaians)

All enquiries should be sent via email to mmst-applications-2024@aims.edu.gh The subject of your email should have your full name and the name of the program. Example: **John Owusu_ AIMSMMST**

Kindly click shorturl.at/eWVqj to apply!

NB: Only shortlisted applicants will be contacted.

**DEADLINE FOR APPLICATIONS,
15th August 2024, 18:00 GMT.**