

APPLY FOR 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 of Mathematical Sciences for Teachers (MMST) Program for the 2022/2023 academic year. This is a special training for teachers of mathematics in Africa.

The AIMS MMST is a professional program designed to provide current teachers of mathematics 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. The MMST program is offered on a part-time basis and it is 70% online and 30% residential for Ghanaian Nationals, and entirely online for 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

FINANCIAL SUPPORT: The full scholarship provided covers tuition, books, accommodation and meals at AIMS for the residential period, and monthly stipend.

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 school you are currently teaching) to be submitted directly via the application portal.
- Valid passport / (ID for Ghanaians)

All enquiries should be sent via email to mmstapplications@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 <https://bit.ly/3N1ZWws> to apply!
NB: Only shortlisted applicants will be contacted.

**DEADLINE FOR APPLICATION,
30th April 2022, 18:00 GMT.**