

# GRADUATE ATTRIBUTES OF MASTER OF SCIENCE IN MATHEMATICS

Attribute	Code	Graduate Attributes
<b>Breadth of Knowledge</b>	GA1	Ability to integrate mathematical principles with concepts from other disciplines, fostering a broader understanding of applications
<b>Problem solving skills</b>	GA2	Skills to apply mathematical concepts and tools to address real-world problems, demonstrating creativity and innovation in solutions.
<b>Critical and creative thinking</b>	GA3	Proficiency in evaluating problems, synthesizing information, and developing logical arguments to solve complex mathematical issues.
<b>Research skills</b>	GA4	Ability to design, conduct, and analyze research projects, employing advanced mathematical techniques and methodologies.
<b>Technical skills</b>	GA5	Familiarity with mathematical software, programming languages, and / or computational tools relevant to research and data analysis
<b>Communication skills</b>	GA6	Competence in effectively communicating complex mathematical ideas and research findings through written reports, presentations, and discussions.
<b>Self-directed Lifelong learning</b>	GA7	Commitment to continued professional development and engagement with ongoing advances in mathematics and related fields.
<b>Career Skills</b>	GA8	Experience working in collaborative research environments, demonstrating the ability to engage with peers and mentors.
<b>Ethical responsibilities</b>	GA9	Awareness of ethical considerations in research practices, including integrity, responsibility, and respect for intellectual property.
<b>Social Responsibilities</b>	GA10	Ability to adjust to new conditions and contribute with the help of acquired knowledge and skills.