



# The Ohio State University

## Department of Mathematics

Degree	Required	Strongly Recommended	Minimum Requirements	Other factors
<b>Ph.D. Theoretical Mathematics Track</b>	<ul style="list-style-type: none"> <li>Evidence of strong preparations in Real Analysis and Abstract Algebra. Typically expected are one-year sequences at the baby-Rudin and Dummit-Foote level or comparable academic work.</li> <li>GRE Subject test in Math – may be waived with submission of a justification.</li> <li>3 Letters of Recommendation, Vita, and Statement.</li> </ul>	Additional upper division or graduate coursework in pure or applied math with solid grades.	<p>Minimum undergraduate cumulative GPA of 3.0 on 4.0 grade scale.</p> <p>No minimum requirements for GRE test scores for admission.</p>	<p>Research experience is not required or expected but may make applications more competitive.</p> <p>Similar for graduate level coursework.</p>
<b>Ph.D. Applied Mathematics Track</b>	<ul style="list-style-type: none"> <li>Evidence of solid preparations in Real Analysis (e.g., one semester baby-Rudin), advanced Linear Algebra, and Computational Science at introductory level.</li> <li>GRE Subject test in Math – may be waived with submission of a justification.</li> <li>3 Letters of Recommendation, Vita, and Statement.</li> </ul>	<p>Additional upper division or graduate coursework in the mathematical sciences.</p> <p>Prior research experience is not strictly required but weighs more heavily than for theoretical track</p>	<p>Minimum undergraduate cumulative GPA of 3.0 on 4.0 grade scale.</p> <p>No minimum requirements for GRE test scores for admission.</p>	Graduate level coursework and exposure to other quantitative sciences with math applications contribute to the strength of an application in this track.
<b>Master of Actuarial and Quantitative Risk Management</b>	<ul style="list-style-type: none"> <li>Solid Bachelor level coursework in Advanced Calculus, Statistics &amp; Probability, as well as elementary economics.</li> <li>GRE general test or GMAT</li> <li>3 Letters of Recommendation, Vita, and Statement.</li> </ul>	<p>Background/coursework in programming and Interest Theory.</p> <p>GRE Subject Test in Math</p>	<p>Minimum undergraduate cumulative GPA of 3.0 on 4.0 grade scale.</p> <p>No minimum GRE test scores for admission.</p>	Relevant research experience for Bioscience track useful as well as coding background for computational track.

### Current Practice on Application Fee Waiver:

Standard Application Fee for PhD applicants is only \$5. (Fee for the MAQRM is \$60). Please contact grad-info@math.osu.edu for more information on fee waivers for special programs through OSU.

### Financial Aid Information:

- All PhD students are guaranteed Graduate Teaching Associateships provided good academic standing.
- Strong applicants with an undergraduate GPA  $\geq 3.6$  as well as minority students with undergraduate GPA  $\geq 3.2$  may be considered to compete for recruitment fellowships (without teaching duties) for one to three years.
- Limited additional funds are available for departmental fellowships for either applying or continuing students.
- MAQRM students are generally not supported and responsible for their own stipend and tuition costs.

Website:

<https://math.osu.edu/grad/future>