Doctor of Philosophy (PhD) Degree in the field of Computational and Applied Mathematics

Program Learning Outcomes for the PhD Degree in the field of Computational and Applied Mathematics

Upon completing the PhD degree in the field of Computational and Applied Mathematics, students will be able to:

1. Demonstrate a solid foundation in graduate-level computational and applied mathematics, across multiple sub-fields.
2. Propose and conduct original research in the field of computational and applied mathematics.
3. Communicate computational and mathematical results and their consequences professionally and effectively in both written and oral formats.

Requirements for the PhD Degree in Computational and Applied Mathematics

For general university requirements, please see Doctoral Degrees (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-doctoral-degrees/). For additional requirements, regulations, and procedures for all graduate programs, please see All Graduate Students (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/). Students pursuing the PhD degree in the field of Computational and Applied Mathematics must:

- Complete a course of study approved by the department to establish a broad foundation in applied mathematics.
- Perform satisfactorily on qualifying examinations and reviews.
- Produce an original thesis acceptable to the department.
- Perform satisfactorily on a final public oral examination on the thesis.

Summary

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<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<td>Total Credit Hours Required for the PhD Degree in the field of Computational and Applied Mathematics</td>
<td>90</td>
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Policies for the PhD Degree in the field of Computational and Applied Mathematics

Department of Computational and Applied Mathematics Graduate Program Handbook

The General Announcements (GA) is the official Rice curriculum. As an additional resource for students, the department of Computational and Applied Mathematics publishes a graduate program handbook, which can be found here: https://gradhandbooks.rice.edu/2020_21/Computational_Applied_Mathematics_Graduate_Handbook.pdf

Admission

Admission to graduate study in computational and applied mathematics is open to qualified students holding bachelor’s or master’s degrees (or their equivalent) in engineering; mathematics; or the physical, biological, mathematical, or behavioral sciences. Department faculty evaluate the previous academic record and credentials of each applicant individually. For general information and university requirements, see Graduate Degrees (https://ga.rice.edu/graduate-students/academic-opportunities/degrees/) and Admission to Graduate Study (https://ga.rice.edu/graduate-students/academic-policies-procedures/admission/).

Applicants should be aware that it normally takes two years to obtain a master’s degree and an additional two to four years for the doctoral degree.

Financial Assistance

Graduate fellowships, research assistantships, and graduate scholarships are available and are awarded on the basis of merit to qualified students. Current practice in the department is for most doctoral students in good academic standing to receive some financial aid.

Additional Information

For additional information, please see the Computational and Applied Mathematics website: https://www.caam.rice.edu/

Opportunities for the PhD Degree in the field of Computational and Applied Mathematics

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