MASTER OF COMPUTATIONAL AND APPLIED MATHEMATICS (MCAAM) DEGREE

Program Learning Outcomes for the MCAAM Degree

Upon completing the MCAAM degree, students will be able to:

1. Acquire broad, advanced knowledge in Computational and Applied Mathematics that is also deep within a major sub-discipline.
2. Demonstrate an ability to gain employment or advancement in a technical field related to Computational and Applied Mathematics

Requirements for the MCAAM Degree

The MCAAM degree is a non-thesis master’s degree. For general university requirements, please see Non-Thesis Master’s Degrees (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Students pursuing the MCAAM degree must complete:

- A minimum of 10 courses (30 credit hours) to satisfy degree requirements.

This professional degree program emphasizes the applied aspects of mathematics, and requires satisfactory completion of at least 30 credit hours of graduate level coursework approved by the department.

Summary

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<th>Code</th>
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<th>Credit Hours</th>
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<td>Total Credit Hours Required for the MCAAM Degree</td>
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Degree Requirements

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<td>Core Requirements</td>
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- Select 2 from the following:
  - CAAM 519 COMPUTATIONAL SCIENCE I
  - CAAM 550 NUMERICAL ANALYSIS I
  - CAAM 554 NUMERICAL ANALYSIS II
  - CAAM 571 LINEAR AND INTEGER PROGRAMMING

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<td>Elective Requirements</td>
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- Select 8 elective courses.  

Total Credit Hours

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Footnotes and Additional Information

1 To fulfill the remaining MCAAM degree program requirements, students must complete a total of 8 additional courses (24 credit hours) at the 500-level or above. At least 5 of these courses must be from the departmental (CAAM) course offerings at the 500-level or above. CAAM 600, CAAM 698, CAAM 699, and CAAM 800 may not be applied toward the Elective requirement. Thesis, seminar, or independent study courses cannot be applied towards the Elective Requirements. Students may take up to 3 courses (9 credit hours) from course offerings outside of CAAM, with the approval of the student’s mentor.

Policies for the MCAAM Degree

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: http://gradhandbooks.rice.edu/2017_18/Computational_Applied_Mathematics_Graduate_Handbook.pdf.

Transfer Credit

For Rice University’s policy regarding transfer credit, see Transfer Credit (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Some departments and programs have additional restrictions on transfer credit. Students are encouraged to meet with their academic program’s advisor when considering transfer credit possibilities.

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

Opportunities for the MCAAM Degree

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