The advanced multi-disciplinary degree program in Computational Science and Engineering addresses the current need for sophisticated skills in data and computation in both engineering and the sciences. Such skills require an understanding of tools, techniques, and algorithmic capabilities in a range of subjects including simulation, modeling, analytics, parallelization, visualization, networking, and programming. An awareness of a variety of new algorithms and analytic techniques is essential to maximizing the power of the new data and computational tools.

The Master of Computational Science and Engineering (MCSE) professional master’s degree is for individuals interested in practicing within the field of data and computation.

Computational Science and Engineering does not currently offer an academic program at the undergraduate level.

Master's Program

- Master of Computational Science and Engineering (MCSE) Degree

Director

Matthias Heinkenschloss, Computational and Applied Mathematics

Advisory Committee

John Dobelman, Statistics
Matthias Heinkenschloss, Computational and Applied Mathematics
Mack Joyner, Computer Science
Michael T. Orchard, Electrical and Computer Engineering

For Rice University degree-granting programs:
To view the list of official course offerings, please see Rice's Course Catalog (https://courses.rice.edu/admweb/ISWKSCAT.cat?p_action=cata)
To view the most recent semester's course schedule, please see Rice's Course Schedule (https://courses.rice.edu/admweb/ISWKSCAT.cat)

Description and Code Legend

Note: Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference: