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, while the PhD program concentrates more specifically on research.

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

**Master’s Programs**

- Master of Arts (MA) Degree in the field of Computational Science and Engineering*

**Doctoral Program**

- Doctor of Philosophy (PhD) Degree in the field of Computational Science and Engineering ([https://ga.rice.edu/programs-study/departments-programs/engineering/computational-science-engineering/computational-science-engineering-phd/](https://ga.rice.edu/programs-study/departments-programs/engineering/computational-science-engineering/computational-science-engineering-phd/))

* Although students are not normally admitted to a Master of Arts (MA) degree program, graduate students may earn the MA as they work towards the PhD.

**Director**

Jan E. Odegard, Ken Kennedy Institute

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