

COMPUTATIONAL SCIENCE AND ENGINEERING

Computational Science and Engineering (CSE) (<https://computationalengineering.mit.edu/cse>) allows students to specialize at the doctoral level in a computation-related field of their choice via focused coursework and a doctoral thesis through a number of participating host departments, including Aeronautics and Astronautics, Chemical Engineering, Civil and Environmental Engineering, Mechanical Engineering, Mathematics, and Nuclear Science and Engineering. The emphasis of thesis research activities is the development of new computational methods and/or the innovative application of computational techniques to important problems in engineering and science.

The CSE program is administered jointly by the Center for Computational Engineering (CCE) and the host departments. Students must submit an online application (<https://gradapply.mit.edu/cse/apply/login/?next=/cse>) to the CSE PhD program, indicating the department they wish to be hosted in. To gain admission, CSE program applicants must receive approval from both the host department graduate admission committee and the CCE graduate admission committee. See the website (<http://computationalengineering.mit.edu/cseadmission>) for more information about the application process, requirements, and relevant deadlines.

Once admitted, doctoral degree candidates are expected to complete the host department's degree requirements (including qualifying exam) with CSE deviations relating to coursework, thesis committee composition and thesis submission that are specific to the CSE program and are discussed in more detail on the CSE website (<http://computationalengineering.mit.edu/education/cse-overview>).

Inquiries

For more information about the CSE program, contact Kate Nelson (cse_info@mit.edu), Room 35-434, 617-253-3725, or visit the program website (<https://computationalengineering.mit.edu/cse>).