

CHEMICAL ENGINEERING

The Department of Chemical Engineering offers a non-thesis Master of Science, which is oriented toward engineering design and practice. The degree has no residency requirement and can be earned entirely online. All applicants must submit GRE test scores, and TOEFL scores are required for international applicants. Applicant must hold a bachelor's degree or equivalent from an institution of recognized standing and must have the undergraduate experience in related areas of general physics, calculus, differential equations, chemistry, etc.

Applicants with undergraduate degrees in science, math or other engineering disciplines may be considered on a case-by-case basis, but may be required to complete certain prerequisite courses. These students who do not have chemical engineering background should be aware that prior to consideration they most likely will have to complete a two-semester outreach bridge program through Michigan State University (chems.msu.edu/academics/cont.ed) and earn letter grades of A (or possibly B.)

Some of the specialties include: surface science, biochemical engineering, catalysis, pulp and paper engineering, environmental engineering, waste conversion, computer-aided process design and simulation, novel bioseparations systems, chemical kinetics and reactor design.

Degree Requirements:

- 30 semester credit hours of graduate (6000 and 7000 level) course work
 - » Half of the total must be at the 7000 level
 - » 21 of these credit hours must be in chemical engineering and must include three core chemical engineering courses
 - » 9 of these credit hours must be technical electives relevant to the student's area of concentration
- Specific plan of study must be approved by the student's advisory committee.

To learn more about the Department of Chemical Engineering master's program, including specific courses offered, please visit eng.auburn.edu/program/master-of-science-chemical-engineering.