Chemical engineers are involved in the design of materials and devices
and in the design and operation of plants which manufacture a wide
variety of chemicals, including plastics, textile fibers, fuels, and
pharmaceuticals. The work of the chemical engineer can be highly
diverse, ranging from research on pollution prevention to the marketing of
new chemical products.

The department offers the Bachelor of Science in Engineering with
a major in chemical engineering. The department, jointly with the
Department of Mechanical Engineering, offers a major in biomedical
engineering.

Accelerated B.S.E./M.E. Education Plan
The Accelerated B.S.E./M.E. Plan in Chemical Engineering allows
students to complete both the B.S.E. degree and a Master of Engineering
degree in chemical engineering in as few as five years. The use of
dual credit-courses that can be used toward both degrees-enables
acceleration of the program, reducing the total enrollment of the student
by one semester.

Chemical engineering students may apply for approval of an accelerated
education plan in the semester in which they will complete 90 hours of
undergraduate course work. In addition, students must have a sufficient
foundation in chemical engineering course work to enable them to take
graduate-level courses. University and department regulations stipulate
that applicants must have a minimum GPA of 3.40, both overall and in
chemical engineering courses. Students may apply by submitting an
accelerated education plan, an application for senior privilege, and a copy
of a Graduate School application to the graduate director in chemical
engineering. The dean of The Graduate School has final authority for
approving accelerated education plans.

Only graduate-level courses (numbered 500 and above) may be used for
dual credit. No more than nine credit hours may be used as dual credit.
The graduate courses used for dual credit must be taken during the
student's final undergraduate year. The student graduates with the B.S.E.
degree after completing the B.S.E. degree requirements. At that time,
the student is admitted to the graduate program with up to nine hours of
graduate credit.