

CHEMICAL ENGINEERING (CHME)

Chemical Engineering Graduate Courses

CHME 8306 CHEMICAL ENGINEERING LAB (4 credits)

Selected experiments in chemical engineering. Emphasis on experimental design, interpretation of results, and formal oral and written reports. (Cross-listed with CHME 4300).

Prerequisite(s): CHME 2030 and CHME 3330 and (coreq CHME 4420 or CHME 8426)

CHME 8346 DIFFUSIONAL OPERATIONS (3 credits)

Application of diffusional theory to the design of processing equipment required for absorption, adsorption, leaching, drying, and chemical reactions. (Cross-listed with CHME 4340).

Prerequisite(s): CHME 3330 and CHME 4420 and MATH 2350

CHME 8426 CHEMICAL REACTOR ENGINEERING AND DESIGN (3 credits)

Basic principles of chemical kinetics are coupled with models descriptive of rates of energy and mass transfer for the analysis and design of reactor systems. (Cross-listed with CHME 4420).

Prerequisite(s): CHME 3230

CHME 8896 AIR POLLUTION, ASSESSMENT AND CONTROL (3 credits)

Survey of the present status of the air pollution problem and the application of engineering and scientific principles to its practical and effective coordinated control. (Cross-listed with CHME 4890).

Prerequisite(s): Senior standing, not open to nondegree students