

Industrial Chemistry and Process Analytics, Academic Certificate

The Department of Chemistry offers an undergraduate-level academic certificate in Industrial Chemistry & Process Analytics. This program is a minimum of 13 semester credit hours (SCH) (7 SCH of required courses and a minimum of 6 SCH of electives) that is open to all majors and professionals who wish to strengthen their preparation for careers in chemical manufacturing, quality control, coatings, or energy. Students must earn a grade of B or better in all certificate courses.

Code	Title	Semester Credit Hours
Required Courses		7
CHEM 3331	Physical Chemistry I	
CHEM 4401	Mod Meth of Instrumental Anal	
Elective Courses		6
CHEM 2401	Inorg Quantitative Analysis	
CHEM 3385	Undergraduate Research (WI) ¹	
CHEM 4311	Advance Inorganic Chemistry	
CHEM 4313	Chemistry and Nanoscience	
CHEM 4385	Senior Research (WI) ¹	

Some of the above courses may have prerequisites. Please consult with your advisor prior to enrolling.

¹ Research must focus on process chemistry, catalysis, or industrial QA/QC to count toward the academic certificate.