



### Courses in Chemistry

CH 151 Fundamentals of Chemistry I	5 credits
CH 152 Fundamentals of Chemistry II	5 credits
CH 340 Organic Chemistry I	3 credits
CH 342 Organic Chemistry Laboratory 1	2 credits
One of the three options	
CH 320 Analytical Chemistry	3 credits
CH 321 Analytical Chemistry Laboratory	1 credit
or	
CH 341 Organic Chemistry II	3 credits
CH 343 Organic Chemistry Laboratory II	2 credits
or	
CH 350 Biochemistry I	3 credits
<u>CH 351 Biochemistry Laboratory I</u>	<u>2 credits</u>
Total in department	19-20 credits

### Cognate courses

MA 116 College Algebra	3 credits
BI 102 General Cellular Biology	5 credits
BI 301 General Microbiology	4 credits
<u>Biology elective with lab</u>	<u>3-5 credits</u>
Total cognate	15-17 credits

3. Exact proposed catalog description.

*The Departmental Mission and Student Learning Outcomes are as already stated in the catalog. The following will be added under "THE MAJOR."*

**AS in Laboratory Science** – in addition to the university requirements common to all Associate degrees, at least 19 hours in the department are required, including the following courses and their prerequisites: Chemistry 342, one course from (320, 341, and 350), and one correlated laboratory course from (321, 343, and 351). Cognate course requirements are at least 12 hours in Biology including the following courses and their prerequisites: BI 301 and one laboratory containing course from (105, 110, 255, 275, 325, 333, and 354).

Students who are preparing for admission to a pharmacy school would complete the AS in Laboratory Science including the following recommended courses. CH 151, 152, 340, 341, 342, 343, BI 102, 250, 255, 301, MA 141, CN 101, PS 101 (or a high school Physics course with a grade of B or better), EC 200, PY 100, and a literature course in English.

4. List any financial implications.

none

Approved by Faculty Senate 1/24/2011
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