

Chemistry

Associate in Science

Program Code: CHEM.AS/24.0101

Credits Required: 67

Division: Math, Science & Business Technology

Contact: MSBT@kckcc.edu

The Chemistry Department's goal is to provide high quality educational programs for all students who study chemistry at KCKCC. Faculty strive to teach chemistry in ways that help students to become life-long learners, develop effective written and oral communicators, and explore the relationship of chemistry to other fields. The department endeavors to integrate education and research by incorporating recent discoveries, modern techniques, and research-grade instrumentation into the curriculum. As mentors for collaborative student-faculty research and creative projects, faculty works with students to expand fundamental knowledge in chemistry and develop students' abilities for independent scholarship. The department strives to prepare chemistry majors for direct employment in chemistry, entry into four-year colleges and universities or professional programs.

Requirements for admission to the program:

- No requirements for admission to the program.
- Contact program for program-specific advising.

College Requirement

Course		Credit Hours
BLUE 0101	Freshman Seminar	1

General Education Requirements

Course		Credit Hours
ENGL 0101	Composition I*	3
ENGL 0102	Composition II*	3
SPCH 0151 OR SPCH 0201	Public Speaking OR Interpersonal Communication	3
MATH 0122	Calculus and Analytic Geometry I**	5
	Humanities Elective	3
ENGL	Elective	3
	Social Science Electives (2 disciplines)	6
CHEM 0111	College Chemistry I and Lab*	5
CHEM 0112	College Chemistry II and Lab*	5
Total Hours for General Education Requirements		36

*See course syllabus for prerequisite.

**Math sequence is contingent upon previous high school mathematics background and transfer institution. Students should confer with an advisor to determine correct placement.

Chemistry Requirements*

Course		Credit Hours
CHEM 0211	Organic Chemistry I	3
CHEM 0213	Organic Chemistry I Lab	2
CHEM 0212	Organic Chemistry II	3
CHEM 0214	Organic Chemistry II Lab	2
MATH 0123	Calculus and Analytic Geometry II	5
MATH 0224	Calculus and Analytic Geometry III	5
NASC 0231	General Physics I & Lab	5
NASC 0232	General Physics II & Lab	5
Total Hours for Chemistry Requirements		30
*See course syllabi for Chemistry course prerequisites.		

Total Hours for an Associate in Science in Chemistry Degree	67
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