

Fredonia – Jamestown Community College

Articulation Agreement in Chemistry

By this agreement, students who complete an Associate in Science (AS) degree at Jamestown Community College (JCC) are guaranteed admission with full junior standing to the Bachelor of Science (BS) Chemistry degree program at SUNY Fredonia (Fredonia). By completing the AS degree, a minimum of 54 credit hours of coursework listed in Tables 1-2, and at least seven of the ten SUNY General Education (GER) requirements at JCC, such students should be able to complete the BS Chemistry degree at Fredonia within four additional full-time semesters, taking 15-18 credits per semester. Fredonia will accept up to 75 total JCC credits from courses listed in Tables 1-2 and courses transferred as additional electives toward fulfillment of the requirements for the BS Chemistry degree.

GPA Criterion: To be guaranteed admission, students must have a minimum cumulative GPA, from all colleges attended, of 2.5.

College Core Curriculum: To graduate with a baccalaureate degree from Fredonia, students must meet the requirements of Fredonia's College Core Curriculum (CCC). The CCC includes all ten SUNY General Education Requirements plus additional coursework stipulated in the Fredonia catalog. To assist JCC students in preparing for their baccalaureate degree at Fredonia, the additional CCC requirements are summarized below:

- 1) Students are required to complete two courses, with two different prefixes, in the social sciences.
- 2) Students are required to complete two courses, with two different prefixes, in the natural sciences. Students will accomplish this through meeting the requirements for the BS degree.
- 3) The CCC includes an oral communication requirement. This is covered by meeting the SUNY General Education basic communication requirement, which is fulfilled by ENG 1530 at JCC.

Table 1. BS Chemistry Requirements

Jamestown Community College	Fredonia
	Core Program
CHE 1550 College Chemistry I (4)	CHEM 115/125 General Chemistry I (4)
CHE 1560 College Chemistry II (4)	CHEM 116/126 General Chemistry II (4)
CHE 2530 Organic Chemistry I (4)	CHEM 215/225 Organic Chemistry I (4)
CHE 2540 Organic Chemistry II (4)	CHEM 216/226 Organic Chemistry II (4)
	CHEM 315/325 Introduction to Physical Chemistry (4)
	CHEM 316/326 Advanced Physical Chemistry (4)
	CHEM 317/327 Analytical Chemistry, Quantitative Analysis (4)
	CHEM 318/328 Analytical Chemistry, Instrumental Analysis (5)
	CHEM 295 Introduction to Research (1)
	CHEM 462 Inorganic Chemistry (3)
	CHEM 495 Seminar: Advances in Chemistry (1)
	CHEM 496 Seminar: Advances in Chemistry (1)
	CHEM 4XX Advanced lecture elective (400 level)
MAT 1710 Calculus and Analytic Geometry I (4)	MATH 122 University Calculus I (4)
MAT 1720 Calculus and Analytic Geometry II (4)	MATH 123 University Calculus II (4)
PHY 1710 Analytical Physics I (4)	PHYS 230/232 University Physics I (5)
PHY 2710 Analytical Physics II (4)	PHYS 231/233 University Physics II (5)
	Additional Requirements – Track I (Standard Major)
	Independent Lab Research OR (3) 400 level Advanced Lecture elective
	Additional Requirements – Track II (A.C.S. Approved Major)
	BIOL 333 Biochemistry or (3) CHEM 333 Biochemistry Independent Lab research
	CHEM 472 Inorganic Chemistry Laboratory or (1-2) CHEM 334 Biochemistry Lab or CHEM 465 Advanced Experimental Biochemistry

Table 2. CCC Requirements

Jamestown Community College	Fredonia
SUNY GER Math (Fredonia BS Chemistry degree requirements will fulfill this requirement)	SUNY GER Math (Fredonia BS Chemistry degree requirements will fulfill this requirement)
SUNY GER Natural Sciences (Fredonia BS Chemistry degree requirements will fulfill this requirement)	SUNY GER Natural Sciences (Fredonia BS Chemistry degree requirements will fulfill this requirement)
SUNY GER Social Sciences (3)	SUNY GER Social Sciences (3)
SUNY GER American History (3)	SUNY GER American History (3)
SUNY GER Western Civilization (3)	SUNY GER Western Civilization (3)
SUNY GER Other World Civilizations (3)	SUNY GER Other World Civilizations (3)
SUNY GER Humanities (ENG 1540 Writing About Literature will fulfill this requirement) (3)	SUNY GER Humanities (3)
SUNY GER Arts (3)	SUNY GER Arts (3)
SUNY GER Foreign Language (3)	SUNY GER Foreign Language (3)
SUNY GER Basic Communication (ENG 1530 College Composition I will fulfill this requirement) (3)	SUNY GER Basic Communication (3)
Fredonia Social Sciences second prefix requirement (3)	Fredonia Social Sciences second prefix requirement (3)
Fredonia Natural Sciences second prefix requirement (Fredonia BS Chemistry degree requirements will fulfill this requirement)	Fredonia Natural Sciences second prefix requirement (Fredonia BS Chemistry degree requirements will fulfill this requirement)

Duration of Agreement

This agreement will become effective in fall 2014 and shall be reviewed every three years, or earlier if significant changes are made in either the JCC or the Fredonia program.