

Fredonia – Jamestown Community College

Articulation Agreement in Biology

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) Biology degree program at 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 Biology degree at Fredonia within four additional full-time semesters, taking 15-18 credits per semester. Fredonia will accept up to 75 JCC credits from courses listed in Tables 1-2 and courses transferred as additional electives toward fulfillment of the requirements for the BS Biology 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.
- 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 Biology Requirements

Jamestown Community College	Fredonia
	Core Program
BIO 1580 Principles of Biology I (4 credit hours) or BIO 2670 Botany	BIOL 131/132 Introductory Ecology and Evolution (4 credit hours)
BIO 1570 Principles of Biology I (4) or BIO 1575 Biology: A Molecular Approach	BIOL 133/134 Introductory Cell and Molecular Biology (4)
BIO 2560 Genetics (4)	BIOL 237/238 Genetics (4)
BIO 2660 Zoology (4)	BIOL 243/244 Organismal Biology (4)
	BIOL 330/331 Ecology (4)
	BIOL 333/334 Biochemistry (4)
	BIOL 491 Senior Capstone Research OR BIOL 492 Senior Capstone Internship or BIOL 493 Senior Capstone Course (0-6)
Courses equivalent to Fredonia 300-400 level (12)	300-400 level Biology electives (12) Students must take 9 of their 12 upper level biology electives at Fredonia.
Biology electives BIO 2840 Immunology BIO 2550 Conservation Biology Bio 2531/232 Microbiology and Lab BIO 2640 Animal Behavior	BIOL 3TR BIOL 421 Biological Conservation BIOL 338 Microbiology BIOL 446 Animal Behavior
	Required supporting coursework
CHE 1550 College Chemistry I (4)	CHEM 115/125/General Chemistry I (4)
CHE 1560 College Chemistry II (4)	CHEM 116/126/General Chemistry I (4)
CHE 2530 Organic Chemistry I (4)	CHEM 215/225 Organic Chemistry II (4)
CHE 2540 Organic Chemistry II (4)	CHEM 216/226 Organic Chemistry II (4)
MAT 1540 Elementary Statistics (3)	Approved Biochemistry degree substitute for STAT 250 Statistics for Scientists (3)
PHY 1610 General Physics I and PHY 1620 General Physics II or PHY 1710 Analytical Physics I and PHY 2710 Analytical Physics II (8)	PHYS 121/123 College Physics I and PHYS 122/124 College Physics II or PHYS 230/232 University Physics I and PHYS 231/233 University Physics II (8)

Table 2. CCC Requirements

Jamestown Community College	Fredonia
SUNY GER Math (Fredonia BS Biology degree requirements will fulfill this requirement)	SUNY GER Math (Fredonia BS Biology degree requirements will fulfill this requirement)
SUNY GER Natural Sciences (Fredonia BS Biology degree requirements will fulfill this requirement)	SUNY GER Natural Sciences (Fredonia BS Biology 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 Biology degree requirements will fulfill this requirement)	Fredonia Natural Sciences second prefix requirement (Fredonia BS Biology degree requirements will fulfill this requirement)

Chemistry and mathematics courses should be completed by the end of the sophomore year, physics courses by the end of the junior year. If time permits, students can take physics at JCC.