

SUNY Fredonia-Jamestown Community College Articulation Agreement in Chemistry

By this agreement, students who complete an Associate in Science degree at Jamestown Community College are guaranteed admission with full junior standing to the Bachelor of Science in Chemistry degree program at SUNY Fredonia. By completing the AS degree (with specified coursework including 7/10 SUNY General Education Requirements at JCC), such students will be able to complete their BS degree at SUNY Fredonia within 4 additional full-time semesters, taking 15-18 credits per semester.

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

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

- 1) Students are required to complete 2 courses, with 2 different prefixes, in the social sciences. Only one course may be from business administration, education, history, communication or speech.
- 2) Students are required to complete 2 courses, with two different prefixes, in the natural sciences. For the Chemistry degree, this will be completed through the major.
- 3) The CCC includes a speaking intensive requirement. This will be fulfilled if students complete the SUNY General Education basic communication requirement at JCC.
- 4) The CCC includes a 6 credit upper-level requirement, which must be completed at Fredonia.

Suggested Coursework at JCC: Appendix A lists courses that students must take at JCC to guarantee the opportunity to earn the bachelor's degree in four semesters at SUNY Fredonia.

APPENDIX A – JCC/SUNY FREDONIA EQUIVALENT COURSES

Chemistry

Jamestown CC Courses	SUNY Fredonia Equivalent Courses
ENG 1530 English Composition II (3 credit hours)	ENGL 100 College Composition (3 credit hours)
ENG 1540 Writing about Literature (3)	ENGL 099 Non-Major Transfer Elective (3)
Social Sciences - 2 courses in 2 different disciplines (6)	Social Sciences - 2 courses in 2 different disciplines (6)
CHE 1550 College Chemistry I (4)	CHEM 115/125 General Chemistry I & Lab (4) (core requirement)
CHE 1560 College Chemistry II (4)	CHEM 116/126 General Chemistry II & Lab (4) (core requirement)
CHE 2530 Organic Chemistry I (4)	CHEM 215/225 Organic Chemistry I & Lab (4) (core requirement)
CHE 2540 Organic Chemistry II (4)	CHEM 216/226 Organic Chemistry II & Lab (4) (core requirement)
Choose one of the following: CSC 1560 Microcomputer Applications I OR CSC 1680 Introduction to Visual BASIC OR CSC 1710 Scientific Programming (3-4)	Choose one of the following: CSIT 104 Introduction to Microcomputer Software OR CSIT 105 Visual BASIC OR CSIT 106 Scientific Programming Using C++ (3) (core requirement)
MAT 1710 Calculus and Analytic Geometry I (4)	MATH 122 University Calculus I (4) (core requirement)
MAT 1720 Calculus and Analytic Geometry II (4)	MATH 123 University Calculus II (4) (core requirement)
Mathematics elective – Any course having MAT 1710 or MAT 1720 as a prerequisite (3-4)	Mathematics elective – Any course having MATH 122 or MATH 123 as a prerequisite (3-4) (core requirement for Track II – A.C.S. Approved Major)
PHY 1710 Mechanics (4)	PHYS 230/232 University Physics I & Lab (5) (core requirement)
PHY 2710 Electricity and Magnetism (4)	PHYS 231/233 University Physics II & Lab (5) (core requirement)
Electives* 8-10	Electives* 7-8

Note regarding Electives:

Students should first choose electives to fulfill remaining SUNY General Education Requirements (7/10 at JCC required).