## Fredonia - Jamestown Community College Articulation Agreement in Applied Mathematics

By this agreement, students who complete an associate's degree at Jamestown Community College (JCC) including CSC 1590 and MAT 1710, 1720, 2650, and 2670 are guaranteed admission with full junior standing to the Bachelor of Science (BS) Applied Mathematics degree program at SUNY Fredonia (Fredonia). By completing the associate's degree with the above courses and also completing at least seven of the ten SUNY General Education (GER) requirements at JCC, such students should be able to complete their B.S. degree at Fredonia within four additional full-time semesters, taking a minimum of 15 credits per semester. Fredonia will accept up to 75 total JCC credits from courses listed in Table 1 and courses transferred as additional electives toward fulfillment of the requirements for the BS Applied Mathematics degree.

GPA Criteria: 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. The mathematics major at Fredonia requires, as one of those two courses, either CHEM 115/125 General Chemistry I Lecture/Lab (JCC students take the equivalent course CHE 1550 College Chemistry I) or PHYS 230/232 University Physics I Lecture/Lab (JCC students take the equivalent course PHY 1710 Analytical Physics I).
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.

Applied mathematics majors are encouraged to take additional courses in computer science consistent with their career and educational goals.

Students may double major in Applied Mathematics and Mathematics, Applied Mathematics and Mathematics Adolescence Education, or Applied Mathematics and Mathematics-Middle Childhood by completing all requirements for both majors.

## TABLE 1 - JCC/FREDONIA EQUIVALENT COURSES FOR B.S. APPLIED MATHEMATICS


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\begin{array}{|lr|ll|l|}\hline \begin{array}{l}\text { And Additional Courses for Applied } \\
\text { Mathematics/Finance and Economics Track: }\end{array} & \begin{array}{l}\text { And Additional Courses for Applied } \\
\text { Mathematics/Finance and Economics Track: }\end{array}
$$ <br>
\hline BUS 1510 Principles of Financial Accounting \& 4 \& ACCT 201 Principles of Financial Accounting \& 3 <br>

\hline BUS 1520 Principle of Managerial Accounting \& 4 \& ACCT 202 Principles of Managerial Accounting\end{array}\right]\)| 3 |
| :--- |
| ECO 2610 Macroeconomic Principles |
| ECO 2620 Microeconomic Principles |

Students must earn a B or better in MAT 2670 Linear Algebra and MAT 1670 Discrete Math to earn credit for the equivalent math courses at Fredonia.

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 to either the JCC or the Fredonia program.

