

Master of Science in Professional Applied and Computational Mathematics

SUNY Buffalo State Xi'an Jiaotong University City College

3+2 Program

This document describes the requirements for admission for students at Xi'an Jiaotong University City College (XJTUCC) to the SUNY Buffalo State – XJTUCC 3+2 program for the Master of Science (M.S.) program in Professional Applied and Computational Mathematics (PACM). The requirements described here are specific to the M.S. – PACM program, and are in addition to general requirements for the 3+2 program.

For admission to the Buffalo State – XJTUCC 3+2 M.S. – PACM program, students must have completed or demonstrated the following:

1. Courses in
 - Single and Multivariable Calculus
 - Differential Equations
 - Linear Algebra
 - Discrete Mathematics
 - Calculus based Probability
 - Calculus based Statistics
2. Knowledge of a standard programming language such as C++, Java, Fortran, Maple or Mathematica.
3. Students must be enrolled in a Bachelor's degree program at XJTUCC.

The requirements for admission listed here are for XJTUCC students in the 3+2 program only.