ARTICULATION AGREEMENT

The University of Pittsburgh at Bradford
and
Jamestown Community College

The University of Pittsburgh at Bradford (UPB) and Jamestown Community College (JCC) set forth the conditions upon which UPB will consider graduates of the Associate in Science: Liberal Arts and Sciences: Mathematics and Science program at JCC for admission into UPB’s Bachelor of Science in Applied Mathematics program. This document sets forth those conditions, which the parties hereby agree to.

A. Rationale for the purpose of the articulation agreement

This agreement applies only to the Associate in Science: Liberal Arts and Sciences: Mathematics and Science program that is currently constituted and delivered at JCC as of the 2000 - 2001 academic year. The purpose of this agreement is to make available to the Associate in Science: Liberal Arts and Sciences: Mathematics and Science graduates of JCC the opportunity to pursue a Bachelor of Science in Applied Mathematics.

B. Description of how the agreement may be renewed or terminated

1. JCC agrees to promptly notify UPB upon any substantive curriculum modification to the Associate in Science: Liberal Arts and Sciences: Mathematics and Science program, and further agrees that the terms of this agreement will no longer hold unless UPB provides a written approval that the curriculum changes do not alter the intent of this agreement.

2. UPB agrees to provide JCC with information about the Bachelor of Science in Applied Mathematics program of study and any changes to the curriculum, should they occur. Conditions for admission into the Bachelor of Science in Applied Mathematics program are stipulated in section C of this document.

3. The terms of this agreement shall remain in effect, except as stipulated in certain previous terms as listed herein, until terminated by either party. Any party may terminate the agreement with or without cause, on the provision of 120 days written notice to the other parties.

C. Admission requirements and transfer of academic credits

1. UPB agrees that graduates of the Associate in Science: Liberal Arts and Sciences: Mathematics and Science program meet the admissions standards of the Bachelor of Science in Applied Mathematics program given that they satisfy the following conditions:

a. Successful completion of 60 transferable credits with a grade of "C" = 2.0 grade points or better:

b. A cumulative grade point average (GPA) of 2.5 or better.

c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC’s Associate in Science: Liberal Arts and Sciences: Mathematics and Science graduates who meet the above admissions standards and complete the application and deposit requirements by May 1 will be admitted into the Bachelor of Science in Applied Mathematics program.

JCC students who complete the required and recommended courses in this agreement with grades of "C-" or higher will be admitted to UPB with junior standing. JCC students who enter UPB with the appropriate courses, maintain full-time enrollment of 15-18 credits, register for recommended courses, and earn grades of "C" or higher will fulfill graduation requirements for the BA or BS degree in four semesters at UPB.
D. Courses to be transferred and courses remaining for completion of the Bachelor of Science in Applied Mathematics

<table>
<thead>
<tr>
<th>Courses required from Jamestown Community College</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 153: College Composition</td>
<td></td>
</tr>
<tr>
<td>ENG 154: Writing About Literature</td>
<td></td>
</tr>
<tr>
<td>MAT 171: Calculus and Analytic Geometry I</td>
<td></td>
</tr>
<tr>
<td>MAT 172: Calculus and Analytic Geometry II</td>
<td></td>
</tr>
<tr>
<td>MAT 265: Intermediate Calculus</td>
<td></td>
</tr>
<tr>
<td>MAT 267: Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MAT 268: Ordinary Differential Equations</td>
<td></td>
</tr>
</tbody>
</table>

A two semester sequence in laboratory science

* Computer Science Elective (*CSC 150 or higher*)

* Choose one of the following (*ANT 151, ANT 152, ANT 153, ANT 252*)

Social Sciences Electives (6 credits)

Career or other Liberal Arts/Sciences Electives (16 credits) (choose at least one HIS course and one ENG Literature course)

* Specific elective

Courses required from the University of Pittsburgh at Bradford to complete the BS in Applied Mathematics

**General Education Requirements**
- Arts and Letters (6 credits)
- Behavioral, Economic, and Political Sciences (3 credits)
- Upper-Level Euro-American History, Culture, or Philosophical Inquiry (3 credits)
- Life or Physical Sciences (3 credits: choose a category different from the sequence in laboratory science at JCC)
- Physical Education (1 credit)
- Senior Colloquium (3 credits)
- Electives (11-12 credits)

**Major Courses**
- MATH 1303 Mathematical Modeling
- MATH 1308 Numeric Analysis
- MATH 1309 Applied Probability and Statistics
- MATH 1315 Advanced Differential Equations
- MATH 1318 Introduction to Analysis
- MATH 1452 Capstone: Mathematics
- MATH 1455 Writings in the History of Mathematics
- Mathematics upper-level elective (3 credits)

**Other Required Courses**
- CS 1304 Introduction to Simulation or CS1316 Computer Linear Algebra

<table>
<thead>
<tr>
<th>Total upper level credits</th>
<th>30 minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total credits</td>
<td>120-121</td>
</tr>
</tbody>
</table>