

**JAMESTOWN COMMUNITY COLLEGE & UNIVERSITY OF PITTSBURGH
AT BRADFORD TRANSFER MASTER AGREEMENT and
APPLIED MATHEMATICS
COURSE EQUIVALENCIES**

The University of Pittsburgh at Bradford (UPB) and Jamestown Community College (JCC) set forth the conditions upon which UPB will guarantee admission of students from JCC into UPB's baccalaureate programs. This document sets forth those conditions, which the parties hereby agree to. The requirements that follow apply to all programs at UPB unless otherwise noted.

A. Overview of the agreement

This agreement applies to courses delivered at JCC as of the 2018-2019 academic year. Its purpose is to provide JCC students the opportunity to pursue a Bachelor of Arts (BA), Bachelor of Science (BS), or Bachelor of Science Nursing (BSN) degree at UPB.

B. Provisions for review and termination

1. JCC agrees to promptly notify UPB upon any substantive modification to courses listed in this document, and further agrees that the terms of this agreement will no longer hold unless UPB provides written approval that the curriculum changes do not alter the intent of this agreement.

2. UPB agrees to provide JCC with information about UPB's programs of study and any changes to the curriculum, should they occur. Conditions for admission 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. Either party may terminate the agreement with or without cause, on the provision of 120 days written notice to the other party.

C. Admission requirements, transfer of credits, and opportunity to graduate

1. UPB agrees that students from JCC will be admitted to their choice of degree program from among those outlined in this document given that they satisfy the following conditions:

- a. Completion of up to 75 transferable credits with a minimum grade of "C" = 2.00 in each transferred course.
- b. A minimum cumulative grade point average (GPA) of 2.5 [2.6 for Biology Education (7-12); Business, Computer and Information Technology (PK-12); Chemistry Education (7-12); Early Level Education (PK-4); English Education (7-12), Health and Physical Education (PK-12); Mathematics Education (7-12); and Social Studies Education (7-12)].
- c. Students must meet UPB conduct standards in regard to known behavioral problems.
- d. Students must complete the application and deposit requirements by May 1.

JCC students who transfer a minimum of 60 credits with minimum grades of "C" will be admitted to UPB with junior standing. JCC students who enter UPB with at least 54 credit hours that fulfill requirements for any degree program outlined in this document, maintain full-time enrollment of 15-18 credits, register for recommended courses, and earn minimum grades of "C" will fulfill graduation requirements for the bachelor's degree in four full-time fall and spring semesters at UPB unless otherwise specifically noted in this agreement.

Bachelor of Science in Applied Mathematics

A minimum of 120 credits are required, 30 of which must be upper-level.

General Education Requirements

Some courses may also count toward major requirements, and some majors require specific General Education courses to fulfill degree requirements. See the curriculum sheets beginning on page 5 for detailed degree requirements.

Written Literacy 6 credits

ENG 0101 English Composition I

-JCC: ENG 1510

ENG 0102 English Composition II

-JCC: ENG 1530

Note: -JCC: ENG 1530 and ENG 1540 will also fulfill the 6-credit Pitt-Bradford Written Literacy requirement.

Mathematics 3-4 credits

MATH 0098 College Algebra II or designated higher-level math course.

-JCC: MAT 1710 (see the major requirements)

Freshman Seminar 3 credits

Students matriculating at Pitt-Bradford with fewer than 18 hours of college credit are required to enroll in Freshman Seminar during their first semester. Students enrolling in associate-degree, pre-engineering, or pre-pharmacy programs are exempt from this requirement.

The Human Experience

The Human Experience is Pitt-Bradford's General Education program. It is important that in addition to the depth and breadth of knowledge acquired in a student's major discipline of study, every student must have an appreciation and understanding of the many other fields of study that affect our understanding of the human experience. The college's General Education program is designed to provide that appreciation and understanding, as well as the foundation skills essential for academic success and lifelong learning. The Human Experience comprises these five subcategories: I. Arts and Letters; II. Behavioral, Economics, and Political Sciences; III. History, Culture, and Philosophical Inquiry; IV. Physical, Life, and Computational Sciences; and V. Physical Education.

Students who matriculate and enroll beginning with the Fall of 2013 are required to complete two courses designated as "Global" part of the Human Experience curriculum. This replaces the previous Non-Western requirements.

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2560, ANT/SOC 2590, ART 1550, BIO 1550, BIO 2550, BIO/PHL 2570, BUS 1650, CMM 1570, CMM 2580, CMM 2610, ECO 1530, EDU 2460, ENG 2510, ENG 2520, ENG 2730, GEO 1520, GLS 1500, HIS 1510, HIS 1520, HIS 2590, INE 2730, NUR 1510, PHL 2550, PHL 2630, POL 1520, POL 2860, SPA 2560, REL 2580, RUS 2560, SOC 1510, SOC 2510, SOC 2520, SOC 2540, SOC 2560, SOC 2580, SPA 2550, SPA 2560

I. Arts and Letters 9 credits

Must include at least one course in literature, and at least one course in the creative, fine, and performing arts.

Literature (GE: Literature)

-JCC: EDU/ENG 2440, EDU/ENG 2650, ENG 1540 (if ENG 1510 and ENG 1530 are taken), ENG 2510, ENG 2520, ENG 2530, ENG 2550, ENG 2560, ENG 2580, ENG 2590, ENG 2610, ENG 2620, ENG 2830, ENG 2850, ENG 2870, SPA 2530, THE 1510, THE 1520

Creative, Fine, and Performing Arts (GE: Arts)

-JCC: 3 credits in any ART, DAN, MUS, or THE course(s) or ENG 2540, ENG 2890

Foreign Languages (GE: Language)

-JCC: ARA 1510, ARA 1520, ASL 1510, ASL 1520, FRE 1510, FRE 1520, FRE 2510, FRE 2520, RUS 1510, SPA 1510, SPA 1520, SPA 2510, SPA 2520, SPA 2550

II. Behavioral, Economics, and Political Sciences 9 credits

Courses must be selected from at least two different categories (the categories are behavioral sciences, economics, and political science).

Behavioral Sciences (GE: Behavioral Sciences)

-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 2520, SOC 2540, SOC 2560, SOC 2580

Economics (GE: Economics)

-JCC: ECO 1530, ECO 2610, ECO 2620

Political Science (GE: Political Science)

-JCC: CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 2530, POL 2570, POL 2860

III. History, Culture, and Philosophical Inquiry 9 credits

Note: at least one history course is required, and at least one course from either of the other two categories (Culture or Philosophical Inquiry).

History (GE: History)

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2100, HIS 2560, HIS 2570, HIS 2590, HIS 2600, HIS 2610

Cultures (GE: Cultures)

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2730,

Philosophical Inquiry (GE: Philosophy)

-JCC: PHL 1510, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

IV. Physical, Life, and Computational Sciences 10 credits

Must include one course each in physical sciences and life sciences, one of which must have a laboratory.

Physical Sciences (GE: Physical Sciences)

-JCC: AST 1510, CHE 1500, CHE 1530, CHE 1550, CHE 1560, CHE 2530, CHE 2540, GLG 1510, GLG 1520, GLG 1550, GLG 1640, GLG 1810, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2510, PHY 2710, PHY 2720

Life Sciences (GE: Life Sciences)

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1550, BIO 1570, BIO 1575, BIO 1580, BIO 1710, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2531/2532, BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830

Computational Sciences (GE: Computational Sciences)

-JCC: MAT 1710 (required for the major)

V. Physical Education 1 credit

One course in Physical Education (GE: Physical Education).

-JCC: Any PHE course or CRI 1290

Course Requirements in the Major

MATH 0135 Discrete Mathematics

-JCC: *MAT 1670*

MATH 0140 Calculus I

-JCC: *MAT 1710*

MATH 0150 Calculus II

-JCC: *MAT 1720*

MATH 0201 Calculus III

-JCC: *MAT 2650*

MATH 0202 Ordinary Differential Equations

-JCC: *MAT 2680*

MATH 0206 Linear Algebra

-JCC: *MAT 2670*

MATH 1303 Mathematical Modeling

MATH 1309 Applied Probability and Statistics

MATH 1312 Abstract Algebra & Number Theory

MATH 1318 Introduction to Analysis

MATH 1452 Capstone: Mathematics

PHYS 0201 Foundations of Physics 1

-JCC: *PHY 1510*

Other Required Courses:

MATH 1320 Operations Research

MATH 1317 Introduction to Scientific Computation