

Transfer Master Agreement

Between

The University of Pittsburgh at Bradford

and

Jamestown Community College

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## Transfer Master 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 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. Rationale for the purpose of the agreement

This agreement applies to courses that are currently constituted and delivered at JCC as of the 2010 - 2011 academic year. The purpose of this agreement is to make available to students of JCC the opportunity to pursue a Bachelor of Arts or Bachelor of Science degree, or the Bachelor of Science degree in Nursing.

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

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 a 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. 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 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. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 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.
  - d. Students must complete the application and deposit requirements by May 1.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher 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 grades of "C" or higher will fulfill graduation requirements in four full-time fall and spring semesters at UPB unless otherwise specifically noted.

This agreement constitutes the entire agreement and terms of understanding among the parties named herein and supersedes any prior agreements or understandings among the parties.

UPB and JCC have entered this agreement on the date indicated and witnessed by the signatures below:

\_\_\_\_\_  
Robert A. Phillips, Transfer Articulation Coordinator

\_\_\_\_\_  
date

\_\_\_\_\_  
Marilyn A. Zagora, Vice President and Dean of Academic Affairs

\_\_\_\_\_  
date

\_\_\_\_\_  
Steven E. Hardin, Vice President and Dean of Academic Affairs

\_\_\_\_\_  
date

\_\_\_\_\_  
James L. Baldwin, Assistant Dean of Academic Affairs and Registrar

\_\_\_\_\_  
date

## General Education Requirements Summary

### General Education Requirements

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

#### **Written Literacy 6 credits**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics 3-4 credits**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

#### **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.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

#### **I. Arts and Letters 9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

##### **Foreign Languages (GE: Language)**

*-JCC: ARA 1510, ARA 1520, ASL 1510, ASL 1520, FRE 1510, FRE 1520, FRE 2510, FRE 2520, GER 1510, 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 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580

### **Economics (GE: Economics)**

-JCC: ECO 1530, ECO 2610, ECO 2620

### **Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

## **III. History, Culture, and Philosophical Inquiry 9 credits**

*Note: at least one History course is required, and two areas must be met.*

### **History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

### **Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

### **Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

## **IV. Physical, Life, and Computational Sciences 9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

### **Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

### **Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

## **V. Physical Education 1-3 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

## Bachelor of Science in Accounting

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

Please note that the major requires Applied Calculus

*-JCC: MAT 1630, MAT 1640, MAT 1710, MAT 1720*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540 (Statistics required)*

**Physical Education**

**2-3 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*

ACCT 0202 Managerial Accounting Concepts

*-JCC: BUS 1520*

ACCT 1301 Intermediate Accounting I

ACCT 1302 Intermediate Accounting II

ACCT 1312 Intermediate Accounting III

ACCT 1303 Strategic Cost Management

ACCT 1304 Federal Income Taxes

ACCT 1306 Federal Corporate Income Taxes

ACCT 1320 Accounting Information Systems

ACCT 1305 Auditing

ACCT 1401 Advanced Accounting



**OTHER BUSINESS COURSEWORK**

ECON 0102 Microeconomic Principles

-JCC: *ECO 2610*

ECON 0103 Macroeconomic Principles

-JCC: *ECO 2620*

ECON 0204 Statistical Methods

-JCC: *MAT 1540* (Statistics required)

FIN 1301 Corporate Finance

-JCC: *BUS 2510*

FIN 1302 Investments **or** FIN 1303 Analysis of Financial Statements

MIS 0103 Microcomputing for Management

-JCC: *CSC 1560*

MIS 0208 Business Information Systems

MRKT 1301 Principles of Marketing

-JCC: *BUS 2550*

MGMT 0110 Principles of Management

-JCC: *BUS 2570*

MGMT 1304 Business Law

-JCC: *BUS 2530, BUS 2540*

MGMT 1451 Capstone Strategic Management

**COURSE WORK OUTSIDE THE MAJOR**

MATH 0136 Applied Calculus

-JCC: *MAT 1630, MAT 1640, MAT 1710, MAT 1720*

COMM 0104 Public Speaking

-JCC: *CMM 1610*

## Bachelor of Science in Applied Mathematics

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540

### Mathematics

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

-JCC: MAT MAT 1710 (see the major requirements)

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580

### 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: 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, INT 2530, INT 2540, 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, HUS 2480

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580

#### **Economics (GE: Economics)**

-JCC: ECO 1530, ECO 2610, ECO 2620

#### **Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1710 (required for the major)*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major requirements**

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 1308 Numerical Analysis

MATH 1309 Applied Probability and Statistics

MATH 1315 Advanced Differential Equations

MATH 1318 Introduction to Analysis

MATH 1452 Capstone: Mathematics

Mathematics upper-level elective (3 credits)

Other required courses:

CS 0101 Introduction to Computer Science

or CS 0106 Computational Methods  
-JCC: *CSC 1510, CSC 1570, CSC 1590*  
CS 1304 Introduction to Simulation  
or CS 1316 Computational Linear Algebra

## Bachelor of Science in Biology

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

MATH 0132, 0136 or 0140 Precalculus, Applied Calculus, or Calculus

*-JCC: MAT 1600, MAT 1630, MAT 1710*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

**Economics (GE: Economics)**

-JCC: ECO 1530, ECO 2610, ECO 2620

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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: CHE 1550, CHE 1560 (courses are required for the major)

**Life Sciences (GE: Life Sciences)**

-JCC: BIO 1570 or BIO 7505 (Biology: A Molecular Approach), BIO 1580 (or both BIO 2660 and BIO 2670 – 8 credits - can replace BIO 1580) (courses are required for the major)

**Computational Sciences (GE: Computational Sciences)**

N/A

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

BIOL 0101 Introduction to Cell and Molecular Biology

-JCC: BIO 1570

BIOL 0102 Introduction to Biodiversity

-JCC: BIO 1580

BIOL 0203 Genetics

-JCC: BIO 2560

BIOL 0217 Principles of Ecology and Evolution

BIOL 1451 Capstone

BIOL 1453 Senior Seminar

Upper-level Biology Electives (two of which must include a lab): 16 credits

Other required courses

CHEM 0101 and 0102 General Chemistry I and II

-JCC: CHE 1550, CHE 1560

CHEM 0206 and 0207    Organic Chemistry I with Lab  
-JCC: CHE 2530

The mathematic requirement may be satisfied by taking any one of the following: MATH 0132, 0136, or 0140  
Precalculus, Applied Calculus, OR Calculus I  
-JCC: MAT 1600, MAT 1630, MAT 1710

The physics requirement may be satisfied by taking any of the following:  
PHYS 0101, 0102, 0103, 0201, or 0202 Introduction to Physics I, Introduction to Physics II, Concepts of Modern  
Physics, Foundations of Physics I, OR Foundations of Physics II  
-JCC: PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710

Students interested in applying to schools of chiropractic, dentistry/dental medicine, medicine, optometry, podiatry,  
and veterinary medicine must complete one year of Organic Chemistry with labs (CHEM 0206, 0207, 0208, and  
0209); one year of General Physics with labs (PHYS 0101 and 0102 or 0201, 0202, 0203, and 0204); and one  
semester of Calculus (Math 0140).

## Bachelor of Science in Biology Education (7-12) program

Due to the certification requirements of the biology education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### C. Admission requirements and transfer of academic credits

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Biology Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Biology Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Biology Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*



**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

**Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

**Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

**Behavioral, Economics, and Political Sciences**

**9 credits**

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

**Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

**Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences****9-12 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: CHE 1550, CHE 1560 (courses are required for the major)*

**Life Sciences (GE: Life Sciences)**

*-JCC: BIO 1570 or BIO 7505 (Biology: A Molecular Approach), BIO 1580 (or both BIO 2660 and BIO 2670 – 8 credits - can replace BIO 1580) (courses are required for the major)*

**Computational Sciences (GE: Computational Sciences)**

*N/A*

**Physical Education****1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

BIOL 0101 Introduction to Cell and Molecular Biology

*-JCC: BIO 1570*

BIOL 0102 Introduction to Biodiversity

*-JCC: BIO 1580*

BIOL 0203 Genetics

*-JCC: BIO 2560*

BIOL 0217 Introduction to Ecology & Evolution

BIOL 1451 Capstone/Upper-Level Writing

BIOL 1453 Senior Seminar

Upper Level Biology Electives (8 credits)

CHEM 0101 and 0102 General Chemistry I and II

*-JCC: CHE 1550, CHE 1560*

MATH 0132 or 0136 or 0140

*-JCC: MAT 1600, MAT 1630, MAT 1710*

MATH (Second college-level math required)

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

PHYS 0101 or 0102 or 0103 or 0201 or 0202

*-JCC: PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710*

EDUC 0204 Introduction to Education

*-JCC: EDU 1510*

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law

EDUC 1301 Instructional Technology

EDUC 1307 Secondary Methods

EDUC 1325 Development of Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1330 Educating Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1350 Educational Psychology and Measurement

EDUC 1378 Reading & Writing in Content Curriculum

EDUC 0210 Education Practicum I

EDUC 1310 Education Practicum 2  
EDUC 1410 Education Practicum 3  
EDUC 1481 Student Teaching

## Bachelor of Arts in Broadcast Communications

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, SPA 2530, THE 1510, THE 1520 (Please note that THE 1510 is required in the major).*

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

*-JCC: 3 credits in any ART, DAN, MUS, or THE course(s) or ENG 2540, ENG 2890, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580 (Please note that CMM 1510 is required in the major).*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540 (Statistics required)*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

COMM 0102 Survey of Broadcasting

*-JCC: CMM 1650*

COMM 0103 Broadcast Journalism

COMM 0202 Radio Production Workshop

*-JCC: CMM 7506 (Introduction to Radio/Introduction to Radio Fieldwork)*

COMM 0203 Introduction to Television Production

*-JCC: CMM 1630*

COMM 1301 Advanced Television Production

COMM 1302 Media Advertising

COMM 1401 Broadcast Programming and Management

COMM 1403 Current Issues in Mass Media

COMM 1451 Capstone: Communications

COMM 0101 Introduction to Human Communication

or COMM 0104 Public Speaking

*-JCC: CMM 1510 or CMM 1610*

COMM 0201 The Mass Media and Society

*-JCC: CMM 2610*

COMM 0210 Social Media Communication

Required minor (*Transfer students who have earned a previous degree do not need to complete a minor.*)

## **Bachelor of Science in Business, Computer and Information Technology K-12 program**

Due to the certification requirements of the Business, Computer and Information Technology K-12 program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Business, Computer and Information Technology K-12 program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Business, Computer and Information Technology K-12 program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Business, Computer and Information Technology K-12

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

Please note that the major requires Applied Calculus

*-JCC: MAT 1630, MAT 1710*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: Take ECO 1530, ECO 2610, or ECO 2620 for the major*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

### **History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

#### **History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

#### **Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

#### **Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

## Physical, Life, and Computational Sciences

9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

### Life Sciences (GE: Life Sciences)

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

### Computational Sciences (GE: Computational Sciences)

*-JCC: MAT 1540 (required for the major)*

## Physical Education

1 credits

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

## Major Requirements

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*

ACCT 0202 Managerial Accounting Concepts

*-JCC: BUS 1520*

ECON 0101 Economics in the Modern World

*-JCC: ECO 1530, ECO 2610, ECO 2620*

ECON 0204 Statistics

*-JCC: MAT 1540 (Statistics required)*

FIN 1301 Corporate Finance

*-JCC BUS 2510*

MATH 0136 Applied Calculus

*-JCC: MAT 1630, MAT 1640, MAT 1710, MAT 1720*

MATH (Second college-level math required)

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

MIS 0103 Microcomputing for Management

*-JCC: CSC 1560*

MIS 0208 Business Information Systems

MGMT 0110 Principles of Management

*-JCC: BUS 2570*

MRKT 1301 Marketing

*-JCC: BUS 2550*

MGMT 1304 Business Law

*-JCC: BUS 2530, BUS 2540*

MGMT 1401 Business in Society & International Management

MGMT 1451 Capstone/Upper-Level Writing

Business Management Elective

*-JCC: BUS courses not used in the major*

EDUC 0204 Introduction to Education

*-JCC: EDU 1510*



EDUC 0215 English Language Learners  
EDUC 0220 Special Education Law  
EDUC 1301 Instructional Technology  
EDUC 1307 Secondary Methods  
EDUC 1325 Development of Exceptional Children  
-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)  
EDUC 1330 Educating Exceptional Children  
-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)  
EDUC 1350 Educational Psychology and Measurement  
EDUC 1378 Reading & Writing in Content Curriculum  
EDUC 0210 Education Practicum 1  
EDUC 1310 Education Practicum 2  
EDUC 1410 Education Practicum 3  
EDUC 1481 Student Teaching

## Bachelor of Science in Business Management

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

Please note that the major requires Applied Calculus

*-JCC: MAT 1630, MAT 1710*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: Take both ECO 2610, ECO 2620 for the major*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670*

**Physical Education**

**2-3 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

MGMT 0110 Principles of Management

*-JCC: BUS 2570*

MIS 0103 Microcomputing for Management

*-JCC: CSC 1560*

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*

ACCT 0202 Managerial Accounting Concepts

*-JCC: BUS 1520*

MIS 0208 Business Information Systems

FIN 1301 Corporate Finance

*-JCC BUS 2510*

MRKT 1301 Principles of Marketing

*-JCC: BUS 2550*

MGMT 1401 Business in Society and International Environment

MGMT 1451 Capstone Strategic Management

Business Management Electives at Pitt-Bradford: 9 upper-level credits

**OTHER REQUIRED COURSES**

ECON 0102 Microeconomic Principles

-JCC: *ECO 2610*

ECON 0103 Macroeconomic Principles

-JCC: *ECO 2620*

ECON 0204 Statistical Methods

-JCC: *MAT 1540* (Statistics required)

ECON 0206 Intermediate Microeconomics

MATH 0136 Applied Calculus

-JCC: *MAT 1630, MAT 1640, MAT 1710, MAT 1720*

COMM 0104 Public Speaking

-JCC: *CMM 1610*

## Bachelor of Science in Chemistry

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

Please note that the major requires Calculus

*-JCC: MAT 1710*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 credits**

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

**Physical Sciences (GE: Physical Sciences)**

Please note that the major requires Chemistry I

*-JCC: CHE 1550*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

Please note that the major requires Calculus II

*-JCC: MAT 1720*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

Course Requirements in the Major

CHEM 0101 General Chemistry I

*-JCC: CHE 1550*

CHEM 0102 General Chemistry II

*-JCC: CHE 1560*

CHEM 0201 Introduction to Analytical Chemistry

CHEM 0206, 0207 Organic Chemistry I

*-JCC: CHE 2530*

CHEM 0208, 0209 Organic Chemistry II

*-JCC: CHE 2540*

CHEM 1301 Physical Chemistry I

CHEM 1302 Physical Chemistry II

CHEM 1305 Analytical Instrumentation

CHEM 1451 Capstone: Chemistry

Chemistry upper-level electives

6-8

Other required courses:

MATH 0140 Calculus I

-JCC: *MAT 1710*

MATH 0150 Calculus II

-JCC: *MAT 1720*

MATH 0201 Calculus III

-JCC: *MAT 2650*

PHYS 0201 and 0203 Foundations of Physics I and lab

-JCC: *PHY 1610 or PHY 1710*

PHYS 0202 and 0204 Foundations of Physics II and lab

-JCC: *PHY 1620 or PHY 2710*

## **Bachelor of Science in Chemistry Education (7-12) program**

Due to the certification requirements of the Chemistry Education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Chemistry Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Chemistry Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Chemistry Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

Please note that the major requires Calculus

*-JCC: MAT 1710*



**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

### **History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

#### **History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

#### **Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

#### **Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

## Physical, Life, and Computational Sciences

9-12 credits

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

### Physical Sciences (GE: Physical Sciences)

Please note that the major requires Chemistry I

-JCC: CHE 1550

### Life Sciences (GE: Life Sciences)

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

### Computational Sciences (GE: Computational Sciences)

Please note that the major requires Calculus II

-JCC: MAT 1720

### Physical Education

1 credits

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

## Major Requirements

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

CHEM 0101 General Chemistry I

-JCC: CHE 1550

CHEM 0102 General Chemistry II

-JCC: CHE 1560

CHEM 0201 Introduction to Analytical Chemistry

CHEM 0206, 0207 Organic Chemistry I

-JCC: CHE 2530

CHEM 0208, 0209 Organic Chemistry II

-JCC: CHE 2540

CHEM 1301 Physical Chemistry I

CHEM 1302 Physical Chemistry II

CHEM 1305 Analytic Instrumentation

CHEM 1451 Capstone/Upper-Level Writing

MATH 0140 Calculus I

-JCC: MAT 1710

MATH 0150 Calculus II

-JCC: MAT 1720

PHYS 0201 and 0202 Foundations of Physics I and II

-JCC: PHY 1610/1620, PHY 1710/2710

EDUC 0204 Introduction to Education

-JCC: EDU 1510

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law

EDUC 1301 Instructional Technology

EDUC 1307 Secondary Methods

EDUC 1325 Development of Exceptional Children

-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)

EDUC 1330 Educating Exceptional Children

-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)

EDUC 1350	Educational Psychology and Measurement
EDUC 1378	Reading & Writing in Content Curriculum
EDUC 0210	Education Practicum 1
EDUC 1310	Education Practicum 2
EDUC 1410	Education Practicum 3
EDUC 1481	Student Teaching

# Bachelor of Science in Computer Information Systems and Technology (CIST)

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

## General Education Requirements

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540 (Statistics required)

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC.

**COURSES WITHIN THE MAJOR**

Course Requirements in the Major

CIST 0150 Programming Fundamentals

-JCC: CSC 1590

CIST 0161 Technology of Computing

-JCC: CSC 1580

CIST 0163 Introduction to Web Technology

-JCC: CSC 1630

CIST 0165 Networking I

-JCC: CSC 2510

CIST 0166 Networking II

CIST 0261 Computer Security

-JCC: CSC 2480

CIST 0262 Systems Administration  
-JCC: CSC 2470  
CIST 0265 Information Structures  
CIST 1307 Database Design and Management  
-JCC: CSC 2660  
CIST 1310 Systems Analysis and Design  
-JCC: CSC 2540  
CIST 1311 Electronic Commerce  
CIST 1325 Introduction to Supply Chain Management  
CIST 1408 Project Management in Information Technology  
CIST 1499 CIS&T Internship  
CIST 1451 Capstone

Choose 3 approved electives  
(See advisor for other approved electives)

CIST 1320 User Interface Design  
CIST 1401 Information Assurance  
CIST 1415 Data Mining  
CIST 1431 Multimedia Introduction and Application  
CIST 1301 Advanced Web Technologies

*Three credits of internship at JCC could be used as an elective for this requirement (CSC 2010-2020)*

Other required courses

MATH 0133 Statistics  
or ECON 0204

-JCC: MAT 1540

MATH 0135 Discrete Math  
-JCC: MAT 1670

## Bachelor of Arts in Criminal Justice

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

*Courses must be selected from at least two different categories (the categories are behavioral science, economics, and political science). As part of the requirements in the major, students will complete this category.*

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: PSY 1510, SOC 1510*

#### **Economics (GE: Economics)**

*N/A*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, POL 1510

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

ADMJ 0101 Introduction to Criminal Justice

-JCC: CRI 1510

ADMJ 0204 Police and Society

-JCC: CRI 1320

ADMJ 0206 Criminology

-JCC: SOC 2560

ADMJ 1320 Research Methods in Criminal Justice

ADMJ 1321 Law and Social Control in Society

ADMJ 1451 Capstone: Criminal Justice

ADMJ 1496 Field Placement or ADMJ 1497 Approved Directed Study

Other core requirements: choose three of the following four courses

SOC 0101 Introduction to Sociology

-JCC: SOC 1510



- PS 0102 American Political Process  
 -JCC: *POL 1510*
- PS 0205 Law and the Courts  
 -JCC: *CRI 1540*
- PSY 0101 Introduction to Psychology  
 -JCC: *PSY 1510*

#### Area Requirements in Criminal Justice

Students must take six additional courses (18 credits), including at least two from each of the three areas of study in criminal justice. At least three of the courses must be at the 1300/1400 level.

#### **Law Enforcement**

- ADMJ 0215 Law Enforcement Operations  
 -JCC: *CRI 1320*
- ADMJ 0230 Introduction to Forensic Science  
 -JCC: *CHE 7501 (Fundamentals of Forensic Science), CRI 2540*
- ADMJ 0255 White Collar Crimes  
 -JCC: *CRI 2610*
- ADMJ 1302 Criminal Law and Procedure  
 -JCC: *CRI 2330*
- ADMJ 1325 Criminal Evidence and Investigations  
 -JCC: *CRI 2370*
- ADMJ 1330/1331 Criminal Forensics I and Lab
- ADMJ 1401 Contemporary Issues in Law Enforcement
- ADMJ 1430/1431 Criminal Forensics II and Lab
- ADMJ 1447 Special Topics in Policing

#### **Corrections**

- ADMJ 0102 American Corrections  
 -JCC: *CRI 1520*
- ADMJ 0203 Parole and Probation  
 -JCC: *CRI 2620*
- ADMJ 0240 Community-Based Corrections
- ADMJ 1315 Management and Administration in Criminal Justice Organizations  
 -JCC: *CRI 2520*
- ADMJ 1335 Conflict and Crisis Management
- ADMJ 1360 Reentry and the Offender
- ADMJ 1365 Substance Abuse and Treatment in the Community
- ADMJ 1370 Victimology: Child Abuse and Exploited Children
- ADMJ 1402 Contemporary Issues in Corrections
- ADMJ 1405 Psychology and Crime  
 -JCC: *PSY 2580*
- ADMJ 1448 Special Topics in Corrections

#### **Courts, Policy, and Justice**

- ADMJ 0235 Terrorism in a Post-9/11 World
- ADMJ 0245 Ethics in Criminal Justice
- ADMJ 0260 Violence and Crime
- ADMJ 1304 Juvenile Justice System  
 -JCC: *CRI 2650*
- ADMJ 1310 Drugs, Crime, and Social Policy
- ADMJ 1340 Gangs: Theory, Practice, and Suppression
- ADMJ 1345 International and Global Crime
- ADMJ 1355 Organized Crime in America
- ADMJ 1403 Contemporary Issues in Courts, Policy, and Justice

ADMJ 1415 Islam and Social Justice  
ADMJ 1449 Special Topics in Courts

## Bachelor of Science in Early Level Education (PreK-4) program

### C. Admission requirements and transfer of academic credits

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Early Level Education (PreK-4) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Early Level Education (PreK-4) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following: This agreement is between:

- Students must pass the Praxis I series.
- Students must have a 3.0 cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses: EDUC 0204, EDUC 0210, EDUC 0255 and EDUC 1350. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) and EDU 2440 (EDUC 0255) that fulfill requirements for the Bachelor of Science in Early Childhood Education (PreK-4), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Early Level Education (PreK-4)

### General Education Requirements

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language are required for any student seeking New York state certification.*

### **Behavioral, Economics, and Political Sciences**

**9 credits**

*This requirement is met through courses in the major (see below).*

#### **Behavioral Sciences (GE: Behavioral Sciences)**

PSY 0101 Introduction to Psychology

*-JCC: PSY 1510 Introduction to Psychology*

SOC elective (see major)

*-JCC: SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Political Science (GE: Political Science)**

PS 0102 American Political Process

*-JCC: POL 1510*

### **History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required. This requirement is met through courses in the major (see below).*

#### **History (GE: History/Euro-American or GE: History/Non-Western)**

U.S. History (HIST) requirement

*-JCC: HIS 1530, 1540*

#### **Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

Geography (GEOG) requirement

*-JCC: GEO 1520*

Anthropology (ANTH) requirement

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT 2600*

### **Physical, Life, and Computational Sciences**

**9-12 credits**

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

*This requirement can be met through courses in the major (see below).*

#### **Physical Sciences (GE: Physical Sciences)**

*-JCC: AST 1510, CHE 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education**

**1 credits**

PEDC 0152 Living Well

- JCC: EDUC 1260 Health, Safety, and Nutrition in Early Childhood Development

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

Art or Music or Theater (ART, MUSIC or THEA) requirement

-JCC: Any ART or MUS or THE course (3 credits minimum)

Biology/Environmental Science requirement

-JCC: ANT 1510, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 2660, BIO 2670, BIO 2510, BIO 2520, BIO 2530, BIO 2540, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2760

Physical Science/Environmental Science requirement

-JCC: AST 1510, CHE 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

Math requirement (MATH 0138 suggested)

-JCC: MAT 1220 or above (exception – cannot use MAT 1540)

Math requirement (MATH 0139 suggested)

-JCC: MAT 1220 or above (exception – cannot use MAT 1540)

U.S. History (HIST) requirement

-JCC: HIS 1530, 1540

Geography (GEOG) requirement

-JCC: GEO 1520

Economics (ECON) or Political Science requirement

-JCC: ECO 1530, ECO 2610, ECO 2620, POL

Cultures or Philosophical Inquiry (ANTH or PHIL) requirement

-JCC: ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540

-JCC: PHL 231, PHL 232, PHL 236, PHL 243

PSY 0101 Introduction to Psychology

-JCC: PSY 1510

Sociology (SOC) requirement

-JCC: SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580

PEDC 0152 Living Well

- JCC: EDU 1260

EDUC 0204 Introduction to Education

3

-JCC: EDU 1510

EDUC 0210 Education Practicum 1

1

EDUC 0215 English Language Learners

3

EDUC 0220 Special Education Law

3

EDUC 0225 The Developing Child: Birth-Primary Years

3

- JCC: PSY 2520

EDUC 0230 Family & Community Relationships

3

- JCC: EDUC 1310

EDUC 0255 Children's Literature	3
-JCC: <i>EDU 2440</i> Children's Literature	
EDUC 1301 Instructional Technology	3
EDUC 1302 Assessment Techniques	3
EDUC 1306 Classroom Management	3
EDUC 1309 Differentiated Reading Instruction and Intervention (PreK-1)	3
-JCC: <i>EDU 2500</i> Literacy in the Classroom	
EDUC 1310 Education Practicum 2	1
EDUC 1312 Language Development and EARly Literacy Foundations (PreK-1)	3
EDUC 1318 Early Math Foundations (PreK-1)	3
EDUC 1320 Art, Music, and Movement Methods (Pre-K)	3
EDUC 1322 Social Studies Methods (PreK-4)	3
EDUC 1324 Math Methods for Primary Grades (2-4)	3
-JCC: <i>MAE 2510</i>	
EDUC 1325 Development of Exceptional Children	
-JCC: <i>EDU 2450/2460</i> (note that two courses (6 credits) in exceptional children are required)	
EDUC 1327 Science Methods (PreK-4)	3
EDUC 1330 Educating Exceptional Children	3
-JCC: <i>EDU 2450/2460</i> (note that two courses (6 credits) in exceptional children are required)	
EDUC 1332 Literacy Foundations for Primary Grades (2-4)	3
EDUC 1350 Educational Psychology and Measurement	3
EDUC 1451 Capstone-Motivating & Engaging Young Children	3
EDUC 1481 Student Teaching	1

## Bachelor of Science in Economics

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements). Some courses may also count toward major requirements.*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

#### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

##### **Foreign Languages (GE: Language)**

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

#### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

##### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

##### **Economics (GE: Economics)**

*-JCC: Take both ECO 2610, ECO 2620 for the major*

##### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670*

**Physical Education**

**2-3 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

*Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

ECON 0102 Microeconomic Principles

*-JCC: ECO 2610*

ECON 0103 Macroeconomic Principles

*-JCC: ECO 2620*

ECON 0204 Statistical Methods

*-JCC: MAT 1540 (Statistics required)*

ECON 0206 Intermediate Microeconomics

ECON 0207 Intermediate Macroeconomics

ECON 0201 Money and Banking

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*

ECON 1451 Capstone: Economic Systems

**Economics Electives**

**Five courses selected from the following sets of courses:**

*Set 1 Applied economics (two courses)*

ECON 1301 Poverty and Society



ECON 1304 Econometrics and Business Forecasting  
ECON 1307 Economics of Energy and Environment  
ECON 1315 State and Regional Economic Development 3  
ECON 1401 American Economic History  
ECON 1402 Labor Economics

Set 2 Sectoral economics (three courses)

ECON 1303 Industrial Organization  
ECON 1305 Public Finance II  
ECON 1403 International Trade  
FIN 1301 Corporate Finance  
    *-JCC BUS 2510*  
MKRT 1301 Marketing  
    *-JCC: BUS 2550*  
FIN 1304 Financial Markets and Institutions  
FIN 1401 International Finance

Choose four from the following list of electives courses (12 credits):

MIS 0103 Integrated Business Microcomputing  
    *-JCC: CSC 1560*  
MATH 0136 Applied Calculus  
    *-JCC: MAT 1630, MAT 1640, MAT 1710, MAT 1720*  
HIST 0107 U.S. History II  
    *-JCC: HIS 1530*  
HIST 0203 Radicalism in the United States  
HIST 1317 Contemporary U.S. History, 1941–Present  
INTS 0101 Global Issues  
PS 0110 Introduction to International Affairs  
PS 0201 World Politics  
    *-JCC: POL 1520, POL 2860*  
ECON 0205 Public Finance I  
ECON 0208 Mathematical Economics  
MGMT 1401 Business in Society and the International Environment

## **Bachelor of Science in English Education (7-12) program**

Due to the certification requirements of the English Education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in English Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 English Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in English Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

**Arts and Letters**

**9-10 credits**

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

**Literature (GE: Literature)**

*This requirement is satisfied in the major.*

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

*-JCC: 3 credits in any ART, DAN, MUS, or THE course(s) or ENG 2540, ENG 2890, HUS 2480 (see THEA 1310 if taken in the major)*

**Foreign Languages (GE: Language)**

*-JCC: see the major regarding language requirement and electives*

*Note: Two semesters of a language is required for any student seeking New York state certification.*

**Behavioral, Economics, and Political Sciences**

**9 credits**

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

**Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580 (see COMM 0201 if taken in the major)*

**Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540 (see the major: ENG 0206 History of English Language)*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720 (see PHL 2310 if taken in the major)

**Physical, Life, and Computational Sciences**

**9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670 (this may be satisfied in the major)

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

ENG 0110 Lit & Interpretation  
Shakespeare Course: ENG 0205 or THEA 1310 (GE)  
-JCC: ENG 2830

ENG 0206 History of English Language  
ENG 0212 Grammar  
CLP 0203 or COMM 0201 Film and Literature/Mass Media & Society  
-JCC: ENG 2840, CMM 2610

CLP 1315 Critical Methods  
ENG 1451 Capstone/Upper-Level Writing

Foreign language proficiency through and including the intermediate level (or the equivalent)  
-JCC: FRE 2510, FRE 2520, SPA 2510, SPA 2520, SPA 2550

MATH (Second college-level math required)  
-JCC: MAT 1220 or above (exception – cannot use MAT 1540)

**Coverage: Six courses (18 credits), including at least one course from a period prior to 1800, one course from each group, and one upper-level course.**

American Literature:  
-JCC: ENG 2550, 2560  
British/European Literature  
-JCC: ENG 2610, ENG 2620  
Contemporary World Literature  
-JCC ENG 2580

Western Foundations:

*-JCC: HIS 1520, INT 2530, PHL 1510, PHL 2610*

EDUC 0204 Introduction to Education

*-JCC: EDU 1510*

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law

EDUC 0275 Adolescent Literature

*-JCC: ENG 2650*

EDUC 1301 Instructional Technology

EDUC 1307 Secondary Methods

EDUC 1325 Development of Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1330 Educating Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1350 Educational Psychology and Measurement

EDUC 1378 Reading & Writing in Content Curriculum

EDUC 0210 Education Practicum 1

EDUC 1310 Education Practicum 2

EDUC 1410 Education Practicum 3

EDUC 1481 Student Teaching

## **Bachelor of Science in Environmental Education (7-12) program**

Due to the certification requirements of the Environmental Education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Environmental Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Environmental Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Environmental Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

**Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

**Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

**Behavioral, Economics, and Political Sciences**

**9 credits**

*This requirement is met through the major.*

**Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

**Economics (GE: Economics)**

ECON 0102 Introduction to Microeconomics required

*-JCC: ECO 2610*

**Political Science (GE: Political Science)**

PS 0204 Public Policy and PS 0209 Environmental Politics are required

**History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

PHIL 1450 Environmental Philosophy and Ethics required

*-JCC: PHL 2570*

**Physical, Life, and Computational Sciences**

**9-12 credits**

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

**Physical Sciences (GE: Physical Sciences)**

ES 0105 Environmental Geology and ES 0107 Environmental Geology Lab required

**Life Sciences (GE: Life Sciences)**

BIOL 0104 Ecology and Environmental Biology required

**Computational Sciences (GE: Computational Sciences)**

Statistics required

-JCC: MAT 1540

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

BIOL 0118/0119 Ecology & Environmental Biology  
CHEM 0106/0107 Chemistry of the Environment with Lab  
ECON 0102 Microeconomics  
-JCC: ECO 2610  
ENVSTD 0101 Introduction to Environmental Studies  
-JCC ANT/BIO/CMM 2600  
ES 0105 Environmental Geology with Lab  
PET 0105 Introduction to Geographic Information  
PS 0204 Public Policy  
PS 0209 Environmental Politics  
GEOG 0210 Physical Geography  
-JCC GLG 1510  
One course in statistics  
-JCC: MAT 1540  
PHIL 1445 Environmental Ethics  
-JCC: PHL 2570  
ECON 1307 Economics of Energy & the Environment  
GEOL 1320 Geographic Information Systems  
ENVSTD 1451 Capstone/Upper-Level Writing

Approved Upper Level Environmental Elective (6 credits)

EDUC 0204 Introduction to Education  
-JCC: EDU 1510  
EDUC 0215 English Language Learners  
EDUC 0220 Special Education Law  
EDUC 1301 Instructional Technology  
EDUC 1307 Secondary Methods  
EDUC 1325 Development of Exceptional Children  
-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)  
EDUC 1330 Educating Exceptional Children  
-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)  
EDUC 1350 Educational Psychology and Measurement  
EDUC 1378 Reading & Writing in Content Curriculum  
EDUC 0210 Education Practicum 1  
EDUC 1310 Education Practicum 2  
EDUC 1410 Education Practicum 3





## Bachelor of Arts in Environmental Studies

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

MATH 0110 Fundamentals of Mathematics or designated higher-level math course.

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

#### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

##### **Foreign Languages (GE: Language)**

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

#### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

##### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

##### **Economics (GE: Economics)**

ECON 0102 Introduction to Microeconomics required

*-JCC: ECO 2610*

##### **Political Science (GE: Political Science)**

PS 0204 Public Policy required

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

PHIL 1450 Environmental Philosophy and Ethics required

*-JCC: PHL 2570*

**Physical, Life, and Computational Sciences** **9-12 credits**

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

**Physical Sciences (GE: Physical Sciences)**

ES 0105 Environmental Geology and ES 0107 Environmental Geology Lab required

**Life Sciences (GE: Life Sciences)**

BIOL 0104 Ecology and Environmental Biology required

**Computational Sciences (GE: Computational Sciences)**

Statistics required

*-JCC: MAT 1540*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC.

*Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

Course Requirements in the Major

ENVSTD 0102 Introduction to Environmental Studies

BIOL 0118 Ecology and Environmental Biology

CHEM 0106 Chemistry of the Environment

ECON 0102 Introduction to Microeconomics

*-JCC: ECO 2610*

ECON 1307 Economics of Energy and the Environment

ENG 0218 Introduction to Literature and the Environment

ES 0105 Environmental Geology

PET 0105 Introduction to GIS and Technology

PHIL 1445 Environmental Ethics

*-JCC: PHL 2570*

PS 0209 Environmental Politics

ENVSTD 1451 Capstone: Environmental Studies

*Two labs, choose from the following:*

BIOL 0119 Ecology and Environmental Biology Lab

ES 0107 Environmental Geology Lab

CHEM 0107 Chemistry of the Environment Lab

One Course in Statistics:

*-JCC: MAT 1540*

#### Environmental Studies Elective Requirements

In addition to the core requirements, five additional classes, **two of which must be upper-level at UPB**, must be taken from an approved list of environmental studies electives. You should consult with your advisor as to which classes would best serve your professional interests and career goals.

*-JCC: ANT/BIO/CMM 8505 (Planet Earth – Critical Topics), BIO 2550, BIO 2620, GLG 1510, GLG 1520, GLG 1550, GLG 1610, GLG 1720, GLG 1760*

## Bachelor of Arts in General Studies

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements). Some courses may also count toward major requirements.*

### Written Literacy 6 credits

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics 3-4 credits

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### Arts and Letters 9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### 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 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

### History, Culture, and Philosophical Inquiry 9 credits

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences 9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education 1-3 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major requirements**

The general studies major consists of 72-73 credits distributed over at least three areas of study, each representing a different category. Five courses (15 credits) must be at the 1300 level or above. Students select three areas of study from a list of five possible categories, and credits are distributed as follows:

Area of Study I:	36 credits
Area of Study II:	18 credits
Area of Study III:	12 credits
<hr/>	
Total:	66 credits

**Students may choose from the following categories and must complete three areas as detailed above:**

Category I: Arts and Letters (ENG, WRITNG, ART, MUSIC, THEA, languages)

-JCC: ARA, ART, DAN, ENG, FA, FRE, HUM, INE, INT, MUS, SPA, SPE, THE

Category II: Behavioral, Economic, and Political Sciences (PSY, SOC, ECON, PS)

-JCC: ECO, POL, PSY, SOC

Category III: History, Cultures, and Philosophical Inquiry (GEOG, HIST, ANTH, PHIL)

-JCC: ANT, COM, GEO, HIS, PHL

Category IV: Physical, Life and Computational Sciences (ASTRON, BIOL, CHEM, ENGR, ES, GEOL, PHYS, PET, MATH)

-JCC: AST, BIO, CHE, GLG, MAT, MET, PHY

Category V: Professional Studies (ACCT, ADMJ, CIST, COMM, EDUC, ENTR, ENVSTD, FIN, HPRED, HMG, INTS, MGMT, MIS, MRKT, NUR, PR)

*-JCC: AVN, BUS, CMM, CRI, CSC, EDU, ENR, HUS, PHE, VID*

Students must also complete a three-credit experience in directed research, internship, service learning, or study abroad.

Capstone: Students must complete a three- or four-credit capstone in an area of focus for which all prerequisites have been met

*Total credits required for the major*

72-73

**Required Minor**

15-21

*(Note: Transfer students who have earned a previous degree, or Pitt-Bradford students with a second major, do not need to complete a minor.)*

## **Bachelor of Science in Health and Physical Education (K-12) program**

Due to the certification requirements of the health and physical education program, additional language serves as an addendum to the first page describing the relationship and requirements for admission. **Please note that the Pennsylvania Department of Education is in the process of making changes that will affect those students who do not complete the degree by 2011. Resulting changes that must be made to these documents will be communicated to JCC as soon as possible.**

### C. Admission requirements and transfer of academic credits

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Health and Physical Education (K-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Health and Physical Education (K-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses: EDUC 0204 (EDU 1510), and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Health and Physical Education (K-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Health and Physical Education (K-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*



**Mathematics**

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

-JCC: MAT 1220 or above (exception – cannot use MAT 1540)

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580

**Arts and Letters****9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480

**Foreign Languages (GE: Language)**

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

*Note: A semester of a language is required for any student seeking New York state certification.*

**Behavioral, Economics, and Political Sciences****9 credits**

*This requirement is met through courses in the major (see below).*

**Behavioral Sciences (GE: Behavioral Sciences)**

-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580

**Economics (GE: Economics)**

-JCC: ECO 1530, ECO 2610, ECO 2620

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry****9 credits**

*Note: at least one History course is required. This requirement is met through courses in the major (see below).*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences**

**9-12 credits**

*Must include one course each in physical sciences and life sciences, one of which must have a laboratory. This requirement can be met through courses in the major (see below).*

**Physical Sciences (GE: Physical Sciences)**

CHEM 0187

**Life Sciences (GE: Life Sciences)**

Human Anatomy and Physiology I required

-JCC: BIO 2510

**Computational Sciences (GE: Computational Sciences)**

Human Anatomy and Physiology II required

-JCC: BIO 2520

**Physical Education**

**1 credit**

Lifeguarding required

-JCC: PHE 1731

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

HPRED 0180 Sport Safety Training

- JCC: PHE 1500

PEDC 0202 Lifeguarding

- JCC: PHE 1731

HPRED 0209 Personal Health and Wellness

- JCC: PHE 1590 or BIO 1510

HPRED 1305 Kinesiology

HPRED 1306 Exercise Physiology

HPRED 1307 Principles of Coaching

HPRED 1308 Coaching Practicum

- JCC: PHE 2010

HPEDU 0101 Current Issues in Community Health

HPEDU 0105 Foundations of Health and Physical Education

HPEDU 1300 Adaptive Physical Education

HPEDU 1305 Teaching Leisure Sports

HPEDU 1310 Teaching Team Sports

HPEDU 1315 Teaching Individual Sports

HPEDU 1320 Teaching Health

HPEDU 1325 Teaching Dance

HPEDU 1330 Motor Behavior

HPEDU 1400 Methods of Teaching Health and Physical Education

HPEDU 1405 Assessment in Health and Physical Education

HPEDU 1451 Capstone

BIOL 0212 Anatomy & Physiology I

-JCC: BIO 2510

BIOL 0213 Anatomy & Physiology II

-JCC: BIO 2520

CHEM 0187 Drugs & Society

Math requirement (two courses: Math 0098 Algebra II and MATH 0133 Statistics suggested) 6-8  
-JCC: MAT 1220 or above (exception – cannot use MAT 1540)

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law EDUC 1301 Instructional Technology

EDUC 1325 Development of Exceptional Children

-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)

EDUC 1350 Educational Psychology and Measurement

EDUC 1481 Student Teaching

EDUC 0210 Education Practicum I

EDUC 1310 Education Practicum II

EDUC 1410 Education Practicum III

## Bachelor of Arts in History/Political Science

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

COMM 1307 Visual Communications is required

*-JCC: ENG 2730, ENG 2840, INE 2770, ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT 2600, GEO 1520, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

HIST 0106 and 0107 U.S. History I and II

*-JCC: HIS 1530, HIS 1540*

HIST or PS 1451 Capstone: History or Capstone: Political Science

**Area Requirements in History**

Two of the following courses:

HIST 0103 Europe in the 18th Century

HIST 0104 Europe in the 19th Century

HIST 0105 Europe in the 20th Century

HIST 0108 Medieval Europe

HIST 0109 Renaissance/Reformation Europe

History electives (three courses, **including at least two at the 1300 level (junior or senior level at Pitt-Bradford)** or above)

*-JCC: HIS 1510, HIS 1520, HIS 2100, HIS 2560, HIS 2570, HIS 2590 (choose one course)*

### **Area Requirements in Political Science**

Seven courses, including at least one course from each of the four sets of courses representing the four areas of study in political science, including at least two at the 1300/1400 level or above:

#### **American Government and Politics**

PS 0102 American Political Process

*-JCC: POL 1510*

PS 0204 Public Policy

PS 0205 Law and the Courts

*-JCC: POL 2530*

PS 0207 Congress and the Presidency

PS 1325 State and Local Government

*-JCC: POL 270*

#### **Comparative Government and Politics**

PS 0103 Comparative Politics

PS 0203 Communist Politics

PS 1355 Politics of the Developing World

#### **International Politics**

PS 0110 Introduction to International Affairs

PS 0201 World Politics

*-JCC: POL 1520, POL 2860*

PS 1304 American Foreign Relations

#### **Political Theory**

PS 0202 Great Political Thinkers

PS 1305 Political Theory: Plato to Machiavelli

PS 1306 Political Theory: Machiavelli to Rousseau

PS 1307 Liberalism, Conservatism, and Socialism

PS 1308 American Political Thought

## Bachelor of Science in Hospitality Management

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

MATH 0098 College Algebra II or designated higher-level math course (required in the major).

*-JCC: MAT 1590 or above*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

#### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

##### **Foreign Languages (GE: Language)**

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

#### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

##### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

##### **Economics (GE: Economics)**

*-JCC: ECO 2620*

##### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Cultures, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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: CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720, AST 1510, CHE 1530*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

Statistics required

*-JCC: MAT 1540*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC.

**COURSES WITHIN THE MAJOR**

Course Requirements in the Major

MGMT 0110 Principles of Management

*-JCC: BUS 2570*

ECON 0103 Introduction to Macroeconomics

*-JCC: ECO 2620*

MIS 0103 Microcomputing for Management

*-JCC: CSC 1560*

HMG 0101 Introduction to Hospitality Management

HMG 0201 Service Industry Structure and Leadership

MGMT 1320 Human Resource Management

*-JCC: BUS 2630*

HMG 0210 Legal Issues in the Hospitality and Tourism Industry

HMG 0220 Foodservice Management

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*



ACCT 0202     Managerial Accounting Concepts  
          -*JCC: BUS 1520*  
HMGT 1310     Hotel Operations  
HMGT 1320     Hospitality Information Systems  
FIN 1301       Corporate Finance  
          -*JCC: BUS 2510*  
MRKT 1301     Principles of Marketing  
          -*JCC: BUS 2550*  
HMGT 1330     Principles of Food Preparation (Includes Lab)  
HMGT 1340     Food and Beverage Cost Control  
HMGT 1370     Hospitality and Tourism Marketing  
HMGT 1445     Professionalism in Hospitality  
HMGT 1451     Senior Seminar for Hospitality Majors (Capstone Requirement, Upper Level Writing  
                  Requirement)

Other required courses

MATH 0098     College Algebra II  
          -*JCC: MAT 1220 or above (exception – cannot use MAT 1540)*  
ECON 0112     Tourism  
MATH 0133     Statistics  
          -*JCC: MAT 1540*

Electives (three approved courses in hospitality, recreation, or tourism management)

## Bachelor of Arts in Human Relations

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

MATH 0098 College Algebra II or Higher

*-JCC: MAT 1220 or above excluding MAT 1540. Please note that MAT 1540 will transfer in as PSY 0201, a requirement for the major, and counts as a computational science below. JCC students taking MAT 1540 should complete a second MAT course to meet the competency requirement at UPB.*

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*Note: the human experience curriculum must include at least one course designated as Non-Western. -JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

*Courses must be selected from at least two different categories (the categories are behavioral science, economics, and political science). SOC 0101 (SOC 1510) and PSY 0101 (PSY 1510) are required in the major. Students should complete those courses and then select an elective from Economics or Political Science.*

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: Take SOC 1510 (SOC 0101)*

*-JCC: Take PSY 1510 (PSY 0101)*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required. ANTH 0101 (ANT 1520) is required for the major.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC Take ANT 1520 (ANTH 0101)

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

Statistics required

-JCC Take MAT 1540 (PSY 0201)

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC.

**COURSES WITHIN THE MAJOR**

Course Requirements in the Major

ANTH 0101 Introduction to Cultural Anthropology

-JCC: ANT 1520

ANTH 0230 Practicing Anthropology

ANTH 1451 Capstone: Human Relations

PSY 0101 Introduction to Psychology

-JCC: PSY 1510

PSY 0201 Statistics or ECON 0204 Statistical Methods

-JCC: MAT 1540

PSY 0203      Social Psychology  
                  -JCC: *PSY 2530*  
SOC 0101      Introduction to Sociology  
                  -JCC: *SOC 1510*  
SOC 1302      Socialization  
SOC 1401      Social Research

**Human Relations Elective Requirements**

Six additional courses, two each from the areas of anthropology, psychology, and sociology are required (18 credits). It is recommended that students consider taking upper-level electives so that they can meet the 30 upper-level credit minimum for the bachelor's degree.

*-JCC: ANT courses*

*-JCC: PSY courses*

*-JCC: SOC courses*

## Bachelor of Arts in Interdisciplinary Arts

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western. -JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, REL 2580*

### **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: 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, INT 2530, INT 2540, SPA 2530, THE 1510, THE 1520*

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

*Courses in the major will satisfy this requirement.*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

COMM 1307 Visual Communications is required

-JCC: ENG 2730, ENG 2840, INE 2770, ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT 2600, GEO 1520, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**COURSES IN THE MAJOR**

Students are required to select two arts areas from art, music and theater disciplines as their major components in their Interdisciplinary Arts Major program.

IA 0101 Arts Awareness  
COMM 1307 Visual Communication  
IA 1451 Capstone

Select and complete the requirements for two arts areas from Art, Music, Theater, and Writing.

## Art Area Requirements

- Four studio art OR art history courses (a total of 12 credits or more), which can include upper-level course(s)
- One art history course (3 credits)
- One upper-level studio art OR art history course:

Available lower-level studio art courses: ART 0101 Drawing I, ART 0201 Figure Drawing, ART 0201 Painting I, ART 0208 Watercolor Painting, ART 0109 Mural Design, ART 0112 Printmaking I, ART 0103 Design I, ART 0113 Digital Photography & Imaging, ART 0110 Ceramics I, ART 0213 Japanese Visual Arts & Crafts.

*-JCC: ART 1510, ART 1520, ART 1530, ART 1540, ART 1570, ART 1590, ART 1600, ART 1670, ART 1730, ART 1740, ART 1750, ART 2510, ART 2520, ART 2570, ART 2590, ART 2600, ART 2730, ART 2740, ART 2750, ART 2800, ART Studio Problems Series*

Available lower-level art history courses: ART 0105 World Art Survey I, ART 0106 World Art Survey II, ART 0111 Art Appreciation.

*-JCC: ART 1550, ART 1560*

Available upper-level studio art and art history courses: ART 1301 Advanced Drawing, ART 1303 Advanced Design, ART 1305 Advanced Painting, ART 1315 Advanced Ceramics, ART 1310 Modern Art, ART 1450 Topics in Art, ART 1497 Directed Study: Art, ART 1498 Directed Research: Art, ART 1499 Internship in Art.

The music requirements of a major in Interdisciplinary Arts with selection of Music as one of two major components are completed with the following courses:

## Music Area Requirements

- Five 3-credit lower-level music courses:
- MUSIC 1339 Musical Styles

Available lower-level music courses: MUSIC 0101 Elements of Music (formerly Basic Musicianship), MUSIC 0102 Introduction to Music, MUSIC 0215 Introduction to Music Technology, MUSIC 0202 Symphony, MUSIC 0203 Opera, MUSIC 0205 College/Community Choir (1 cr. x 3), MUSIC 0195 Applied Study (1 cr. x 3)

*-JCC: MUS 1510, MUS 1570, MUS 1580, MUS 2570, MUS 1630, MUS 1670, MUS 1690, MUS 1510, MUS 1590, MUS 1680, MUS 1700, MUS 1710, MUS 1730, MUS 2570, MUS 2580, MUS 2890*

## Theater Area Requirements

- THEA 0101 Introduction to Theater  
*-JCC: THE 1510*
- THEA 0203 Play Analysis
- Two courses from THEA 0102 Stagecraft AND/OR THEA 0103 Performance
- *-JCC: THE 1550, THE 1570*
- One upper-level theatre course
- One further elective course in theater, lower or upper level  
*-JCC: THE 1520, THE 1630, THE 2570*

Available upper-level theater courses: THEA 1302 Directing, THEA 1303 Playwriting, THEA 1304 Advanced Acting, THEA 1310 Shakespearean Performances, THEA 1497 Directed Study, THEA 1498 Directed Research, THEA 1499 Internship in Theatre

## Writing Area Requirements

Four writing courses, which can include upper-level course(s)

One literature course:

One upper-level writing course

Available lower-level writing courses: COMM 0106 News Writing, WRITNG 0106 Introduction to Fiction Writing, WRITNG 0107 Beginning Poetry Writing, COMM 0108 Newspaper Staff, WRITNG 0108 Introduction to Creative Nonfiction, WRITNG 0111 Literary Editing and Magazine Production 1, WRITNG 0211 Literary Editing and Magazine Production 2.

*-JCC: ENG, 2540, ENG 2740, ENG 2890*

Available upper-level writing courses: WRITNG 1302 Advanced Fiction Writing, WRITNG 1304 Advanced Poetry Writing, WRITNG 1310 Advanced Feature Writing, WRITNG 1311 Literary Editing and Magazine Production 3, WRITNG 1402 Writing from the Self, WRITNG 1450 Topics in Writing  
Interdisciplinary Arts Major Requirements: Music Emphasis



## **Bachelor of Science in Mathematics Education (7-12) program**

Due to the certification requirements of the Mathematics Education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Mathematics Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Mathematics Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Mathematics Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1710 (see the major requirements)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

### **History, Culture, and Philosophical Inquiry**

**9 credits**

*Note: at least one History course is required, and two areas must be met.*

#### **History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

#### **Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

#### **Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences****9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1720 (required for the major)*

**Physical Education****1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

MATH 0135 Discrete Math

*-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 0207 or MATH 1314 Geometry or MATH 1314 Topics in Geometry

MATH 1303 Mathematical Modeling

MATH 1309 Applied Probability and Statistics

MATH 1315 Advanced Differential Equations

MATH 1318 Introduction to Analysis

MATH 1452 Capstone: Mathematics

Other required courses:

EDUC 0204 Introduction to Education

*-JCC: EDU 1510*

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law

EDUC 1301 Instructional Technology

EDUC 1307 Secondary Methods

EDUC 1325 Development of Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1330 Educating Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1350	Educational Psychology and Measurement
EDUC 1378	Reading & Writing in Content Curriculum
EDUC 0210	Education Practicum 1
EDUC 1310	Education Practicum 2
EDUC 1410	Education Practicum 3
EDUC 1481	Student Teaching

## Bachelor of Science in Nursing

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

Due to the accreditation requirements of the nursing program, additional language serves as an addendum to the first page describing the relationship and requirements for admission.

This agreement applies only to the Associate in Applied Science in Nursing program that is currently constituted and delivered at JCC and fully accredited by NLNAC as of the 2009 - 2010 academic year.

### C. Admission requirements and transfer of academic credits

1. UPB agrees that graduates of the Associate in Applied Science in Nursing program meet the admissions standards of the Bachelor of Science in Nursing program given that they satisfy the following conditions:

- a. Successful completion of required JCC 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.
- d. One of the following:
  1. Graduation from JCC with the Associate in Applied Science in Nursing within three years prior to consideration for admission to the RN-BSN program at UPB
  2. Graduation from JCC with the Associate in Applied Science in Nursing more than 3 years ago but with evidence of at *least* 1000 hours nursing practice within three years prior to consideration for admission to the RN-BSN program at UPB
  3. Successful completion of four required Excelsior College exams (Fundamentals of Nursing #403, Adult Nursing #554, Maternal/Child Nursing #457, Psychiatric-Mental Health Nursing #503) with a minimum score of 45 is required on each exam.
- e. Current Pennsylvania RN License to practice nursing.
- f. Cumulative QPA of 2.50 or above for the minimum 34 Pre-BSN prerequisite credits.

2. UPB agrees that JCC's Associate in Applied Science in Nursing 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 Nursing 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 BSN degree in four, full-time fall and spring semesters

Courses to be transferred and courses remaining for completion of the Bachelor of Science in Nursing

### Courses required from Jamestown Community College

#### Humanities

ENG 1530: College Composition

ENG 1540: Writing about Literature

#### Social Science Electives

PSY 1510: General Psychology I

PSY 2510: Life Span Development

SOC 1510: Introduction to Sociology

**Mathematics/Sciences Electives**

BIO 1510: Anatomy and Physiology I

BIO 2520: Anatomy and Physiology II

BIO 2760: Nutrition

MAT 1540: Elementary Statistics (required by most baccalaureate programs)

**Program Core Requirements**

NUR 1500: Introduction to Pharmacology

NUR 1510: Foundations of Nursing

NUR 1520: Health Restoration

NUR 2350: Pharmacology for Nurses or NUR 2310, 2320, 2330

NUR 2510: Health Restoration & Maintenance I

NUR 2520: Health Restoration & Maintenance II

NUR 2550: Pathophysiology I

NUR 2560: Pathophysiology II

NUR 2970: Health Status Assessment for Registered Nurses

**Pre-BSN Prerequisite Courses:**

**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: 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, INT 2530, INT 2540, 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, HUS 2480*

**Foreign Languages (GE: Language)**

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

**History (GE: History/Euro-American or GE: History/Non-Western) (one HIST course and one PHIL course)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

BIOL 0202 Microbiology or BIO 2531 (Microbiology lecture) or BIO 2531 and BIO 2532 (Microbiology lecture and lab). (Can be challenged through Regent's College Challenge Examination Program)

*-JCC: BIO 2530*

CHEM 0103 Biological Chemistry

*-JCC: CHE 1530*

PSY 0206 Abnormal Psychology

*-JCC: PSY 2560*

**RN-BSN required courses**

NUR 1302 Professional Nursing Concepts

NUR 1310 Ethical Dimensions of Professional Nursing

NUR 1401 Nursing Research

NUR 1402 Health Assessment/Promotion  
NUR 1403 Advanced Clinical Practicum  
NUR 1404 Community Health Nursing  
NUR 1451 Capstone: Professional Nursing  
Upper-level electives (six credits of which one must be NUR)

ANTH 1305 Religion and Society or ANTH 0101 Introduction to Cultural Anthropology  
ANTH 1307 or ECON 1301 Poverty and Society

## Bachelor of Science in Psychology

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

Please note that the major requires Precalculus

*-JCC: MAT 1600*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

PSY 0101 is required

*-JCC: PSY 1510*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*



**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

Required courses for the major

-JCC: (1) (a) BIO 1570 or BIO 7505 *Biology: A Molecular Approach* and (b) BIO 1580 or  
(2) (a) BIO 1570 or BIO 7505 and (b) BIO 2660 and BIO 2670 or (b) BIO 2510 and BIO 2520

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

PSY 0101 Introduction to Psychology\*

-JCC: PSY 1510

PSY 0201 Statistics\*

-JCC: MAT 1540

PSY 0265 Data Analysis and Research Writing\*

PSY 1301 Experimental Psychology\*

PSY 1452 Capstone: Psychology\*

Content area requirements in psychology  
(two courses from each of the three following content areas)\*

Cognitive-Developmental (two courses)\*

6

PSY 0202 Child Development

-JCC: PSY 2520

PSY 1302 Cognitive Development

PSY 1304 Human Memory

PSY 1324 Development of Exceptional Children

-JCC: EDU 2450

PSY 1406 Human Learning

PSY 1447 Topics in Cognitive-Developmental Psychology

Applied Social Psychology (two courses)\* 6  
 PSY 0203 Social Psychology  
     -JCC: PSY 2530  
 PSY 0204 Personality Theories  
     -JCC: PSY 2500  
 PSY 1308 Theories of Motivation  
 PSY 1335 Psychology of Prejudice and Discrimination  
 PSY 1337 Health Psychology  
 PSY 1403 Advanced Social Psychology  
 PSY 1448 Topics in Applied Social Psychology

Counseling Psychology (two courses)\* 6  
 PSY 0206 Abnormal Psychology  
     -JCC: PSY 2560  
 PSY 1303 Psychological Assessment  
 PSY 1317 Child and Adolescent Psychopathology  
 PSY 1407/1408 Counseling Psychology and lab  
 PSY 1405 Intelligence and Testing  
 PSY 1410 Psychology and Law  
 PSY 1449 Topics in Counseling Psychology

\*Students must receive a C- or better in these courses.

Required psychology electives (two upper-level courses—1300 or above)  
 (PSY 1498 Directed Research and PSY 1499 Internship may be used as psychology electives)

Other required courses

BIOL 0101 Intro to Biodiversity

and BIOL 0102 Introduction to Cell and Molecular Biology

**or**

BIOL 0212 and 0213 Human Anatomy and Physiology I and II

-JCC: BIO 1570 and BIO 1580 or BIO 1570 and BIO 2660 and BIO 2670 or BIO 2510 and BIO 2520

COMM 0104 Public Speaking

**or** COMM 0206 Interpersonal Communication

-JCC: CMM 1610 or CMM 2500

MATH 0132 Precalculus or a higher-level math course

-JCC: MAT 1600

Required minor (*Transfer students who have earned a previous degree do not need to complete a minor.*)

## Bachelor of Arts in Public Relations

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

COMM 0101 Introduction to Human Communication is required

*-JCC: CMM 1510*

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

COMM 1307 Visual Communications is required

-JCC: ENG 2730, ENG 2840, INE 2770, ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT 2600, GEO 1520, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

COMM 0101 Introduction to Human Communication

- JCC: CMM 1510

COMM 0104 Public Speaking

- JCC: CMM 1610

COMM 0201 The Mass Media and Society

- JCC: CMM 1750

PR 0101 Introduction to Public Relations

COMM 1307 Visual Communication

PR 1302 Public Relations: Case Problems

PR 1304 Promotional Writing  
PR 1451 Capstone: Public Relations  
COMM 0106 News Writing  
COMM 0107 News Editing  
COMM 0108 Newspaper Staff (The Source)  
(must be taken twice for credit)  
COMM 0210 Social Media Communication  
PR 1499 Internship in Public Relations  
or COMM 1309 Environmental Communications

Required minor (*Transfer students who have earned a previous degree do not need to complete a minor.*)

## Bachelor of Arts in Social Sciences

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

*Courses must be selected from at least two different categories (the categories are behavioral science, economics, and political science). Some courses selected from these areas could also meet the requirements of Area I, II or III in the major.*

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met. Some courses selected from these areas could also meet the requirements of Area I, II or III in the major.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540 (Statistics required)

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC.

**COURSES WITHIN THE MAJOR**

The social sciences major consists of 15 courses (45 credits), 14 of which are distributed in three of seven areas of concentration: anthropology (JCC-ANT/UPB-ANTH), criminal justice (JCC-CRI/UPB-ADMJ), economics (JCC-ECO/UPB-ECON), history (JCC-HIS/UPB-HIST), political science (JCC-POL/UPB-PS), psychology (JCC/UPB-PSY), and sociology (JCC/UPB-SOC). Five courses (15 credits) must be at the 1300 level or above (this does not include the Capstone).

Area I (six courses)	18 credits
Area II (four courses)	12 credits
Area III (four courses)	12 credits

Capstone (ANTH 1451, ECON 1451, HIST 1451, PS 1451, or SOC 1451, or SOCSCI 1451)

## **Bachelor of Science in Social Studies Education (7-12) program**

Due to the certification requirements of the Social Studies Education (7-12) program, additional language serves as an addendum to the first page of the Transfer Master Agreement describing the relationship and requirements for admission.

### **C. Admission requirements and transfer of academic credits**

1. UPB agrees that students from JCC will meet the admissions standards of the Bachelor of Science in Social Studies Education (7-12) program given that they satisfy the following conditions:

- a. Successful completion of up to 75 transferable credits with a grade of "C" = 2.00 or better:
- b. A cumulative grade point average (GPA) of 2.6 or better.
- c. Students must meet UPB conduct standards in regard to known behavioral problems.

2. UPB agrees that JCC's students 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 Social Studies Education (7-12) program.

JCC students who transfer a minimum of 60 credit hours with grades of "C" or higher will be admitted to UPB with junior standing. However, admission to the education program requires the following:

- Students must pass the Praxis I series.
- Students must have a 3.0 minimum cumulative grade point average, at Pitt-Bradford, with no grade below a "C-" in a required course.
- Students must have current Pennsylvania clearances (Child Abuse and Criminal Check). Clearances are only good for one year. Non-Pennsylvania residents must sign and have notarized a form that states that they have no child abuse or criminal records in their home state.
- Students must complete the pre-requisite courses EDUC 0204 (students can take EDU 1510 at JCC) and EDUC 0210. JCC students who transfer to UPB and who subsequently complete these courses with no grade below a "C-" will be admitted to the education department.
- JCC students who enter UPB with at least 54 credit hours including EDU 1510 (EDUC 0204) that fulfill requirements for the Bachelor of Science in Biology Education (7-12), 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 BS degree in four, full-time fall and spring semesters at UPB.

Courses required from the University of Pittsburgh at Bradford to complete the Bachelor of Science in Social Studies Education (7-12)

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*



**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

**Arts and Letters**

**9-10 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: 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, INT 2530, INT 2540, 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, HUS 2480*

**Foreign Languages (GE: Language)**

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

*Note: Two semesters of a language is required for any student seeking New York state certification.*

**Behavioral, Economics, and Political Sciences**

**9 credits**

*This requirement is met through courses in the major (see below).*

**Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, CMM 2600, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

**Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

**Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry**

**9 credits**

*This requirement is met through courses in the major (see below).*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences**

**9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

-JCC: *ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

-JCC: *MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670*

**Physical Education****1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: *Any PHE course or CRI 1290*

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC). ***Some of these courses may also fulfill the Pitt-Bradford general education requirements above.***

All social studies education majors must complete the following core content courses. 12 credits within the major must be international or cross-cultural in nature.

HIST 0106 and 0107 U.S. History I and II

-JCC: *HIS 1530, HIS 1540*

Two courses in European history from the following list: HIST 0103, HIST 0104, HIST 0105, HIST 0108, or HIST 0109

PS course in American Government & Politics

-JCC: *POL 1510*

PS course in Comparative Government & Politics

PS course in International Politics

-JCC: *POL 1520, POL 2860*

PS course in Political Theory

HIST 1451 or PS 1451 Capstone

Required Electives

Upper-level History elective (3 credits)

Upper-level Political Science elective (3 credits)

Upper-level History or Political Science elective (3 credits)

MATH (Second college-level math required)

-JCC: *MAT 1220 or above (exception – cannot use MAT 1540)*

**Collateral Areas–24 credits with at least one course in each area**

Anthropology (ANTH)

-JCC: *Any ANT course*

Geography (GEOG)

-JCC: *Any GEO course*

Economics (ECON)

*-JCC: Any ECO course*

PSY 0101 Introduction to Psychology

*-JCC: PSY 1510 General Psychology*

SOC elective (see major)

*-JCC: Any SOC course*

Two upper-level required collateral electives (Choose from ANTH, ECON, GEOG, PSY, and SOC)

EDUC 0204 Introduction to Education

*-JCC: EDU 1510*

EDUC 0215 English Language Learners

EDUC 0220 Special Education Law

EDUC 1301 Instructional Technology

EDUC 1307 Secondary Methods

EDUC 1325 Development of Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1330 Educating Exceptional Children

*-JCC: EDU 2450/2460 (note that two courses (6 credits) in exceptional children are required)*

EDUC 1350 Educational Psychology and Measurement

EDUC 1378 Reading & Writing in Content Curriculum

EDUC 0210 Education Practicum 1

EDUC 1310 Education Practicum 2

EDUC 1410 Education Practicum 3

EDUC 1481 Student Teaching

## Bachelor of Arts in Sociology

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580 (Please note that SOC 1510 and PSY 1510 and 1520 are required in the major).*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540 (Statistics required)*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major requirements**

SOC 0101 Introduction to Sociology

*-JCC: SOC 1510*

SOC 1310 Sociological Theory

SOC 1401 Social Research

SOC 1451 Capstone: Sociological Analysis

**Corequirements**

PSY 0101 Introduction to Psychology

*-JCC: PSY 1510*

PSY 0201 or ECON 0201 Statistics

*-JCC: MAT 1540 (Statistics required)*

**Area Requirements in Sociology**

The Individual in Society (2 courses are required - 1 must be upper-level):

SOC 0204 Sociology of Deviance

*-JCC: SOC 2540*

SOC 0205 Death and Dying

*-JCC: PSY 1610*

SOC 0209 Social Problems

*-JCC: SOC 2520*

SOC 1302      Socialization  
SOC 1303      Society and the Individual  
SOC 1304      Small Groups  
SOC 1316      Social and Cultural Change

Inequalities and Social Differences (2 courses are required - 1 must be upper-level):

SOC 0201      Sociology of Gender  
SOC 0207      Racial and Ethnic Groups  
                *-JCC: SOC 2580*  
SOC 1308      Inequality in Society  
SOC 1313      Sociology of Aging  
SOC 1314      Images of Women and Men

Social Institutions (2 courses; 1 must be upper-level):

SOC 0202      Sociology of Sport  
SOC 0206      Criminology  
                *-JCC: SOC 2560*  
SOC 0235      Environmental Sociology  
SOC 1301      The Family  
                *-JCC: SOC 2510*  
SOC 1305      Organizational Behavior  
SOC 1306      Work and Society  
SOC 1307      Medical Sociology

Psychology (2 courses are required):

PSY 0202      Child Development  
                *-JCC: PSY 2510, PSY 2520*  
PSY 0203      Social Psychology  
                *-JCC: PSY 2530*  
PSY 0206      Abnormal Psychology  
                *-JCC: PSY 2560*

## Bachelor of Arts in Sport and Recreation Management

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.)*

#### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

#### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

#### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

##### **Foreign Languages (GE: Language)**

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

#### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

##### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

##### **Economics (GE: Economics)**

**ECON 0102 Introduction to Microeconomics**

*-JCC: ECO 2620*

##### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670*

**Physical Education** **1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

Course Requirements in the Major (students must receive a C- or better in all core courses, and a minimum grade of C is required for any course to transfer from JCC)

HPRED 0202 Psychology of Sport

*-JCC: PHE 1870*

HPRED 0210 The Governance and Management of Sport

HPRED 1301 Sports Marketing

HPRED 1310 Ethics and Leadership in Sport

HPRED 1401 Issues in Legal Liability in Sport, Recreation, and Exercise Science

HPRED 1407 Facility and Event Management for Sport

HPRED 1425 Sports Economics and Finance

HPRED 1452 Capstone: Sport and Recreation Management

HPRED 1496 Fieldwork in Sport and Recreation Management

ACCT 0201 Financial Accounting Concepts

*-JCC: BUS 1510*



ACCT 0202      Managerial Accounting Concepts  
                  -*JCC: BUS 1520*

ECON 0102      Introduction to Microeconomics  
                  -*JCC: ECO 2620 (previously listed in GE: Economics)*

ECON 0103      Macroeconomics  
                  -*JCC: ECO 2620*

MGMT 0110      Principles of Business Management  
                  -*JCC: BUS 2570*

MGMT 1304      Business Law  
                  -*JCC: BUS 2530, BUS 2540*

MIS 0208        Business Information Systems

MRKT 1301      Principles of Marketing  
                  -*JCC: BUS 2550*

PR 0101         Introduction to Public Relations

PSY 0101        Introduction to Psychology  
                  -*JCC: PSY 1510*

SOC 0101        Introduction to Sociology  
                  -*JCC: SOC 1510*

SOC 0202        Sociology of Sport

SOC/MGMT 1301 Organizational Behavior  
                  -*JCC: BUS 2580*

## Bachelor of Science in Sports Medicine

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

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### Written Literacy

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### Mathematics

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### 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: 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, INT 2530, INT 2540, SPA 2530, THE 1510, THE 1520 (Please note that THE 1510 is required in the major).*

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

*-JCC: 3 credits in any ART, DAN, MUS, or THE course(s) or ENG 2540, ENG 2890, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### Behavioral, Economics, and Political Sciences

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580 (Please note that CMM 1510 is required in the major).*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

*-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590*

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT/BIO/CMM 2600, ENG 2730, ENG 2840, GEO 1520, INE 2770, INT 2530, INT 2540*

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

*-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720*

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720*

**Life Sciences (GE: Life Sciences)**

*-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)*

**Computational Sciences (GE: Computational Sciences)**

*-JCC: MAT 1540 (Statistics required)*

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

*-JCC: Any PHE course or CRI 1290*

**Major Requirements**

HPRED 0101 Introduction to Sports Medicine

*-JCC: PHE 1500*

HPRED 0106 Nutrition

*-JCC: PHE 1880, BIO 2760*

HPRED 0206 Evaluation and Rehabilitation of Athletic Injuries I

HPRED 0207 Evaluation and Rehabilitation of Athletic Injuries II

HPRED 0209 Personal Health and Wellness

HPRED 1302 Therapeutic Modalities

HPRED 1305 Biomechanics

HPRED 1306 Exercise Physiology I

HPRED 1309 Therapeutic Exercise

HPRED 1320 Principles of Strength Training and Conditioning

HPRED 1405 Research Methods

HPRED 1410 Exercise Prescription

HPRED 1416 Clinical Exercise Physiology

HPRED 1430 Worksite Health Promotion

HPRED 1451 Capstone: Sports Medicine

BIOL 0212 Human Anatomy and Physiology I

*-JCC: BIO 2510*

BIOL 0213 Human Anatomy and Physiology II

-JCC: *BIO 2520*  
PSY 0101 Introduction to Psychology  
-JCC: *PSY 1510*  
PEDC 0108 Physical Conditioning/Weight Training  
-JCC: *PHE 1680*

Students must receive a C- or better in all above core courses.

## Bachelor of Arts in Writing

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

### **General Education Requirements**

*Competencies (A minimum grade of C- is required in courses taken to satisfy competency requirements, and a minimum grade of C is required for any course to transfer from JCC.) Some courses may also count toward major requirements.*

### **Written Literacy**

ENG 0101 English Composition I

ENG 0102 English Composition II

*-JCC: ENG 1510 and ENG 1530 or ENG 1530 and ENG 1540*

### **Mathematics**

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

*-JCC: MAT 1220 or above (exception – cannot use MAT 1540)*

**The Human Experience:** The Human Experience, Pitt-Bradford's General Education Program comprises these five subcategories: Arts and Letters; Behavioral, Economics, and Political Sciences; History, Culture, and Philosophical Inquiry; Physical, Life, and Computational Sciences; and Physical Education.

*Note: the human experience curriculum must include at least one course designated as Non-Western*

*-JCC: ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ART 1550, ENG 2510, ENG 2520, GEO 1520, HIS 1510, SPA 2560, REL 2580*

### **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: 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, INT 2530, INT 2540, 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, HUS 2480*

#### **Foreign Languages (GE: Language)**

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

### **Behavioral, Economics, and Political Sciences**

**9 credits**

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

#### **Behavioral Sciences (GE: Behavioral Sciences)**

*-JCC: BUS 2580, CMM 1510, EDU 2340, HUS 1280, PSY 1510, PSY 1550, PSY 1570, PSY 1610, PSY 2500, PSY 2520, PSY 2530, PSY 2550, PSY 2560, PSY 2570, PSY 2580, PSY 2600, PSY 2710, SOC 1510, SOC 1520, SOC 1530, SOC 2520, SOC 2540, SOC 2560, SOC 2570, SOC 2580*

#### **Economics (GE: Economics)**

*-JCC: ECO 1530, ECO 2610, ECO 2620*

#### **Political Science (GE: Political Science)**

*-JCC: CRI 1540, CRI 2380, CRI 2530, CRI 2640, POL 1510, POL 1520, POL 1550, POL 1560, POL 2530, POL 2570, POL 2860*

**History, Culture, and Philosophical Inquiry** **9 credits**

*Note: at least one History course is required, and two areas must be met.*

**History (GE: History/Euro-American or GE: History/Non-Western)**

-JCC: HIS 1510, HIS 1520, HIS 1530, HIS 1540, HIS 2590, HIS 2560, HIS 2590

**Cultures (GE: Cultures/Euro-American or GE: Cultures/Non-Western)**

COMM 1307 Visual Communications is required

-JCC: ENG 2730, ENG 2840, INE 2770, ANT 1510, ANT 1520, ANT 1530, ANT 2510, ANT 2520, ANT 2540, ANT 2600, GEO 1520, INT 2530, INT 2540

**Philosophical Inquiry (GE: Philosophy/Euro-American or GE: Philosophy/Non-Western)**

-JCC: PHL 1510, PHL 1520, PHL 1570, PHL 2550, PHL 2570, PHL 2610, PHL 2630, PHL 2650, PHL 2720

**Physical, Life, and Computational Sciences** **9-12 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 1530, CHE 1550, CHE 1560, GLG 1510, GLG 1520, GLG 1550, HUS 1310, MET 1510, PHY 1250, PHY 1260, PHY 1510, PHY 1610, PHY 1620, PHY 1710, PHY 2710, PHY 2720

**Life Sciences (GE: Life Sciences)**

-JCC: ANT 1510, ANT/BIO/CMM 2600, BIO 1500, BIO 1510, BIO 1570, BIO 1580, BIO 1700, BIO 1820, BIO 1830, BIO 2510, BIO 2520, BIO 2530 or BIO 2531 (lecture) or BIO 2531 and BIO 2532 (lecture and lab), BIO 2550, BIO 2560, BIO 2570, BIO 2620, BIO 2640, BIO 2660, BIO 2670, BIO 2760, BIO 2800, BIO 2820, BIO 2830, BIO 7003 (Introduction to Biotechnology), BIO 7504 (From Science Fiction to Fact), BIO 7505 (Biology: A Molecular Approach)

**Computational Sciences (GE: Computational Sciences)**

-JCC: MAT 1540, MAT 1600, MAT 1630, MAT 1640, MAT 1710, MAT 1720, MAT 2650, MAT 2670, MAT 2680, CSC 1510, CSC 1570, CSC 1580, CSC 1590, MAT 1670

**Physical Education**

**1 credits**

*One course in the Department of Physical Education (GE: Physical Education).*

-JCC: Any PHE course or CRI 1290

**Major Requirements**

A minimum grade of C is required for any course to transfer from JCC. *Some of these courses may also fulfill the Pitt-Bradford general education requirements above.*

**COURSES WITHIN THE MAJOR**

WRITNG 0111 Literary Editing and Magazine Production

Take four courses from the following list:

COMM 0106 News Writing

-JCC: ENG 2740

WRITNG 0106 Introduction to Fiction Writing

-JCC: ENG 2540\*

WRITNG 0107 Beginning Poetry Writing

-JCC: ENG 2540\*

COMM 0108 Newspaper Staff (The Source)

WRITNG 0108 Introduction to Creative Nonfiction

-JCC: ENG 2890

WRITNG 0220 Feature Writing

\* Note: ENG 2540 can be used as one of the four courses.

### **Requirements in Literature**

One course from each of the following groupings, including at least one course at the 1300 level or above. **Two of these courses will also counts toward the general education requirements.**

#### **Survey courses**

ENG 0105 Masterpieces of World Literature

-JCC: ENG 2510, ENG 2520

ENG 0201 American Literature before the Civil War

-JCC: ENG 2550

ENG 0202 American Literature since the Civil War

-JCC: ENG 2560

ENG 0203 British Literature before 1800

-JCC: ENG 2610

ENG 0204 British Literature after 1800

-JCC: ENG2620

ENG 0205 Introduction to Shakespeare

-JCC: ENG 2830

ENG 0214 Introduction to Literature by Women

ENG 0218 Introduction to Literature and the Environment

ED 0255 Readings in Children's Literature

-JCC: EDU 2440

ENG 1306 20th Century Irish Literature

ENG 1307 19th Century American Literature

ENG 1315 British Literature of the Romantic Era

CLP 0208 French Literature in Translation

CLP 0216 Modern African Literature: The Novel

CLP 0220 Caribbean Literature and Cultures

CLP 1310 Postcolonial Theory and Literature

CLP 1320 African Literature and Spirituality

#### **20th-Century Courses**

ENG 1305 20th Century British Literature

ENG 1306 20th Century Irish Literature

ENG 1308 20th Century American Literature

ENG 1310 Contemporary American Poetry

ENG 1410 Major Authors (when 20th century)

ENG 1450 Topics in Literature (when 20th century)

CLP 0204 20th-Century Prose Narrative

CLP 0206 Hispanic Literature in English

CLP 0216 Modern African Literature: the Novel

CLP 1301 The Modernist Tradition

-JCC: ENG 2580

CLP 1310 Postcolonial Literature

CLP 1320 African Literature and Spirituality

EDUC 0275 Adolescent Literature

-JCC: ENG 2650

#### **Genre Courses**

ENG 0103 Introduction to Poetry

ENG 0106 Introduction to Short Story

ENG 0207 American Poetry

ENG 1301 Contemporary American Poetry

ENG 1309 Major American Novels

CLP 0207 Short Fiction in Spanish

CLP 0216 Modern African Literature: the Novel  
THEA 0203 Play Analysis  
THEA 1310 Shakespearean Performances

**Other Required Courses**

One Arts and Letters General Education course in Theatre, Music, or Visual Art (3 credits). ***This also counts toward the general education requirements.***

*-JCC: 3 credits in any ART, DAN, MUS, or THE*

WRITNG 1451 Capstone: Writing

Foreign language proficiency through and including the intermediate level (or the equivalent)