



ARTICULATION AGREEMENT
FOR AS DEGREE GRADUATES
BETWEEN PALM BEACH STATE COLLEGE
AND BROWARD COLLEGE'S BS IN ENVIRONMENTAL SCIENCE

This Articulation Agreement between Palm Beach State College and Broward College was accepted and approved by the participating entities on this 30 day of May, 2019.

Purpose:

The intention of this agreement is to formally establish an articulation mechanism for graduates of an AS Degree in Environmental Science Technology at Palm Beach State College (PBSC) to transfer into the Bachelor of Science Environmental Science (BSES) at Broward College (BC). This agreement provides an opportunity for students who enroll in the AS Degree at PBSC and take the prescribed course work (Appendix A) to complete the Bachelor of Science in Environmental Science at BC.

Palm Beach State College will:

1. Communicate to AS graduates that when they transfer to the BC BSES they are subject to all BC and any other applicable Florida regulations, policies and undergraduate admission and graduation requirements and standards.
2. PBSC will facilitate promotion of this agreement in various ways. This includes:
 - a. Allowance of BC BSES recruitment personnel to attend college recruitment functions to speak to students or alumni of the AS degree.
 - b. Allowance of BC recruitment personnel to meet with PBSC academic advisors to ensure proper information is provided to PBSC students.

Broward College will:

1. Accept an AS degree in Environmental Science Technology from Palm Beach State College which includes courses outlined in Appendix A successfully completed with a minimum cumulative grade point average of 2.5 into the Bachelor of Science in Environmental Science degree.
2. Provide transcript review and advisement for each student as part of Broward College's BSES degree completion processes.
3. Periodically review and evaluate the performance of PBSC graduates who transfer into BC by assessing students' academic preparation and their success at BC. General findings will be shared between program managers and serve as a criterion for renegotiation of this agreement.
4. Waive the letter of recommendation requirement for entry into the BC BSES program.
5. Use the PBSC AS course EVS2870C Wildlife Ecology as an alternate second biology course for entry into the Biosecurity track.
6. Use EVR2266 Survey of Environmental Mapping/GIS/Remote Sensing as GIS1040C.
7. Use SPC 1017 Fundamentals of Speech Communication to satisfy Speech Communications General Education requirement.



8. BC will accept PBSC AS program's computer competency requirement (i.e. CGS 1100 or exam) in lieu of BC's computer competency requirements (CGS1060c or exam).

As part of this agreement, BC and PBSC will:

1. Publicize this agreement among students, advisors, and faculty.
2. Monitor the academic performance of students enrolling under this agreement.
3. Identify problems and work together cooperatively to adjust details of course sequences and content so that students can transfer without academic disruptions.
4. Have a program representative serve on each other's Advisory Committees.
5. Notify each other in writing regarding any contemplated curricular changes that would affect the future of this agreement.

To foster communication between BC and PBSC, the following individuals will serve as liaison officers for matters relating to this agreement:

Broward College	Palm Beach State College Environmental Science Technology AS Program
Dr. David Serrano, Environmental Science BS/AS Program Manager Broward College 3501 SW Davie Road Building 7, Room 140 Davie, FL 33314 954-201-6401 dserrano@broward.edu	Dr. Jessica Miles, Environmental Science Technology Department Chair Palm Beach State College MS #45 3160 PGA Blvd Palm Beach Gardens, FL 33410-2893 561-207-5220 milesj@palmbeachstate.edu
Christine Sammon Environmental Science BS program Coordinator Broward College 3501 SW Davie Road Building 7, Room 125 Davie, FL 33314 954-201-6733 csammon1@broward.edu	Julie Sivigny Accreditation & Curriculum Resource Manager Palm Beach State College MS #51 4200 S. Congress Avenue Lake Worth, FL 33461 561-868-3914

Responsibilities of Both Institutions

Changes to this agreement by either institution can be incorporated only by a written amendment, as mutually agreed to and signed by authorized representatives of both parties.

No party shall, except with prior written consent of the other party on each occasion, make any press or media announcements concerning this agreement, or use the name, logos or trademarks of the other party, or any version, abbreviation or representation of them in any advertising, publicity of any kind, including but not limited to fundraising, without the permission of the party whose name, logo or



trademark is sought to be used. Notwithstanding the foregoing, the parties may make factual statements during the term of the agreement to the general effect that the agreement exists, that it is between the parties and that the purpose is to facilitate the enrollment of PBSC graduates into the Broward College Bachelor of Science in Environmental Science.

This agreement will be effective during the 2018-2019 academic year of both institutions and shall remain in effect for a period of two years, at which time a five-year renewal can be negotiated upon positive evaluation of the collaboration under the agreement. This agreement may be terminated without cause by either party upon thirty (30) days prior written notice to the other party.

If this agreement is terminated by either party, it will not affect students who have already been accepted and enrolled into either the PBSC Environmental Science Technology AS degree or the BC BSES program. However, students enrolled in the PBSC AS program must successfully complete the program requirements and transfer to BC BSES within three years after the effective date of the termination of this agreement.

BROWARD COLLEGE

PALM BEACH STATE COLLEGE

DocuSigned by:
Marielena DeSanctis
Dr. Marielena DeSanctis, Provost and Senior Vice President of Academic Affairs and Student Success

Ava L. Parker, J.D.
Ava L. Parker, J.D.
President

5/30/2019
Date

2/11/19
Date

Roger L. Yohe, Ph.D.
Roger L. Yohe, Ph.D.
Vice President, Academic Affairs

2/7/19
Date



APPENDIX A

The following are the lower division courses required to facilitate the transfer of the Palm Beach State College AS in Environmental Science Technology degree into the Broward College Bachelor of Science in Environmental Science degree outlined in this articulation agreement.

1. The Environmental Science Technology AS program at PBSC will be comprised of the following courses:

Course	Title	Credits
GEA1000	Principles of Geography and Conservation* †	
	-or-	
	Any course from Social Science - Area V*	3
BSC1010	Principles of Biology 1*	3
BSC1010L	Principles of Biology 1 Lab *	1
EVR1001	Introduction to Environmental Science*	3
ENC1101	College Composition I* †	3
MAC1105	College Algebra* †	3
HSC2100	Health Concepts and Strategies* †	3
CHM1045	General Chemistry I*	3
CHM1045L	General Chemistry 1 Lab*	1
GLY2030C	Environmental Geology	3
ORH2511	Introduction to Plants of South Florida Ecosystems	3
EVR2266	Survey of Environmental Mapping/GIS/Remote Sensing	3
SPC1017	Fundamentals of Speech Communication* †	3
EVS2193C	Environmental Sampling Techniques	4
EVS2015	Writing for Science	3
EVS2020	Scientific Monitoring and Data Methods	3
	Any course from Humanities - Area II* †	3
EVS2870C	Wildlife Ecology	4
EVR2858	Environmental Law	3
EVS2601	Hazardous Materials and Environmental Air Quality	3
EVR1007	Florida's Environmental History	3
EVR2940	Cooperative Work Experience-Environmental Science	3
Total Program Credits: 64		

* Indicates PBSC General Education course

† Indicates PBSC Gordon Rule course

2. BC will accept as General Education credits those courses which PBSC considered General Education courses, provided that the courses are passed with a C or higher.

3. Students entering the BSES program will need to fulfil the Gordon Rule requirement. BC will accept PBSC Listed Gordon Rule courses as writing courses at BC. Broward College graduates will also need to comply with any and all other college-wide graduation requirements.

4. BC will accept PBSC AS program's computer competency requirement (i.e. CGS 1100 or exam) in lieu of BC's computer competency requirements (CGS1060c or exam).



5. This curriculum is subject to change. For the most current information, students should check with departmental advisors at BC and PBSC.

6. The upper division courses from the BSES program at BC will include the courses listed in the tables for the Biosecurity or Physical Science Concentrations below.

The following tables represent the entire degree path leading to the BS in Environmental Science.

600 Environmental Science BS		
Biosecurity Concentration		
Course	Course Title/Subject	Credit
Lower Division Credits (PBSC AS degree)		
GEA1000	Principles of Geography and Conservation * †	
	-or-	
	Any course from Social Science - Area V*	3
BSC1010	Principles of Biology 1*	3
BSC1010L	Principles of Biology 1 Lab *	1
EVR1001	Introduction to Environmental Science*	3
ENC1101	College Composition I* †	3
MAC1105	College Algebra* †	3
HSC2100	Health Concepts and Strategies* †	3
CHM1045	General Chemistry I*	3
CHM1045L	General Chemistry 1 Lab*	1
GLY2030C	Environmental Geology	3
ORH2511	Introduction to Plants of South Florida Ecosystems	3
EVR2266	Survey of Environmental Mapping/GIS/Remote Sensing	3
SPC1017	Fundamentals of Speech Communication* †	3
EVS2193C	Environmental Sampling Techniques	4
EVS2015	Writing for Science	3
EVS2020	Scientific Monitoring and Data Methods	3
	Any course from Humanities - Area II* †	3
EVS2870C	Wildlife Ecology	4
EVR2858	Environmental Law	3
EVS2601	Hazardous Materials and Environmental Air Quality	3
EVR1007	Florida's Environmental History	3
EVR2940	Cooperative Work Experience-Environmental Science	3
TOTAL		64
Upper Division Credits Broward College		
ENC 1102	Composition II	3
	Any course from Humanities which meets core/tier requirement	3
	Any course from Social/Behavioral category which meets core/tier requirement	3
CGS1060C	Computer and Internet Literacy OR passing score on test	3
BSC4846	Scientific Communication	3
GLY4746	Global Environmental Change	3



Biosecurity Concentration <i>continued</i>		
Course	Course Title/Subject	Credit
PBC4043	Introduction to Ecology	3
PCB4054C	Biostatistics with Lab	4
SWS3022	Introduction to Soil Science	3
Any 1 additional GIS course		3
BSC4948 OR BSC4911	Senior Internship OR Senior Research	3
ALS4163	Challenges in Plant Resource Protection	3
ENY3005	Principles of Entomology	2
ENY3005L	Principles of Entomology Lab	1
ENY4161	Insect Classification	3
PCB3023	Molecular and Cellular Biology	3
PCB3063	Genetics	3
PCB3063L	Genetics Lab	1
PLP3002C	Fundamentals of Plant Pathology	3
BSES Electives		3
Foreign Language Requirement	Per Florida law, students must have 2 credits of a sequential foreign language in high school or 8 credits of a sequential foreign language in college	
Total for BSES degree		120

* Indicates PBSC General Education course

†Indicates PBSC Gordon Rule course



600 Environmental Science BS		
Physical Science Concentration		
Course	Course Title/Subject	Credit
Lower Division Credits (PBSC AS degree)		
GEA1000	Principles of Geography and Conservation * †	
	-or-	
	Any course from Social Science - Area V*	3
BSC1010	Principles of Biology 1*	3
BSC1010L	Principles of Biology 1 Lab *	1
EVR1001	Introduction to Environmental Science*	3
ENC1101	College Composition I* †	3
MAC1105	College Algebra* †	3
HSC2100	Health Concepts and Strategies* †	3
CHM1045	General Chemistry I*	3
CHM1045L	General Chemistry 1 Lab*	1
GLY2030C	Environmental Geology	3
ORH2511	Introduction to Plants of South Florida Ecosystems	3
EVR2266	Survey of Environmental Mapping/GIS/Remote Sensing	3
SPC1017	Fundamentals of Speech Communication* †	3
EVS2193C	Environmental Sampling Techniques	4
EVS2015	Writing for Science	3
EVS2020	Scientific Monitoring and Data Methods	3
	Any course from Humanities - Area II* †	3
EVS2870C	Wildlife Ecology	4
EVR2858	Environmental Law	3
EVS2601	Hazardous Materials and Environmental Air Quality	3
EVR1007	Florida's Environmental History	3
EVR2940	Cooperative Work Experience-Environmental Science	3
TOTAL		64
Upper Division Credits Broward College		
ENC 1102	Composition II	3
	Any course from Humanities which meets core/tier requirement	3
	Any course from Social/Behavioral category which meets core/tier requirement	3
CGS1061C	Computer And Internet Literacy OR passing score on test	3
BSC4846	Scientific Communication	3
GLY4746	Global Environmental Change	3
PBC4043	Introduction to Ecology	3
PCB4054C	Biostatistics with Lab	4
SWS3022	Introduction to Soil Science	3
Any 1 additional GIS Course		3
GLY4203	Physical Geology	3



Physical Science Concentration <i>continued</i>		
Course	Course Title/Subject	Credit
GLY4731	Coastal and Marine Science	3
GLY4820	Hydrogeology	3
GLY4820L	Hydrogeology Lab	1
MET4700	Atmospheric Processes	3
OCE3008	Advanced Oceanography	3
PSC4948 OR PSC4912	Internship OR Independent Study	3
BSES Electives		6
Foreign Language Requirement	Per Florida law, students must have 2 credits of a sequential foreign language in high school or 8 credits of a sequential foreign language in college	
Total for BSES degree		120

* Indicates PBSC General Education course

† Indicates PBSC Gordon Rule course