<center>
Memo of Agreement Regarding Articulation
The Pennsylvania State University for University College
and
Community College of Beaver County
</center>

PURPOSE

The Pennsylvania State University, on behalf of the University College and Community College of Beaver County establish this *Memorandum of Agreement Regarding Articulation* to facilitate the matriculation of students from Community College of Beaver County to Penn State University Colleges campuses. The purpose of the agreement is to provide a pathway for students who have successfully completed a transfer associate degree program at Community College of Beaver County to transition to a parallel baccalaureate degree program at the University College campuses with a goal of improving student completion and degree attainment. The agreement defines admission criteria, the academic programs included in the agreement, process for the evaluation of transfer credits and academic advising services to support students in their transition from Community College of Beaver County to the Penn State University College campuses.

PROCEDURES

A. Admissions Requirements

Community College of Beaver County students apply to Penn State by submitting the Penn State undergraduate admissions application and official transcripts from Community College of Beaver County and any other colleges or universities attended. The application fee will be waived.

Students who complete an AA, AFA, AS or AAS transfer degree program included in Appendix A, are in good standing, and have a minimum grade-point average of 2.00 are guaranteed admission to Penn State. Criteria for transfer admission to academic programs may also include successful completion of specific course requirements.

Community College students can request dual admission to a Penn State Commonwealth campus by submitting an *Intent to Enroll Form* during their enrollment at Community College of Beaver County. Students will receive a conditional offer of admission to a Penn State Commonwealth Campus. During the last semester of enrollment at the community college, dual admitted students will complete and submit a transfer application via MyPennState. The admissions application fee will be waived. Penn State Commonwealth Campuses will report monthly the names of any students who submit the *Intent to Enroll Form* to the PA Community College transfer advisers.

Students will be asked to notify Penn State of any criminal history prior to enrollment. A prior criminal history issue will not necessarily disqualify a student from attending Penn State but may be subject to further review.

GPA is calculated using the GPA reported by CCBC, in addition to all other institutions where a student has attempted college coursework.

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B. Academic Programs

The Penn State baccalaureate programs included in the terms of the agreement are detailed in Appendix A and may be updated by the parties without renewing the memo of agreement.

Programs stated in Addendum A will articulate 60 credits of associate degree courses to be applied to degree requirements in a specific Penn State Commonwealth Campus baccalaureate major. Any exception to articulate fewer than 60 credits toward PSU degree requirements must be approved by academic leadership of the PA Community College and the Penn State Commonwealth Campus.

Program-to-program transfer guides outlining the specific course equivalencies and approved substitutions for each academic program are included in the agreement. The guides were developed in consultation with Community College of Beaver County and Penn State disciplinary faculty and are included as Addendum B.

Majors not specified in Addendum A, including those offered at other Penn State college and campuses are not covered by the terms of this agreement. Therefore, students admitted under this agreement who seek to enter a major at another Penn State college/campus, would be evaluated based on the advanced standing admissions criteria of that college and campus.

Penn State Evaluation of Transfer Credits

Specific course transferability and equivalency, presented in Addendum B were determined by disciplinary faculty and are communicated through transfer course tables maintained by Penn State's Undergraduate Admissions Office in the student information system.

Community College of Beaver County courses evaluated as equivalent to Penn State courses or approved as general credit within a discipline, with grades of C (2.0) or higher, will be added to the student's Penn State academic transcript by the Undergraduate Admissions Office.

Transferability of courses not specified in the program-to-program guides will be reviewed by the Undergraduate Admissions Office on a case-by-case basis. Syllabi are required to support all course evaluations.

Courses evaluated as general requirements were reviewed by the Penn State faculty in the discipline of the course and in some cases, were applied as substitutions for specific degree requirements.

The curriculum transfer guides, in effect at the time a student first enrolls at Community College of Beaver County, will be honored by Penn State if the student completes an AA or AS degree program named in the agreement and successfully transfers to a Penn State University College within four years of their first enrollment at Community College of Beaver County, i.e., for students admitted in fall 2024 the agreement will be honored until spring 2028.

Courses/credits earned through Advanced Placement (AP), College-Level Examination Program (CLEP), or other testing programs will be evaluated according to Penn State's established criteria.

Credit evaluation for prior learning activity, for example military education experience and credit by portfolio will be assessed according to Penn State policy and through the process established by Penn State University College.

C. Cost of Attendance, Student Aid and Scholarship Eligibility

Penn State participates in all the major federal and state student aid programs. Scholarships are awarded based on merit and/or financial need as defined by the specific scholarship program. Students who submit a Free Application for Federal Student Aid (FAFSA) to Penn State are considered for scholarships awarded by various University awarding units.

PA Community College students who transfer to a Penn State Commonwealth Campus will earn a Penn State degree at considerable savings, paying $5,000 to $8,000 less (depending on the campus) in annual, full-time, upper division tuition as compared to Penn State's University Park campus.

Penn State will participate in the RaiseME Transfer Scholarship initiative and will provide grants up to a maximum of $7,000 to PA Community College students upon transfer who meet the following eligibility requirements:

- Follow Penn State Commonwealth campuses at [RaiseMe](),
- Enroll and earn micro-scholarships during enrollment at a PA Community College,
- Be a U.S. Citizen or Permanent Resident,
- Maintain a minimum cumulative grade-point average of 2.8; and,
- File the Free Application for Federal Student Aid (FAFSA) annually.

  PA Community Colleges will support and promote the RaiseMe Transfer initiative on their campuses.

D. Academic Advising and Transition

Community College of Beaver County and Penn State University College campuses will work in partnership to develop and implement a plan to strengthen their shared roles in academic advising and transition support services.

Penn State University College campuses and Community College of Beaver County will make advising materials and course equivalency information available to students via their respective websites.

Penn State University College campuses will be permitted to support the transition of students enrolled at a Community College via outreach initiatives that might include scheduled advising visits at the PA Community College or through invitation to visit the PSU Commonwealth Campus.

Penn State University College campuses will provide a dedicated transfer counselor and offer an academic orientation to transferring students for the purpose of providing academic advising and orientation to academic and technology resources, student life and career services, and financial aid and billing information.

Admissions and Advising staff from Community College of Beaver County and Penn State University College campuses will meet annually to discuss and enhance student transitions.

E. **Update/Report/Relationship**

The Pennsylvania State University and Community College of Beaver County agree to review the agreement and relevant transfer course equivalencies annually and will each assign an individual to serve as liaisons for the purpose of monitoring and updating the agreement. This agreement may be amended, as needed, for a specific course or program articulation without affecting the currency of the master agreement.

As a component of this review process The Pennsylvania State University will include five years of data showing enrollment and completion by community college students at the University to be updated annually.

F. **Amendments and Term of Effect**

This document constitutes the entire agreement and terms of understanding between The Pennsylvania State University on behalf of Penn State University College campuses and Community College of Beaver County and supersedes any other prior agreements or understandings between the two parties.

The master agreement will be reviewed annually and revised as necessary. All revisions are to be approved by each institution's official signatories. This Agreement will have a term of one (1) year starting from the last date provided below and will automatically renew for successive one (1) year terms, not to exceed (5) years.

This agreement may be terminated by either party upon written notice to the other party of an intention to terminate. Such notice will be effective only if given one year prior to the intended date of termination.

In the event that this agreement is terminated, curriculum transfer guides, in effect at the time a student first enrolls at Community College of Beaver County in the AA, AFA, AS, or AAS programs identified in Addendum A will be honored for students who complete an AA or AS degree program and successfully transfers to Penn State University College campuses within four years of their first enrollment at Community College of Beaver County.

[SIGNATURES APPEAR ON THE FOLLOWING PAGE]

FOR THE PENNYSLVANIA STATE UNIVERSITY

_____   DATE: _____7/25/2024_____

Dr. Jeff Adams
Interim, Vice Provost for Undergraduate Education
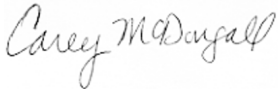
_____   DATE: __7/25/2024_____

Dr. Margo DelliCarpini
Vice President and Executive Chancellor
Commonwealth Campuses

_____   DATE: _____

Dr. Matt Melvin
Vice President, Enrollment Mana`gement

                                                                July 11, 2024
_____   DATE: _____

Dr. Carey McDougall
Regional Chancellor and Chief Academic Officer
Penn State Beaver and Shenango

_____   DATE: July 22, 2024_____

Dr. Lindsey Simon-Jones
Interim Chancellor and Chief Academic Officer
Penn State Fayette

                                                                July 18, 2024
_____   DATE: _____

Dr. Megan Nagel
Regional Chancellor and Chief Academic Officer
Penn State Greater Allegheny

FOR THE PENNYSLVANIA STATE UNIVERSITY (continued)

_____   DATE: 7/22/24 _____
Dr. Kevin Snider
Chancellor
Penn State New Kensington

FOR COMMUNITY COLLEGE OF BEAVER COUNTY

_____   DATE: _____ 7/16/2024 _____
Dr. Roger W. Davis
President, Community College of Beaver County

Addendum A: *Penn State Programs included in the Agreement*

1. Biology, B.S (Beaver, Brandywine, Schuylkill, Scranton and York)
2. Business, B.S. (Beaver, Brandywine, DuBois, Fayette, Hazleton, Greater Allegheny, New Kensington, Schuylkill, Shenango, Wilkes-Barre, York, Lehigh Valley, Mont Alto, and Scranton)
3. Criminal Justice, B.A./B.S. (Beaver, Fayette, Greater Allegheny, Hazleton, Lehigh Valley, New Kensington, Schuylkill, Shenango and Wilkes-Barre)
4. Cyber Security Analytics and Operations B.S. (Beaver, Brandywine, Greater Allegheny, Lehigh Valley, Shenango, Schuylkill, and York.
5. Human Development and Family Studies B.S. (Brandywine, DuBois, Fayette, Mont Alto, Shenango, Scranton and York.
6. Information Technology, B.S. (Beaver, Brandywine, DuBois, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Wilkes-Barre, Scranton and York.
7. Multidisciplinary Studies, B.S. (Brandywine, DuBois, Greater Allegheny, Hazleton, Mont Alto, Shenango and Scranton.
8. Project and Supply Chain Management, B.S. (Beaver, Brandywine, Greater Allegheny, Lehigh Valley, Mont Alto, New Kensington, Scranton and York
9. Psychology B.S. (Beaver, Brandywine, Fayette, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Scranton and York.

Addendum B Program to Program Articulations

Program to Program Articulation

Community College of Beaver County Associate in Biological Sciences
Penn State Baccalaureate in Science in Biology

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Program delivered at Penn State Beaver, Brandywine, Lehigh Valley, Schuylkill, Scranton, York

Community College of Beaver County			PSU University College			
Biological Sciences (AA) **https://www.ccbc.edu/programs/Biological-Sciences**			**Biology, B.S.** **https://bulletins.psu.edu/undergraduate/colleges/university-college/biology-bs/**			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
BIOL 101 & BIOL 102	General Biology I & General Biology II	4 + 4	ETM Gen Ed & Major Requirement	BIOL 110 + BIOL XFRGN1	4 + 4	Direct
CHEM 101	General Chemistry I	4	Major Prescribed Courses	CHEM 110 & CHEM 111	3+1	Direct
CIST 100	Introduction to Information Tech	3	Elective	MIS XFRGEN	3	Direct
WRIT 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15	3	Direct
TAOC Category Three	Recommended: MATH 160 and MATH 161	8	Major Prescribed Course and General Education Quantification (GQ)	MATH 140 and MATH 141	4+4	Direct
CHEM 102	General Chemistry II	4	Major Prescribed Course	CHEM 112 & 113	3+1	Direct
TAOC Category Six (LITR)	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260	3	General Education Arts (GA) or General Education Humanities (GH)	ENGL 212 (GA) ENGL 1 (GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US)	3	Direct

	LITR 262			ENGL 2 (GH; IL)		
BIOL 215	Microbiology	4	Not usable in program	MICRB 106 & 107		
CHEM 201	Organic Chemistry I	4	Option Requirement	CHEM 210 + CHEM XFRGN2	3+1	Direct
COMM 201	Public Speaking	3	General Education Writing and Speaking (GWS)	CAS 100	3	Direct
PSYC 101	General Psychology	3	General Education Social and Behavioral Science (GS)	PSYCH 100	3	Direct
BIOL 210	Genetics	4	Major Supporting Course	BIOL 222 + BIOL XFR200	3 + 1	Direct
CHEM 202	Organic Chemistry II	4	Option Requirement	CHEM 212 + CHEM XFRGN2	3+1	Direct
PHIL 101 or PHIL 110	Introduction to Philosophy or Introduction to Ethics	3	General Education Humanities (GH)	PHIL 1 or PHIL 3	3	Direct
SOCI 101	Principles of Sociology	3	General Education Social and Behavioral Science (GS)	SOC 1	3	Direct
	Total CCBC Credits:	61		Total Penn State Credits:	57	

Entrance to Biology major at Penn State requires completion of BIOL 110, CHEM 110 (CCBC CHEM 101), MATH 140 (CCBC MATH 160), and BIOL 220W, BIOL 230W, or BIOL 240W. Students entering without these requirements will be accepted to pre-major status to complete the required courses at Penn State.

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate in Science in Business
Penn State Baccalaureate in Science in Business (BSBUC_BS)

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Program delivered at Penn State Beaver, Brandywine, DuBois, Fayette, Hazleton, Greater Allegheny, New Kensington, Schuylkill, Shenango, Wilkes-Barre, York, Lehigh Valley, Mont Alto, and Scranton

Community College of Beaver County BUSINESS ADMINISTRATION (AA) https://www.ccbc.edu/programs/business-administration			PSU University College BUSINESS ADMINISTRATION (BS) https://bulletins.psu.edu/undergraduate/colleges/university-college/business-bs/			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	BUSM 255	3	General Education Social Science (GS) and Prescribed Major Requirement	ECON 104 (GS)	3	Direct
Major	BUSM 256	3	General Education Social Science (GS) and Prescribed Major Requirement	ECON 102 (GS)	3	Direct
Major	BUSM 112	3	Prescribed Major Requirement	MGMT 301	3	Direct
Major	BUSM 205	3	Major Additional Requirement	BLAW XFR 200 for BA 243	3	Substitution
Major	BUSM 245	3	Prescribed Major Requirement	MKTG 301	3	Direct
Major	CIST 100	3	Elective	MIS XFRGEN	3	Direct
Major	DATA 110	3	Elective	IST XFR100		Direct
Major	COMM 201 *recommended* or COMM 110	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) or CAS 203 for Elective	3	Direct
Major	BUSC 220	3	Elective	BA XFR100	3	Direct
Major	BUSM 108	3	Elective	ENTR XFR100	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct

TAOC Six (LITR)	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260 LITR 262	3	General Education Humanities (GH)	ENGL 212 (GA) ENGL 1 (GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL)	3	Direct
Major	MATH 126	4	Additional Course in Major and General Education Quantification (GQ)	STAT 200 (GQ)	4	Direct
Major (Select 2 courses)	*MATH 101, 129 or 130 (*recommended) MATH 155 Or Business Elective	6-8	Additional Course in Major and General Education Quantification (GQ) Elective	MATH 21 (GQ) MATH 41 Elective	6-8	Direct
Major	ACCT 110 and ACCT 111	3 3	Major Requirement Elective	ACCTG 211 & General Transfer Credit	4 2	Direct Substitution
TAOC FIVE Social Sciences	*Select one of the following:* PSYC 101 SOCI 101 SOCI 115 ANTH 101	3	General Education (GS) – Gen Ed Exploration	PSYCH 100 SOC 1 SOC 30 ANTH 1	3	Direct
Major	BUSM 270	3	Prescribed Major Requirement	Not Transferrable		
TAOC 4 Science Elective (recommended) or Business Elective	Select-3credits from the following: BIOL 100 BIOL 101 BIOL 102 BIOL 201 &BIOL 202 CHEM 101 CHEM 102 CHEM 106 PHYS 101 PHYS 102 PHYS 105 Business Elective	3	General Education Natural Science (GN) Or Elective	BIOL 11/12 (GN) BIOL XFRGN1 (GN) BIOL XFRGN1 (GN) BIOL 161/162 & BIOL 163/164 CHEM 110/111 (GN) CHEM 112/113 (GN) CHEM 101 & XFRGEN PHYS XFRGN2 PHYS 251(GN) PHYS XFRGN0 Elective	3	Direct Substitution Substitution Direct Direct Direct Direct Direct/Substitution Substitution Direct Substitution Substitution

Total CCBC Credits		62	Total PSU Credits		62	

* Entrance to the Business degree requires PSU ECON 102 and MATH 21. Students can meet these requirements by completing CCBC BUSM 256 and MATH 101.

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate in Science in Criminal Justice
Penn State Baccalaureate in Science in Criminal Justice (CRMUC_BS)
Penn State Baccalaureate in Arts in Criminal Justice (CRMUC_BA)

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Programs delivered at Penn State Beaver, DuBois, Fayette, Greater Allegheny, Hazelton, Lehigh Valley, New Kensington, Schuylkill, Shenango, and Wilkes-Barre

Community College of Beaver County			PSU University College			
CRIMINAL JUSTICE (AAS) https://www.ccbc.edu/programs/criminal-justice-applied-science			CRIMINAL JUSTICE (BS or BA) https://bulletins.psu.edu/undergraduate/colleges/university-college/criminal-justice-bs/#programrequirementstext https://bulletins.psu.edu/undergraduate/colleges/university-college/criminal-justice-ba/#programrequirementstext			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	CIST 100	3	Elective	MIS XFRGEN	3	Direct
Major	COMM 201	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS)	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct
Major	PSYC 1011	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS)	3	Direct
Major	CRIM 100	3	Prescribed Course in Major	CRIM J 100	3	Direct
Major	CRIM 124	4	Prescribed Course in Major	CRIMJ 210	3	Direct
Major	CRIM 133	3	Additional Course in Major for BS	CRIM J XFR100	3	Substitution
Major	CRIM 212	3	Additional Course in Major for BS, Elective for BA	CRIM J XFR200	3	Substitution
Major	CRIM 206	3	Additional Course in Major for BS, Elective for BA	CRIMJ XFR200	3	Substitution
Major	CRIM 210	3	Additional Course in Major	CRIM J XFR200	3	Substitution
Major	CRIM 232	3	Supporting Course for BS, Elective for BA	CRIMJ J 234	3	Direct

Major	CRIM 125	3	Additional Course in Major	CRIM J 230	3	Direct
Major	CRIM 230	3	Prescribed Course in Major	CRIM J 12/SOC 12	3	Direct
Major	CRIM 233	3	Additional Course in Major	CRIM J 220	3	Substitution
TAOC SIX	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260 LITR 262	3	General Education Humanities (GH) or General Education Arts (GA)	ENGL 212 (GA) ENGL 1(GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL)	3	Direct
Major	POLS 101	3	General Education Social and Behavioral Sciences (GS)	PL SC 001 (GS)	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct
Major	PSYC 208	3	Supporting Course for B.S.	PSYCH 270	3	Direct
CRIM Elective	CRIM 115 or CRIM 120	3	Supporting Course for B.S.	CRIM XFR100	3	Substitution
TAOC THREE and FOUR	Choose two BIOL 100 BIOL 101 BIOL 102 BIOL 105 BIOL 106 BIOL 110 BIOL 115	6-8	General Science (GN)	BIOL 11 & BIOL 12 BIOL XFRGN1 BIOL XFRGN1 BIOL XFRGN1 BIOL XFRGN1 BISC 1 BISC 4 + BISC XFRGEN	6-8	Direct
Total CCBC Credits		63-65	Total PSU Credits		63-65	

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate in Cybersecurity
Penn State Baccalaureate in Science in Cyber Analytics and Operations

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Programs delivered at Penn State Beaver, Brandywine, Greater Allegheny, Lehigh Valley, Schuylkill, York

Community College of Beaver County			PSU University College			
Cybersecurity (AA) https://www.ccbc.edu/programs/cybersecurity			Cybersecurity Analytics and Operations, B.S. https://bulletins.psu.edu/undergraduate/colleges/university-college/cybersecurity-analytics-operations-bs/			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
CIST 100 or DATA 100 (recommended)	Introduction to Information Tech or Survey of Information Science	3	Major Requirement Supporting Course in Applications Development Focus	MIS XFRGEN for IST 110	3	Substitution Direct
CISN 100	CISCO I-Network Fundamentals	5	*Major Requirement Prescribed Course + Electives	IST XFR100 and IST XFR 100 combined for IST 220	3 + 7	Substitution
CISN 110	CISCO II-Routing Protocols and Conc	5				
CISF 150	Cloud Computing	3	*Major Requirement Additional Course and Electives	IST XFR 100 and CMPSC XFR100 combined for CYBER 100	3 +3	Substitution
CISN 203	Linux Operating Systems	3				

WRIT 101	English Composition	3	Major Additional Course and General Education Writing and Speaking (GWS)	ENGL 15	3	Direct
CISN 200	Client Operating Systems	3	Does not apply to degree	CMPSC XFR100 for CMPSC 100	0	
CISF 180	Cloud Security	3	Major Requirement Prescribed Course + electives	CMPSC XFR200 and CMPSC XFR 100 combined for CYBER 262	3 + 3	Substitution
CISN 206	Linux Administration	3				
TAOC Category Six (LITR)	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260 LITR 262	3	General Education Arts (GA) or General Education Humanities (GH)	ENGL 212 (GA) ENGL 1 (GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL)	3	Direct
CISF 210	Cybersecurity I	3	Major Requirement Prescribed Course	SRA 111	3	Direct
CISF 220	Cybersecurity II	3	Major Requirement Prescribed Course	SRA 221	3	Direct
CISN 223	Virtualization	3	Elective	IST XFR 200	3	Direct
CISF 240	Cybersecurity: Law and Ethics	3	Major Requirement Prescribed Course	CYBER XFR200 for SRA 211	3	Substitution
CISN 204	Enterprise Server Systems	3	Does not apply to degree	IST XFR200	0	

COMM 110 or COMM 201 (recommended)	Interpersonal Communication or Public Speaking	3	Does not apply to degree Major Prescribed Course and General Education Writing and Speaking (GWS)	CAS 203 or CAS 100 (recommended)	3	Direct
TAOC Category Three	Recommended MATH 126	4	Major Requirement Additional Course and General Education Quantification	STAT 200*	4	Direct
CISF 120	Computer Forensics & Investigation	3	Does not apply to degree		0	
CIST 260 or CISN 223	CIS Internship or Ethical Hacking & Network Defense	3	Does not apply to degree. Elective	IST 295 or IST XFR200	3	
TAOC Category Five	Reference General Education Chart.	3	General Education Humanities		3	
	Total CCBC Credits	65		Total Penn State Credits:	43	

*Entrance to the Cybersecurity Analytics and Operations requires completion of CYBER 100 or CYBER 100S; IST 210(CCBC CISN 215); IST 220(CCBC CISN 220), IST 242 or CMPSC 122 or CMPSC 132; STAT 200 (CCBC MATH 126). Students entering without these requirements will be accepted to pre-major status to complete the required courses at Penn State.

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate of Arts in Early Learning and Development
Penn State Baccalaureate in Human Development and Family Studies

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Delivered at Penn State Brandywine, DuBois, Fayette, Mont Alto, Scranton, Shenango and York

Community College of Beaver County SOCIAL SCIENCE (AA) https://www.ccbc.edu/programs/early-learning-and-development			PSU University College HUMAN DEVELOPMENT AND FAMILY STUDIES (BS) https://bulletins.psu.edu/undergraduate/colleges/university-college/human-development-family-studies-bs/			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	CIST 100	3	Elective	MIS XFRGEN	3	Direct
Major	COMM 201	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS)	3	Direct
Major	PSYC 101	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS)	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS)	3	Direct
Major	ERCH 100	3	Option Supporting Course	ECE XFRGEN	3	Substitution
	ERCH 105	3	Major Requirement: Additional Course	ECE XFRGEN	3	Substitution
	ERCH 101	3	Elective	CI XFR200	3	Direct
	ERCH 103	3	Option Supporting Course	ECE XFRGEN	3	Substitution
	SOCI 115	3	Additional Course	SOC 30 (GWS)	3	Direct
	HIST 101 or 102	3	General Education Humanities (GH) and International Cultures requirement	HIST 1 or HIST 2 (GH:IL)	3	Direct
	ERCH 205	3	Option Supporting Course or Elective	ECE XFR100	3	Direct
	ERCH 212	3	Option Supporting Course or Elective	ECE XFRGEN	3	Substitution
	EDUC 220	3	Elective	CI XFR100	3	Direct
	EDUC 230	3	Elective	SPLED XFRGEN	3	Substitution

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	ERCH 200	3	Elective	EDUC XFRGEN	3	Substitution
	ERCH 250	3	Elective	ECE XFRGEN	3	Substitution
Social Science Electives (TAOC Category Five)	*Select 6 credits from the following:* ANTH 101 BUSM 255 BUSM 256 HIST 101 HIST 102 HIST 111 HIST 112 POLS 101 PSYC 101 PSYC 106 OR PSYC 210 PSYC 205 SOCI 101 SOCI 210	6	General Education Exploration	ANTH 1 ECON 104 (GS) ECON 102 (GS) HIST 1 HIST 2 HIST 20 HIST 21 PLSC 1 PSYCH 100 PSYCH 212 EDPSY XFR100 SOC 1 SOC 5	6	Direct Direct Direct Direct Direct
TAOC Category Six (LITR)	Select one of the following: LITR 205 LITR 210 LITR 217 LITR 260 LITR 262	3	General Education Humanities (GH) or General Education Arts (GA)	ENGL 212 (GA) (3) ENGL 1 (GH) (3) CMLIT 10 (GH; IL) (3) ENGL 103 (GH; US) (3) ENGL 2 (GH; IL)	3	Direct
Science Elective (TAOC Category Four)	Select one: BIOL 100 BIOL 101 BIOL 102 BIOL 201 BIOL 202 CHEM 101 CHEM 102 CHEM 106 PHYS 101 PHYS 102 PHYS 105	4	Natural Science (GN)	BIOL 11 & 12 BIOL XFRGN1 BIOL XFRGN1 BIOL 161 & 162 BIOL 163 & 164 CHEM 110 & 111 CHEM 112 & 113 CHEM 101 & XFRGEN PHYS XFRGN2 PHYS 251 PHYS XFRGN0	4	Direct
Total CCBC Credits		61	Total PSU Credits		61	

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program-to-Program Articulation

Community College of Beaver County, Associate Degree in Computer Science
Penn State, Baccalaureate Degree in Information Technology

Options in Application Development, Business Applications, Custom Information Technology, Cybersecurity, Networking and Security Risk Analysis
Not all options are delivered at each campus. Refer to Bulletin link below to verify the options delivered at each campus.

Offered at Beaver, Brandywine, DuBois, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Scranton, Shenango,Wilkes-Barre, and York.

Community College of Beaver County			PSU University College			
Associate in Computer Science https://www.ccbc.edu/programs/computer-science			**Information Technology https://bulletins.psu.edu/undergraduate/colleges/university-college/information-sciences-technology-bs/**			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
CIST 100 or DATA 100 (recommended)	Introduction to Information Tech or Survey of Information Science	3	Major Requirement Additional Course Requirement	MIS XFRGEN for IST 110 IST 110*	3	Substitution Direct
CISW 214	Database Principles & Applications	3	Major Requirement Prescribed Course Requirement + Electives	IST XFR200 and CMPSC XFR 200 combined for IST 210*	3 + 3	Direct
CISW 215	Distributed Database Systems	3				
CISW 205	Programming in C#	3	Elective	CMPSC XFR100	3	Elective
MATH 160	Calculus I	4	Major Additional Course	MATH 140	4	Direct
WRIT 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15	3	Direct
COMM 201	Public Speaking	3	General Education Writing and Speaking (GWS)	CAS 100	3	Direct
MATH 126	Statistics	4	Major Requirement Additional Course	STAT 200	4	Direct

TAOC Category Five	*Select one of the following:* Recommended: PSYC 101 POLS 101 BUSM 255 BUSM 256	3	Major Additional Course and General Education Social and Behavioral Science (GS)	PSYCH 100 PLSC 1 ECON 104 ECON 102	3	Direct
TAOC Category Six (LITR)	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260 LITR 262	3	General Education Humanities (GH) or General Education Arts (GA)	ENGL 212 (GA) ENGL 1 (GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL)	3	Direct
CISW 101	Client-Side Script Language	3	Does not apply to degree	IST XFR200	0	Direct
CISW 201	Object Oriented Programming I	3	Major Requirement Additional Course	CMPSC XFR100 CMPSC 131*	3	Substitution
MATH 205	Found of Discrete Math	4	Major Requirement Prescribed Course	MATH XFRGQ2 for IST 230.	3	Substitution
BIOL 101 & BIOL 102 or CHEM 101 & CHEM 102	General Biology I & II or General Chemistry I & II	4+4	General Education Natural Science (GN)	BIOL XFRGN1 & XFRGN1 CHEM 110, 111, 112, 113	4+4 3+1+3+1	Direct
TAOC Category Six	*Select one of the following:* LITR 205 LITR 210 LITR 217 LITR 260 LITR 262 MUSI 101 PHIL 101 PHIL 110	3	General Education Arts (GA) or General Education Humanities (GH)	ENGL 212 (GA) ENGL 1 (GH) CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL) MUSIC 005 (GA; US) PHIL 1 (GH) PHIL 3 (GH)	3	Direct
CISW 202	Object Oriented Programming II	3	Elective	CMPSC XFR100	3	Direct
CISW 206	Server-Side Programming Languages	3	Major Requirement Additional Course	IST XFR200 for IST 256	3	Substitution

TAOC Category Five	Recommended: SOCI 210	3	Major Additional Course and General Education Social and Behavioral Science (GS)	SOC 5	3	Direct
	Total LCCC Credits	62		Total PSU Credits	59	

*Entrance to major requires IST 110 (CCBC DATA 100), or CYBER 100 or 100S; IST 140 or CMPSC 121 or CMPSC 131 (CCBC CISW 201); IST 210 (CCBC CISW 215 and IST 220(CCBC CISN 220). Students admitted to Penn State without these courses will be admitted to pre-major status and may complete the entry courses at PSU.

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English, but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate in English
Penn State Baccalaureate in Multidisciplinary Studies

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

In order to be eligible for entrance to the major, the student must submit a proposal. In consultation with a Multidisciplinary Studies adviser, the student formulates a proposal designing a program that investigates a theme from the viewpoint of at least three different subject areas. Students may not duplicate existing majors from any academic area. An important standard for entrance to the multidisciplinary Studies major is the student's ability to design a program with academic integrity worthy of a bachelor of arts degree.

Delivered at Penn State Brandywine, DuBois, Greater Allegheny, Hazelton, Mont Alto, Shenango, and Scranton

Community College of Beaver County			PSU University College			
ENGLISH (AA) https://www.ccbc.edu/programs/english			MULTIDISCIPLINARY STUDIES (BA) https://bulletins.psu.edu/undergraduate/colleges/university-college/multidisciplinary-studies-ba/			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	CIST 100	3	Elective	MIS XFRGEN	3	Direct
Major	COMM 201	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS)	3	Direct
Major	PSYC 101	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS)	3	Direct
Major	SOCI 101	3	General Education Social and Behavioral Sciences (GS)	SOC 1 (GS)	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct
Major	LITR 210	3	Elective	ENGL 1 (GH)	3	Direct
Major	LITR 207	3	General Education Humanities (GH)	ENGL 263	3	Direct
Major	LITR 262	3	General Education Humanities (GH)	ENGL 2 (GH; IL)	3	Substitution
Major	MATH 126	4	General Education Quantification (GQ)	STAT 200	4	Direct
Major	WRIT 201	3	General Education Arts (GA)	ENGL 212 (GA)	3	Direct

Major	LITR 208	3	General Education Humanities (GH)	ENGL 268 (GH)	3	Direct
Major	LITR 217	3	General Education International Cultures (GH; IL)	CMLIT 10	3	Direct
Major	LITR 260	3	General Education United States Cultures (US)	ENGL 103	3	Direct
Major	SOCI 231	3	General Education United States Cultures (US; GH)	AFAM 103	3	Direct
History Elective	HIST 101 and	3	General Education Humanities (GH)	HIST 1 (GH; IL)	3	Direct
	HIST 111	3	General Education Humanities (GH)	HIST 20 (GH; US)	3	Direct
Liberal Arts Elective (TAOC Category Six)	Select 3 credits from the following: MUSI 101 PHIL 101 PHIL 110	3	General Education Arts (GA) *6 cr.* and Bachelor of Arts *3cr.*	MUSIC 005 (GA) PHIL 1 PHIL 3	3	Direct Direct Direct
Math Elective (TAOC Category Three) *3 cr.*	MATH 101, 129 OR MATH 130 MATH 155 MATH 160 MATH 161	3-4	**Not usable in program** General Education Quantification (GQ) *3 cr.*	MATH 21 MATH 41 MATH 140 (GQ) MATH 141 (GQ)	3-4	Direct Direct Direct
Science Elective (TAOC Category Four)	Select two of the following: BIOL 100 BIOL 101 BIOL 102 BIOL 201 &BIOL 202 CHEM 101 CHEM 102 CHEM 106 PHYS 101 PHYS 102 PHYS 105	8	General Education Natural Science (GN)	BIOL 11/12 BIOL XFRGN1 BIOL XFRGN1 BIOL 161/162 & 163/164 CHEM 110/111 CHEM 112/113 CHEM 101/XFRGEN PHYS XFRGN2 PHYS 251 PHYS XFRGN0	8	Direct Substitution Substitution Direct Direct Direct Direct Substitution Direct Substitution
Total CCBC Credits		63-64			63-64	

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate in Science in Business
Penn State Baccalaureate in Science in Project and Supply Chain Management

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Program delivered at Penn State Beaver, Brandywine, Fayette, Greater Allegheny, Hazleton, Lehigh Valley, Monto Alto, New Kensington, Shenango, Schuylkill, Wilkes-Barre, Scranton, and York

Community College of Beaver County BUSINESS (AS) https://www.ccbc.edu/programs/business-administration			PSU University College PROJECT AND SUPPLY CHAIN MANAGEMENT (BS) https://bulletins.psu.edu/undergraduate/colleges/university-college/project-supply-chain-management-bs/#programrequirementstext			
BUSINES (AS)			BUSINESS ADMINISTRATION (BS)			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	BUSM 255	3	General Education Social Science (GS) and Prescribed Major Requirement	ECON 104 (GS)	3	Direct
Major	*BUSM 256	3	General Education Social Science (GS) and Prescribed Major Requirement	ECON 102 (GS)	3	Direct
Major	BUSM 112	3	Prescribed Major Requirement	MGMT 301	3	Direct
Major	BUSM 205	3	Prescribed Major Requirement	BLAW XFR200 for BA 243	3	Substitution
Major	BUSM 245	3	Prescribed Major Requirement	MKTG 301	3	Direct
Major	CIST 100	3	Elective	MIS XFRGEN	3	Substitution
Major	COMM 201 *recommended* or COMM 110	3	General Education Writing and Speaking (GWS) or Elective	CAS 100 (GWS) or CAS 203	3	Direct Direct
Major	BUSC 220	3	Elective	BA XFR100	3	Direct
Major	BUSM 108	3	Elective	ENTR XFR100	3	Direct
Major	*WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct
Major (TAOC Category Six (LITR))	Select one of the following: LITR 205 LITR 210	3	General Education Humanities (GH) or General Education Arts (GA)	ENGL 212 (GA) ENGL 1 (GH)	3	Direct

				CMLIT 10 (GH; IL)		
	LITR 217 LITR 260 LITR 262			CMLIT 10 (GH; IL) ENGL 103 (GH; US) ENGL 2 (GH; IL)		
Major	DATA 110	3	Elective	IST XFR100	3	Direct
Major	BUSM 270	3	Prescribed Major Requirement	Not Transferrable	3	No Substitution
Major	*MATH 126	4	Additional Course in Major and General Education Quantification (GQ)	STAT 200 (GQ)	4	Direct
Major (Select 2 courses)	Select TWO of the following: *MATH 160 (recommended) MATH 155 MATH 101, 129, 130 or Business Elective	6 -8	Additional Course in Major and General Education Quantification (GQ) Elective	MATH 140 (GQ) MATH 41 Math 21 Elective	4	Direct
Major	*ACCT 110 and *ACCT 111	3 3	Major Requirement Elective	ACCTG 211 & ACCTG XFRGEN	4+2	Direct
TAOC FIVE Social Sciences	Select one of the following: PSYC 101 SOCI 101 SOCI 115 ANTH 101	3	General Education Arts (GS) - Gen Ed Exploration	PSYCH 100 SOC 1 SOC 30 ANTH 1	3	Direct Direct Direct Direct
TAOC FOUR Science Elective (recommended) or Business Elective	Select 8 3 credits from the following: BIOL 101 BIOL 102 BIOL 201 & BIOL 202 CHEM 101 CHEM 102 PHYS-101 PHYS 102 PHYS 105	3	General Education Natural Science (GN) Or Elective	BIOL XFRGN1 BIOL XFRGN1 BIOL 161/162 BIOL 163/164 CHEM 110/111 (GN) CHEM 112/113 PHYS XFRGN2 PHYS 251 PHYS XFRGN0	3	Direct Direct Direct Direct Direct Direct Substitution Direct Substitution

	Business Elective			Elective		Direct
Total CCBC Credits		62	Total PSU Credits		62	

* Entrance to Project Management and Supply Chair requires completion of all * courses ACCT 110 and 111, BUSM 256, MATH 126, MATH 160, and WRIT 101. Students who transfer without completion of these courses may be admitted to pre-major status if they have completed at minimum MATH 155.

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Program to Program Articulation

Community College of Beaver County Associate of Arts in Psychology
Penn State Baccalaureate in Psychology (PYAUC/PSYUC)

Although not required for transfer admissions, students who graduated from high school in 2001 or later and have not completed the required two high school foreign language units must fulfill this high school requirement by completing one semester of a college level foreign language. This requirement is considered a high school foreign language requirement and cannot be counted towards the completion of a baccalaureate degree.

The evaluation of prior college courses not appearing below is done on an individual basis by the Penn State Admissions Office. Students should work closely with their academic adviser at CCBC and with the Penn State Admission office when scheduling courses.

Delivered at Penn State Beaver, Brandywine, Fayette, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Scranton, York

Community College of Beaver County			PSU University College			
PSYCHOLOGY (AS) https://www.ccbc.edu/programs/psychology			PSYCHOLOGY (BA/BS) http://bulletins.psu.edu/undergrad/programs/baccalaureate/P/PSCBA http://bulletins.psu.edu/undergrad/programs/baccalaureate/P/PSCBS			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
Major	CIST 100	3	Elective	MIS XFRGEN	3	Direct
Major	COMM 201	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS)	3	Direct
Major	PSYC 101	3	Prescribed Course in Major	PSYCH 100 (GS)	3	Direct
Major	SOCI 101	3	General Education Social and Behavioral Sciences (GS)	SOC 1 (GS)	3	Direct
Major	WRIT 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	Direct
Major	Choose One PSYC 106 PSYC 210 PSYC 205	3	Additional Courses or Elective	PSYCH 212 or EDPSY XFR000	3	Direct
Major	PSYC 105	3	Additional Course	PSYCH 221	3	Direct
Major	PSYC 221	3		PSYCH XFR200	3	
Major	MATH 126	4		STAT 200	4	

Major	PSYC 105	3		PSYCH 221	3	
Psychology Elective	*Select one of the following:* PSYC 201 or PSYC 208	3	200-level Psychology courses	PSYCH 238 (GS) PSYCH 270	3	Direct
TAOC Category Three	MATH 129 OR MATH 130 MATH 155 MATH 160 MATH 161	3-4		Math 21 MATH 41 MATH 140 MATH 141	3-4	Direct
Science Elective (TAOC Category Four)	BIOL 102 BIOL 201 & BIOL 202 CHEM 101 CHEM 102 CHEM 106 PHYS 101 PHYS 102 PHYS 105	4		BIOL XFRGN1 (GN) BIOL 161/162 & BIOL 163/164 (GN) CHEM 110/111 (GN) CHEM 112/113 (GN) CHEM 101 & XFRGEN PHYS XFRGN2 PHYS 251(GN) PHYS XFRGN0	4	Substitution Direct Direct Direct Direct Substitution Direct Substitution
Science courses	BIOL 100 or BIOL 101	4		BIOL 11/12 XFRGN1	4	
TAOC Category five	*Select one of the following:* ANTH 101 BUSM 255 or BUSM 256 HIST 101 HIST 102 HIST 111 HIST 112 POLS 101 SOCI 101 SOCI 210	3		ANTH 1 ECON 104 or ECON 102 HIST 1 HIST 2 HIST 20 HIST 21 PLSC 1 SOC 1 SOC 5	3	
TAOC Category five or six	*Select two of the following:* ANTH 101 BUSM 255 or BUSM 256 HIST 101	6		ANTH 1 ECON 104 or ECON 102 HIST 1	6	

	HIST 102 HIST 111 HIST 112 POLS 101 SOCI 101 SOCI 210 LITR 207 LITR 210 LITR 217 LITR 260 LITR 262 MUSI 101 PHIL 101 PHIL 110 SPAN 101 SPAN 102			HIST 2 HIST 20 HIST 21 PLSC 1 SOC 1 SOC 5 ENGL 263 ENGL 1 (GH) CMLT 10 ENGL 103 ENGL 2 MUSIC 5 PHIL 1 PHIL 3 SPAN XFR000 SPAN XFRGEN		
TAOC Category six	*Select two of the following:* LITR 207 LITR 210 LITR 217 LITR 260 LITR 262 MUSI 101 PHIL 101 PHIL 110 SPAN 101 SPAN 102	6		ENGL 263 ENGL1 (GH) CMLIT 10 ENGL 103 ENGL 2 (GH;IL) MUSIC 5 PHIL 1 PHIL 3 SPAN XFR000 SPAN XFRGEN	6	

Total CCBC Credits		61			61	

Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English, but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

General Education at Penn State
Notes for Transferring Students
Effective Summer 2023

Many classes you complete at your community college will transfer to Penn State as general education requirements. In addition to the information shared below, you can learn more about these requirements at General Education | Penn State (psu.edu).

The list of courses on the following page provides courses at your community college that meet Penn State general education requirements as of the publication date of this agreement. Please refer to Penn State's transfer tool at Transferring Credits Tool - Undergraduate Admissions (psu.edu) for the most up-to-date list of courses that are equivalent to PSU general education courses.

Some PSU majors require specific courses that meet both major and general education requirements. Please consult the program-to-program guide for your intended major.

Below you will find the standard 45 credit general education program. **Please consult the Penn State campus where you plan to enroll with specific questions.**

Foundation Courses - Build a basis of effective communication and quantitative literacy 15 credits required		
	Credits	**Additional Information**
Writing and speaking (GWS)	9	
Quantification (GQ)	6	3 to 6 credits are selected from math, applied mathematics, and statistics; a maximum of 3 credits may be selected from computer science or symbolic logic.
Knowledge Domain Breadth – Practice applying a specific way of constructing knowledge to examine a topic. **15 credits required**		
	Credits	**Additional Information**
Health and Wellness (GHW)	3	Penn State requires at least 3 credits of Single Domain (not Inter-domain) coursework in each of the Knowledge Domains (GA, GH, GHW, GN, GS).
Natural Sciences (GN)	3	
Arts (GA)	3	
Humanities (GH)	3	
Social and Behavioral Studies (GS)	3	
Integrative Studies- Practice synthesizing knowledge from different perspectives to examine a topic. **6 credits required**		
	Credits	**Additional Information**
Inter-domain courses (Inter-D). These courses typically have a N or Q after the PSU course number.	6	If you are unable to schedule courses that transfer as **Integrative Studies Courses**, you are advised to delay scheduling six (6) credits until you transfer to PSU.
Exploration - Follow intellectual curiosity to deepen or widen learning **9 credits required**		
	Credits	**Additional Information**
Additional GA, GH, GN, GS, and Inter-domain courses.	9	Must include 3 credits of GN course which may be Inter-domain. May include 3 credits of World Language at the 12th credit level (e.g., SPAN 3 equiv.)

Office of the Vice President for Commonwealth Campuses_10_23

General Education Equivalencies

The following Community College of Beaver County courses will meet PSU General Education requirements. Students should consult the program-to-program guides above when selecting general education courses and are advised to consult with PSU Undergraduate Admissions staff with questions. Additional CCBC courses may satisfy PSU General Education courses upon submission of syllabi by the student and review and approval by PSU.

Community College of Beaver County			Penn State University, University College		
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS
*RECOMMENDED General Education **Arts** elective courses*			*Recommend taking **two** General Education **Arts** (GA) courses*		
FILM 101	Cinema as Art	3	COMM 150N (GA; GH)	The Art of the Cinema	3
FINE 205	Three-Dimensional Design	3	ART 30 (GA)	Introduction to Sculpture	3
FINE 210	Two-Dimensional Design	3	ART 10 (GA)	Introduction to Visual Studies	3
FINE 220	Digital Photography	3	PHOTO XFRGA1 (GA)	Transfer Credit GA	3
LITR 205	Introduction to Fiction	3	ENGL 212 (GA)	Introduction to Fiction Writing	3
LITR 208	Drama Craft	3	ENGL 268 (GA)	Introduction to Theatre	3
MUSI 101	Introduction to Music	3	MUSIC 5 (GA)	An Introduction to Western Music	3
VISC 105	Digital Illustration	3	GD XFRGA (GA)	Transfer Credit GA	3
VISC 125	Photography: Film & Light	3	PHOTO XFRGA1 (GA)	Transfer Credit GA	3
VISC 220	Digital Photography	3	PHOTO 100 (GA)	Introduction to Photography	3
WRIT 201	Creative Writing Workshop	3	ENGL 212 (GA)	Introduction to Fiction Writing	3
*RECOMMENDED General Education **Humanities** elective courses*			*Recommend taking **two** General Education **Humanities** (GH) courses*		
FILM 101	Cinema as Art	3	COMM 150N (GA; GH)	The Art of the Cinema	3
HIST 101	Western Civilization I	3	HIST 1 (IL; GH)	Western Civilization I	3
HIST 102	Western Civilization II	3	HIST 2 (IL; GH)	Western Civilization II	3

HIST 111	US History I	3	HIST 20 (US; GH)	American Civilization to 1877	3
HIST 112	US History II	3	HIST 21 (US; GH)	American Civilization Since 1877	3
LITR 210	Concepts of Literature	3	ENGL 1 (GH)	Introduction to Literature	3
LITR 217	World Literature	3	CMLIT 10 (IL; GH)	World Literatures	3
LITR 260	American Literature	3	ENGL 103 (US; GH)	The Great Traditions in English Literature	3
LITR 262	British Literature	3	ENGL 2 (GH; IL)	The Great Traditions in American Literature	3
PHIL 101	Introduction to Philosophy	3	PHIL 1 (GH)	The Big Questions	3
PHIL 110	Introduction to Ethics	3	PHIL 3 (GH)	Ethical Life	3
SOCI 231	Cultural Diversity in the American Society	3	AFAM 103 (US; GH)	Racism and Sexism	3
*RECOMMENDED General Education **Mathematics** elective courses*			*Recommend taking **two** General Education **Quantification** (GQ) courses*		
CIST 150	C++ Program	3	CMPSC 101 (GQ)	Introduction to Programming	3
Math 101, 129, or130	College Algebra	3	MATH 21 (GQ)	College Algebra	3
MATH 112	Mathematics for Elementary I	3	MATH 200 (GQ)	Problem Solving in Mathematics	3
MATH 126	Statistics	4	STAT 200 (GQ)	Elementary Statistics	4
MATH 155	Pre-Calculus	3	MATH 41 (GQ)	Trigonometry and Analytic Geometry	3
MATH 160	Calculus I	4	MATH 140 (GQ)	Calculus With Analytic Geometry I	4
MATH 161	Calculus II	4	MATH 141 (GQ)	Calculus with Analytic Geometry II	4
*RECOMMENDED General Education **Science** elective courses*			*Recommend taking **three** General Education **Natural science** (GN) courses, **one** with Lab*		
AVIP 121	Aviation Meteorology	3	METEO XFRGN (GN)	Transfer Credit GN	3
BIOL 100	Principles of Biology	4	BIOL 11 & 12 (GN)	Introductory Biology I & Introductory Biology II	3+1

BIOL 101	General Biology I	4	BIOL XFRGN1 (GN)	Transfer Credit GN	4
BIOL 102	General Biology II	4	BIOL XFRGN1 (GN)	Transfer Credit GN	4
BIOL 201	Human Anatomy & Physiology I	4	BIOL 161 & 162 (GN)	Human Anatomy and Physiology I & Human Anatomy and Physiology I	3+1
BIOL 202	Human Anatomy & Physiology II	4	BIOL 163 & 164 (GN)	Human Anatomy and Physiology II & Human Anatomy and Physiology II Lab	3+1
BIOL 215	Microbiology	4	MICRB 106 & 107 (GN)	Elementary Microbiology & Elementary Microbiology Laboratory	3+1
CHEM 101	General Chemistry I	4	CHEM 110 & 111 (GN)	Chemical Principles I & Experimental Chemistry I	3+1
CHEM 102	General Chemistry II	4	CHEM 112 & 113 (GN)	Chemical Principles II & Experimental Chemistry II	3+1
CHEM 105	Principles of Biological Chemistry	3	CHEM 101	Introductory Chemistry	3
CHEM 106	Principles of Chemistry	4	CHEM 101 (GN) & XFRGEN	Introductory Chemistry/Transfer Credit	3+1
PHYS 101	College Physics I	4	PHYS XFRGN2 (GN)	Transfer Credit GN	4
PHYS 102	College Physics II	4	PHYS 251 (GN)	Introductory Physics II	4
PHYS 105	Physical Science	4	PHYS XFRGN0 (GN)	Transfer Credit GN	4
PHYS 202	University Physics I	4	PHYS 211 (GN)	General Physics: Mechanics	4
PHYS 203	University Physics II	4	PHYS 212 (GN)	General Physics: Electricity and Magnetism	4
*RECOMMENDED General Education **Social Science** elective courses.*			*Recommend taking **two** General Education **Social and behavioral sciences** (GS) courses*		
ANTH 101	Principles of Anthropology	3	ANTH 1 (IL; GS)	Understanding Humans	3
AVIP 150	Human Factors in Aviation	3	PSYCH XFRGS2 (GS)	Transfer Credit GS	3
BUSC 110	Interpersonal Communications	3	CAS 203 (GS)	Interpersonal Communication	3

BUSM 255	Macroeconomics	3	ECON 104 (GS)	Introductory Macroeconomic Analysis and Policy	3
BUSM 256	Microeconomics	3	ECON 102 (GS)	Introductory Microeconomic Analysis and Policy	3
CISF 210-3	Cybersecurity I	3	SRA 111 (GS)	Introduction to Security and Risk Analysis	3
COMM 110	Interpersonal Communication	3	CAS 203 (GS)	Interpersonal Communication	3
COMM 230	Team Development	3	CAS 250 (GS)	Small Group Communication	3
CRIM 100	Introduction to Criminal Justice Systems	3	CRIMJ 100 (GS)	Introduction to Criminal Justice	3
CRIM 230	Criminal Theory	3	SOC 12 (GS)	Criminology	3
DATA 100	Survey of Information Sciences	3	IST 110 (GS)	Information, People and Technology	3
ECON 255	Macroeconomics	3	ECON 104 (GS)	Introductory Macroeconomic Analysis and Policy	3
ECON 256	Microeconomics	3	ECON 102 (GS)	Introductory Microeconomic Analysis and Policy	3
POLS 101	American National Government	3	PLSC 1 (US; GS)	American Politics: Principles, Processes and Powers	3
PSYC 101	General Psychology	3	PSYCH 100 (GS)	Introductory Psychology	3
PSYC 105	Social Psychology	3	PSYCH 221 (GS)	Introduction to Social Psychology	3
PSYC 106	Human Growth and Development	3	PSYCH 212 (GS)	Introduction to Developmental Psychology	3
PSYC 201	Psychology of Personality	3	PSYCH 238 (GS)	Introduction to Personality Psychology	3
PSYC 210	Child Psychology	3	PSYCH 212 (GS)	Introduction to Developmental Psychology	3
SOCI 101	Principles of Sociology	3	SOC 1 (GS)	Introductory Sociology	3
SOCI 115	Marriage and Family	3	SOC 30 (GS)	Sociology of the Family	3
SOCI 210	Contemporary Social Problems	3	SOC 5 (GS)	Social Problems	3
*RECOMMENDED General Education **Health and Wellness** elective courses*			*Recommend taking **3 credits** of General Education **Health and Wellness** courses*		
HPER 220	Nutrition	3	NUTR XFR (GHA)	Introductory Principles of Nutrition	3
*RECOMMENDED General Education **Writing and Speaking** elective courses*			*Recommend taking **three** General Education **Writing and Speaking** (GWS) courses*		
COMM 201	Public Speaking	3	CAS 100 (GWS)	Effective Speech	3
PREP 015	Introduction to College Writing	4	ENGL 15 (GWS) & ENGL XFRGEN	Rhetoric and Composition & ENGL XFRGEN	3+1

WRIT 101	English Composition	3	ENGL 15 (GWS)	Rhetoric and Composition	3
WRIT 102	English Composition II	3	ENGL 202B (GWS)	Writing/Humanities	3
WRIT 103	Writing for Business & Technology	3	ENGL 202C (GWS)	Technical Writing	3
*RECOMMENDED General Education **Foreign Language** elective courses*			*Recommend taking* <u>*two*</u> *General Education **Foreign Language** courses*		
SPAN 101	Spanish I	3	SPAN XFR000		
SPAN 102	Spanish II	3	SPAN XFRGEN		
SPAN 103	Spanish III	3	SPAN XFRG000		
*RECOMMENDED General Education **Inter-Domain** elective courses*			*Recommend taking* <u>*two*</u> *General Education **Inter-Domain** courses*		
FILM 101	Cinema as Art	3	COMM 150N (GA; GH)	The Art of the Cinema	3