

**Memo of Agreement Regarding Articulation
Between University College and
Luzerne County Community College**

PURPOSE

The Pennsylvania State University, on behalf of the University College campuses and Luzerne County Community College establish this Memorandum of Agreement Regarding Articulation to facilitate the matriculation of students from Luzerne County Community College to the University College Commonwealth campuses of The Pennsylvania State University. The purpose of the agreement is to provide a pathway for students who have successfully completed a transfer associate degree program at Luzerne County Community College to transition to a parallel baccalaureate degree program at the Penn State University College Commonwealth campuses. The agreement defines admission criteria and processes, evaluation of transfer credits and academic advising services to support students in their transition from Luzerne County Community College to a Penn State University College Commonwealth campus.

PROCEDURES

A. Admissions Requirements

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

Students must complete an AA, AS or AAS transfer degree program, be in good standing, free of probation, and have a minimum grade-point average of 2.00 to be eligible for admission to a University College Commonwealth campus. Criteria for transfer admission may also include successful completion of specific course requirements. Students seeking admission to Engineering at Hazleton must complete the Pre-Engineering Associate in Science degree, complete the specified entry-to-major courses and have a minimum grade-point average of 2.50 to be eligible for admission.

GPA is calculated from all attempted and completed courses from Luzerne County Community College and from all colleges/universities previously attended. The GPA will be calculated using all courses and grades, including repeated courses.

The Penn State majors included in the terms of the agreement are detailed in Addendum A. All programs are not delivered at every campus.

Majors not specified in Addendum A, including majors 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.

B. Evaluation of Transfer Credits

Specific course transferability and equivalency was determined through the transfer course tables maintained by Penn State's Undergraduate Admissions Office in the student information system.

Luzerne County Community College 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.

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 Luzerne County Community College and University College disciplinary faculty and are included as Addendum C.

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 University College campus 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 Luzerne County Community, will be honored by Penn State University College campuses if the student completes an AA or AS degree program and successfully transfers to a Penn State University College campus within four years of their first enrollment at Luzerne County Community, i.e., for Luzerne County Community College students admitted in fall 2018, the agreement will be honored until spring 2022.

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 University College.

C. Academic Advising and Transition

Penn State and Luzerne County Community College will maintain course equivalency information on their respective websites and admissions and course articulation information will be made available to students through the transfer advising services at Luzerne County Community College.

The Penn State University College Commonwealth campuses will 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 all Luzerne County Community College campuses and Penn State Commonwealth campuses will meet annually to discuss and enhance student transitions.

D. Update/Report/Relationship

The Pennsylvania State University and Luzerne County Community College 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 specific course or program articulation without affecting the currency of the master agreement.

E. Amendments and Term of Effect


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

Addendum B includes additional terms and conditions specifically requested by Luzerne County Community College and approved by both parties.

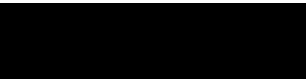
The master agreement will be reviewed annually and revised as necessary. All revisions are to be approved by each institution's official signatories. This Agreement will have a term of one (1) year starting from the last date provided below and will automatically renew for successive one (1) year terms,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

This master 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 360 days 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 Luzerne County Community College, will be honored for students who complete an AA or AS degree program and successfully transfers to a UC campus within four years of their first enrollment at Luzerne County Community College.



Dr. Robert N. Pangborn 1/26/18
Vice President and Dean for Undergraduate Education Date
The Pennsylvania State University



Dr. Madlyn L. Hanes 1/25/18
Vice President for Commonwealth Campuses, and Executive Chancellor Date
Dean of the University College
The Pennsylvania State University



Dr. Gary M. Lawler 2/27/18
Chancellor, Penn State Hazleton Date



Dr. Tina Richardson 2/27/18
Chancellor, Penn State Lehigh Valley Date

[REDACTED]
Dr. Darcy L. Medica
Interim Chancellor, Penn State Schuylkill

2/27/18
Date

[REDACTED]
Dr. V. Dale Jones
Chancellor and Chief Academic Officer, Penn State Wilkes-Barre

2/27/18
Date

[REDACTED]
Dr. Marwan Wafa
Chancellor, Penn State Scranton

2/27/2018
Date

[REDACTED]
Thomas P. Leary
President, Luzerne County Community College

2-27-2018
Date

Addendum A: *Penn State Commonwealth Campus Majors Included in the Agreement*

The Penn State Commonwealth campus majors included in the terms of the agreement are detailed below. All programs are not delivered at every campus.

The Penn State majors included in terms of the agreement are the Bachelor of Arts and Bachelor of Science in Administration of Justice (AJAUC_BA/AJSUC_BS), Bachelor of Science in Biology(BIOUC_BS), Bachelor of Science in Business (BSBUC_BS), Bachelor of Science in Corporate Communications (CCUC_BA), Bachelor of Arts in English (ENGUC_BA), Bachelor of Science in Health and Human Development (HFSUC_BS) Bachelor of Science in Information Sciences and Technology (ISSUC_BS), Bachelor of Arts in Letters, Arts and Sciences (LASUC_BA), Bachelor of Arts and Bachelor of Science in Psychology (PYSUC_BS/PYAUC_BA), Bachelor of Science in Rehabilitation and Human Services (RHSUC_BS) and Bachelor of Science in Science (SCIUC_BS), all delivered by University College. In addition, the agreement includes the Bachelor of Science in Engineering(GE_BS), delivered at Hazleton.

Addendum B: General Terms and Conditions

1. This Agreement represents the entire understanding between the Parties and can be modified only in writing with the same formality as the original Agreement.
2. The Parties understand that they shall act in an independent capacity in the performance of this Agreement, and shall not be considered as employees, agents, affiliates, or subsidiaries of each other. Neither Party shall have the right to bind or obligate the other in any manner inconsistent with or unrelated to this Agreement.
3. This Agreement is governed by the laws of the Commonwealth of Pennsylvania.
4. Neither Party shall assume any liabilities as a result of this Agreement. As to liability to each other or death to persons, or damages to property, the Parties do not waive any defense as a result of entering into this Agreement. Nothing herein shall be construed as a waiver of any immunities afforded LCCC by law or otherwise.
5. Luzerne County Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. For a complete copy of the LCCC non-discrimination policy, go to <http://portal.luzerne.edu/forms/dc.pdf>. Inquiries may be directed to the Title IX Coordinator, John Sedlak, Dean of Human Resources, LCCC, 1333 South Prospect Street, Nanticoke, Pennsylvania, 18634, 800-377-5222 extension 7234. Inquiries related to accessibility services for students may be directed to the Section 504 Coordinator, Rosana Reyes, Dean of Student Development and Enrollment Management, LCCC, 1333 South Prospect Street, Nanticoke, Pennsylvania, 18634, 800-377-5222 extension 7423.
6. The Articulating Institutions agrees that they are Equal Opportunity Employers.
7. Any notices to be given hereunder by any Party to the other may be affected with by personal delivery in writing or by mail, registered or certified, postage prepaid with return receipt requested. Mailed notices shall be addressed to the Parties at the addresses set forth hereinafter, but each Party may change their address by written notice in accordance with this paragraph. Notices delivered personally shall be deemed communicated as of actual receipt; mailed notices shall be deemed communicated as of five (5) days after mailing.

- a. If to Penn State: Pennsylvania State University
Office of the Vice President for Commonwealth Campuses
111 Old Main
University Park, PA 16801
Copy to: Sr. Associate Dean, University College
Same as Office of the Vice President for Commonwealth Campuses address
- b. If to LCCC: Luzerne County Community College
1333 South Prospect Street
Nanticoke PA 18634
Copy to: Operations Analyst
Same Luzerne County Community College address

Addendum C (1)

Program-to-Program Articulation

Luzerne County Community College, Associate Degree in Criminal Justice
 Penn State, Baccalaureate Degree in Administration of Justice

BS offered at Penn State Schuylkill and BS/BA offered at Penn State Hazleton and Penn State Wilkes-Barre

Luzerne County Community College		Penn State University, University College				
Applied Science in Criminal Justice		Administration of Justice				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
CJU 130	Introduction to Criminal Justice	3	Major Prescribed Course	CRIM 100 (GS) Introduction to Criminal Justice	3	Direct
CJU 132	Criminal Investigation	3	BA and BS: Major Supporting Course	CRIMJ XFR100 Fundamental Techniques of Scientific Criminal Investigation	3	Substitution
CJU 139	Survey of Drugs	3	BA and BS: Major Supporting Course	BB H 143 GHA Drugs, Behavior, and Health (GHA)	3	Direct
CJU 140	Criminal Law	3	Major Prescribed Course	CRIM J 12/ CRIM 12	3	Direct
CJU 141	Delinquency and Juvenile Justice	3	BA and BS: Major Additional Course	SOC 12 Criminology CRIM J 13/ SOC 13 Juvenile Delinquency	3	Direct
CJU electives: Recommend: CJU 238 CJU 257 CJU 245 CJU 259	Police/Pers. Mg./Su Criminal Procedure Crime/Criminology Victimology	12	BA/BS: Major Add. Course BS/BS: Major Add. Course BA: Elective; BS: Supp. Course BA: Elective; BS: Supp. Course	CRIMJ XFR 200 CRIMJ XFR 200 CRIMJ XFR 200 CRIMJ XFR 200	12	Substitution
CJU 242	Police Community Relations	3	BA and BS: Elective	CRIMJ XFR200	3	Substitution
Computer Information Systems: Recommend: CIS 141 CIS 146	Social Media Client Side Web Development I	3	Elective	CMPSX XFR100 IST XFRGEN	3	Substitution

ENG 101	English Composition	3	General Education Writing Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 102 or SPE 125	Advanced Composition or Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Effective Writing: Writing in Social Sciences or CAS 100 (GWS) Effective Speech	3	Direct
HIS 202	American History Since 1865	3	General Education Humanities (GH)	HIST 21 (GH;US) American Civilization Since 1877	3	Direct
POS 101	American Government	3	General Education Social and Behavioral Sciences (GS)	PLSC 1 (GS) Introduction to American National Government	3	Direct
PSY 103	General Psychology	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
SOC 101	Principles of Sociology	3	BS: Major Supporting Course BA: Elective	SOC 1 (GS) Introduction to Sociology	3	Direct
Humanities or History Elective	See Recommended General Education Courses	3	General Education Humanities and Major Additional Course (GH) PHIL 151 recommended	See recommended GH list (PHIL 152 (recommended) will transfer as PHIL 103 (GH) Persons, Moral Values, and the Good Life)	3	Direct
Mathematics Elective	See Recommended General Education Courses	3	General Education Quantification (GQ)	See recommended GQ list	3	Direct
Psychology or Sociology Elective	See Recommended General Education Courses	3	General Education Social and Behavioral Sciences (GS) (3,6,9 substitution for GA)	See recommended GS list.	3	Direct
Science Elective	See Recommended General Education Courses	3	General Education Natural Sciences (GN)	See recommended GN list	3	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Activity (GHA)	See recommended GHA list	1	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFERGEN	1	Direct
	Total LCCC Credits	65		Total PSU Credits	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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (2)

Program-to-Program Articulation

**Luzerne County Community College, Associate Degree in Business Administration
Penn State, Baccalaureate Degree in Business Administration**

Offered at Penn State Hazleton, Lehigh Valley, Schuylkill, Wilkes-Barre and Scranton		Penn State University, University College <i>Bachelor of Science in Business</i> http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BSB						
Luzerne County Community College <i>Business Administration</i> http://www.luzerne.edu/academics/catalogs/2015-16.pdf		REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
ACC 111		Principles of Accounting I		3	Major Prescribed Course	ACCTG 211 + ACCTG XFRGEN	6 (4 for ACCTG 211 + 2 electives)	Direct
ACC 112		Principles of Accounting II		3				
ACC 213		Managerial Accounting		3	Elective	ACCRG XFR 100	3	Substitution
BUS 201		Principles of Marketing		3	Major Prescribed Course	MKTG 301 Principals of Management	3	Direct
BUS 231		Principles of Management		3	Elective	MGMT 100 Survey of Management	3	Direct
Business Elective: BUS 248 recommended		Small Business Management		3	Option Additional course for MGMT/MKTG option Elective for all other options	BA 250 Small Business Management	3	Direct
BUS 251		Human Resource Management		3	Option Supporting Course for FINSV, ACCTG and ENTR options Elective for ACCTG, FINSV, HLSV options	MGMT 341 Human Resource Management	3	Direct
BUS 261		Business Law I		3	Major Prescribed Course	BA 241 + BA XFR200 for BA 241 and 242	2 + 1	Substitution
CIS 110		Introduction to Microcomputers		3	Elective	CMPSC 100	3	Direct
ECO 151		Principles of Economics I		3	Major Prescribed Course and General Education Social and Behavioral Sciences (GS)	ECON 104 (GS) Introductory Macroeconomic Analysis and Policy	3	Direct

ECO 152	Principles of Economics II	3	Major Prescribed Course and General Education Social and Behavioral Sciences (GS)	ECON 102(GS) Introductory Microeconomic Analysis and Policy	3	Direct
FIN 101	Introduction to Finance	3	Major Prescribed Course	FIN 301 Corporate Finance	3	Direct
MAT 107	Basic Statistics	3	Elective	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 102 or BUS 209	Advanced Composition or Business Communications	3	General Education Writing and Speaking (GWS) or Major Additional Course	ENGL 202B (GWS) Effective Writing: Writing in Social Sciences or CAS 252	3	Direct
*MAT 140 or MAT 151	Calculus for Business	3-4	MAT 140 =Elective. *Satisfies the math entry requirement MAT 151 = General Education (GQ) and Major Prescribed Course	*MATH XFRGQ1 or MATH 140 Calculus for Analytical Geometry	3-4	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GSW)	CAS 100 (GWS) Effective Speech	3	Direct
Humanities Elective (Suggest HIS 201)	Western Heritage I	3	General Education Humanities (GH)	HIST 20 (GH) American Civilization to 1877	3	Direct
Social Science Elective	See Recommended General Education Courses	6	General Education Social and Behavioral Sciences (GS) (substitute for GA in 3,6,9)	See recommended GS list	6	Direct
Natural Science Elective	See Recommended General Education Courses	3	General Education Natural Sciences (GN)	See recommended GN list	3	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Physical Activity (GHA)	See recommended GHA list	1	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC Credits	65-66		Total PSU Credits	65-66	
* Major also requires MATH 110 Business Calculus or MATH 140 Calculus with Analytical Geometry I (MAT 151 from LCCC will meet requirement.)						

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (3)

Program-to-Program Articulation

**Luzerne County Community College, Associate Degree in Business Administration
Penn State, Baccalaureate Degree in Corporate Communication**

**Offered at Penn State Hazleton, Lehigh Valley, Schuylkill, Wilkes-Barre and
Scranton**

Luzerne County Community College Business Administration http://www.luzerne.edu/academics/catalogs/2015-16.pdf		Penn State University, University College Bachelor of Arts in Corporate Communication http://bulletins.psu.edu/undergrad/programs/baccalaureate/C/CCBA				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
ACC 111 and ACC 112	Principles of Accounting and Principled of Accounting II	3 +3	Elective	ACCTG 211 (4) and ACCTG XFRGEN (2)	4+2	Direct
ACC 213	Managerial Accounting	3	Elective	ACCTG XFR100	3	Direct
BUS 201	Principles of Marketing	3	Major Prescribed Course	MKTG 301 Principals of Management	3	Direct
BUS 231	Principles of Management	3	Elective	MGMT 100 Survey of Management	3	Direct
Business Elective: BUS 251 recommended.	Human Resource Management	3	Major Additional Course	MGMT 341 Human Resource Management	3	Substitution
BUS 261 and BUS 262 (LCCC Business Elective)	Business Law I and Business Law II	6	Major Additional Course	BA 241 + BA XFR200 & BLAW XFR200	2+1 3	Substitution
CIS 110	Computer Literacy and Applications	3	Elective	CMPS 100 Computer Fundamentals	3	Direct
ECO 151	Principles of Economics I	3	General Education Social and Behavioral Sciences (GS)	ECON 104 (GS) Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 152	Principles of Economics II	3	Major Additional Course	ECON 102 (GS) Introductory Microeconomic Analysis and Policy	3	Direct
MAT 107	Basic Statistics	3	General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct

FIN 101	Introduction to Finance	3	Elective	FIN 301 Corporate Finance	3	Direct
ENG 101	English Composition	3	General Education Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 102 or BUS 209	Business Communications	3	General Education Speaking GWS or Major Additional Course	ENGL 202B (GWS) Effective Writing: Writing in Social Sciences or CAS 252 Business Professional Communication	3	Direct
MAT 140 or MAT 151	Calculus for Business or Analytic Geometry and Calculus I	3 or 4	General Education Quantification (GQ)	MATH XFRGQ1: MATH 140 Calculus with Analytical Geometry I	3 or 4	Direct
SPE 125	Fundamentals of Speech	3	General Education Speaking (GWS)	CAS 100 (GWS) Effective Speaking	3	Direct
Humanities Elective (Suggest HIS 201)	See Recommended General Education Courses	3	General Education Humanities (GH)	HIST 20 (GH;US) American Civilization to 1877	3	Direct
Social Science Elective JOR 100	See Recommended General Education Courses	3	Major Prescribed Course	COMM 100 (GS) The Mass Media and Society	3	Direct
Science Elective	See Recommended General Education Courses	3	General Education Natural Sciences (GN)	See recommended GN list	3	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Activity (GHA)	See recommended GHA list	1	Direct
	Total LCCC 60 Credits	61-62		Total PSU Credits	61-62	

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (4)

Program-to-Program Articulation

Luzerne County Community College, English Associate in Applied Science
Penn State, Baccalaureate Degree in English

Offered at Penn State Wilkes-Barre and Scranton		Penn State University, University College				
Luzerne County Community College		Bachelor of Arts in English				
Associate in Applied Science in English		http://bulletins.psu.edu/undergrad/programs/baccalaureate/E/ENGL				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 104	Writing Humanities	3	Major Supporting Course Requirement and Writing Across the Curriculum Requirement(W)	ENGL 222W British Literature from 1798	3	Direct
HIS 102 or 202	American History Since 1865	3	General Education Humanities (GH) and US requirement	HIST 2 (GH/IL) Western Civilization II or HIST 21 (GH;US) American Civilization Since 1877	3	Direct
PSY 103	General Psychology	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
Sociology Elective (Suggested SOC 101)	Principles in Sociology	3	General Education Social and Behavioral Sciences (GS)	SOC 001 Introductory Sociology (GS)	3	Direct
MAT Elective (Suggested MAT 107)	Basic Statistics	3	General Education Quantification (GQ)	STAT 100 Statistical Concepts and Reasoning (GQ)	3	Direct
ENG 120	Critical Analysis of Literature	3	Elective	ENGL 1 Critical Analysis of Literature	3	Direct
ENG 221	Western Literature I	3	General Education Humanities (GH)	CMLIT XFRGH2 (GH/IL) Introduction to Western Literatures Through the Renaissance	3	Direct
ENG 222	Western Literature II	3	Elective	ENGL XFRGH (GH/IL) Introduction to Western Literatures Since the Renaissance	3	Direct
ENG 223	American Literature I	3	Major Supporting Course Requirement	ENGL 231 American Literature to 1865	3	Direct

ENG 224	American Literature II	3	Major Supporting Course Requirement	ENGL 232 American Literature from 1865	3	Direct
ENG 200	The English Language and Its Grammar	3	Elective	ENGL 100 English Language Analysis	3	Direct
ENG 227	Shakespeare	3	Major supporting course	ENGL XFRGH (GH) Shakespeare	3	Substitution
Science Elective (with LAB) (Suggested BIO 121 or 151)	General Biology	4	General Education Natural Science (GN)	BIOL 110 GN Biology: Basic Concepts and Biodiversity	4	Direct
Elective (Suggested ARTS or MUSIC from General Education Recommended Courses)	See Recommended GA list	3	General Education Arts (GA)	Per Recommended GA list	3	Direct
General Elective (Suggested Humanities or Natural Science from General Education Recommended Courses)	See Recommended GH or GN list	9	General Education Humanities (GH) or General Education Natural Sciences (GN)	Per Recommended GH and GN list	9	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Activity (GHA)	Per Recommended GHA list	1	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC	60		Total PSU Credits	60	

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (5)

Program-to-Program Articulation

**Luzerne County Community College, Social Work Associate in Science
Penn State, Baccalaureate Degree in Human Development and Family Studies/Life Span Human Services**

Offered at Penn State Scranton

Luzerne County Community College <i>Associate in Science in Social Work</i> http://www.luzerne.edu/academics/catalog2015/degree.jsp?header=socialsciencehistory.jpg&code=SSW&dept=9&sel=1&d=13		Penn State University, University College <i>Human Development and Family Studies/Life Span Human Services</i> http://bulletins.psu.edu/undergrad/programs/baccalaureate/H/HD%20FS				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
HMS 101	Introduction to Human Services	3	General Education Social and Behavioral Science, (GS)	PSYCH XFRGS1	3	Direct
HMS 102	Interviewing and Counseling Skills	3	Major Prescribed Course	HD FS 311 Human Development and Family Studies Interventions	3	Direct
HMS 201	Case Management	3	Elective	HDFS XFRGS2	3	Substitution
HMS 204	Ethics and Cultural Competency for the Helping	3	General Education Arts (GA) (3-6-9)	RHS XFRGS2	3	Substitution
HMS 205	Social Welfare Policy for the Helping Professions	3	General Education Social and Behavioral Science (GS)	SOC XFRGS2	3	Direct
BIO 151 or BIOL 121	Principles of Biology I or General Biology I or	4	General Education Natural Sciences (GN)	BIOL 110 GN Biology: Basic Concept and Biodiversity or BIOL XFR100	4	Direct or Substitution
BIO 152 or BIOL 122	Principles of Biology II or General Biology II	4	General Education Natural Sciences (GN)	BIOL XFRGN1 or BIOL 110 GN Biology; Basic Concepts and Biodiversity	4	Direct
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 102	Advanced Composition	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Effective Writing: Writing in Social Sciences	3	Direct
MAT 107	Basic Statistics	3	General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct

HIS 202	American History Since 1865	3	General Education Humanities and US requirement (GH;US)	HIST 21 (GH;US) American Civilization Since 1877	3	Direct
PHI 151	Introduction to Ethics	3	General Education Humanities (GH)	PHIL 3 (GH) Persons, Moral Values and the Good Life	3	Direct
PSY 103	Introduction to Psychology	3	General Education Social and Behavioral Sciences (GS) (substitute for GA in 3,6,9)	PSYCH 100 (GS) Introductory Psychology	3	Direct
PSY 217	Developmental Psychology	3	Option Supporting Course	PSYCH 212 (GS) Developmental Psychology	3	Direct
SOC 101	Principles of Sociology	3	Option Supporting Course	SOC 1 (GS) Introduction to Sociology	3	Direct
POS 101	American Government	3	Elective	PL SC 001 (GS) Introduction to American Government for GA	3	Direct
SPE 125	Fundamentals of Speech	3	General Education GWS	CAS 100 (GWS) Effective Speech	3	Direct
Social Science Elective Recommended: CJU 130 CJU 245 SOC 216 SOC 217 SOC 103	See Recommended General Education Courses	3	Elective	CRIM 100 (GS) CRIMJ XFR200 SOC 5 (GS) SOC 30 WMNST 100	3	Direct
Humanities Elective ART 110 or MUS 150	Recommended General Education Courses	3	General Education Arts (GA)	ART H 100 (GA;IL) Introduction to Art or MUSIC 5 (GA) Introduction to Western	3	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
Health and Physical Activity	See Recommended General Education Courses	1	General Education Health and Activity (GHA)	See Recommended General Education GHA list	1	Direct
	Total LCCC 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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (6)
Program-to-Program Articulation

Luzerne County Community College, Associate Degree in Computer Information Systems
Penn State, Baccalaureate Degree in Information Science & Technology: Integration & Application Option

Offered at Hazleton, Lehigh Valley, Schuylkill, Wilkes-Barre and Scranton

Luzerne County Community College		Penn State University, University College				
Associate in Science in Computer Information Systems http://www.luzerne.edu/academics/catalog2015/degree.jsp?header=cis.jpg&code=CIS&dept=1&set=3&d=4		Information Science & Technology: Integration & Application Option http://bulletins.psu.edu/undergrad/programs/baccalaureate/IST				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
CIS 110 and CIS 170	Introduction to Microcomputers with Microsoft Office and Management Information Systems	3 and 3	CMPS 100 and MIS XFRGEN	*IST 110 (3) and IST XFRGEN (3)	3 and 3	Substitution
CIS 114	Database Analysis using Microsoft Access	3	Not Transferrable			
CIS 148	Database Design with SQL	3	Major Prescribed Course	*IST 210 Org. Data	3	Direct
CIS 120	PC Operating Systems	3	Not Transferrable			
CIS 145	Internet Concepts with HTML	3	Option Support Requirement	CMPS XFRGEN	3	Substitution
CIS 156	Programming with JAVA	3	Major Additional Course	CMPS XFR100 substituted for IST 140	3	Substitution
CIS 158	Object-Oriented Programming with C++	3	Elective	CMPS XFRGEN	3	Substitution
CIS 163	Programming with C#	3	Elective	CMPS XFRGEN	3	Substitution
CIS 172	Systems Analysis and Design	3	Option Supporting Course and Related Area	IST XFR100 substituted for IST 260W	3	Substitute

CIS 180	Networking and Communications	3	Major Prescribed Course	*IST 220 Networking	3	Direct
CIS 265	Internet Programming with PHP	3	Option Supporting Course and Related Area	CMPSC XFRGEN	3	Substitute
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric and Composition	3	Direct
MAT 107	Basic Statistics	3	Elective	STAT 100 (GQ)	3	Direct
MAT 121	College Algebra	3	Elective	MATH 22 (GQ) College Algebra II and Analytic Geometry (GQ)	3	Direct
Science Elective (sequential lab-based science)	See Recommended General Education Courses	4	General Education Natural Sciences (GN)	See Recommended General Education list.	4	Direct
Science Elective – See General Education Recommended List	See Recommended General Education Courses	3	General Education Natural Sciences (GN)	Per GN LIST	3	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
Social Science Elective – See General Education Recommended List	See Recommended General Education Courses	3	General Education Social and Behavioral Sciences GS	See GS List	3	Direct
Humanities Elective – See General Education Humanities or Arts Recommended List	See Recommended GH or GA General Education Courses	3	General Education Arts (GA) or Humanities (GH)	See GA or GH list	3	Direct
Health and Physical Activity From General Education Health and Activities List	See Recommended GHA General Education Courses	1	General Education Health and Physical Activity (GHA)	See GHA list	1	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC Credits	63		Total PSU Credits	57	

*Entrance to major requires minimal math level of completion of MATH 022 (MAT 121) and IST 110 (CIS 110 and CIS 170), IST 210(IST 148) and IST 220(CIS 180). Students who have not completed the math requirement, but are missing one or more of the IST courses will be admitted to pre-major status and may complete the 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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (7)

Program-to-Program Articulation

Luzerne Community College, Psychology Associate in Science
Penn State, Baccalaureate Degree in Psychology

B.A. and B.S. Programs offered at Penn State Hazleton and Lehigh Valley

Luzerne Community College		Penn State University, University College				
Associate in Science in Psychology	Psychology	Requirement	Requirement	Course	Direct or Substitution	
Requirement	Course	Credits	Requirement	Course	Credits	
PSY 103	General Psychology	3	Major Prescribed Course	PSYCH 100 (GS) Introductory Psychology	3	Direct
PSY 213(preferred) or PSY 210	Abnormal Psychology or Educational Psychology	3	Major Additional Course: Applied and Clinical Psychology Selection or Elective	PSYCH 270 (GS) Abnormal Psychology or EDPSY XFRGEN	3	Direct Substitution
PSY 204 or PSY 217	Child Psychology or Developmental Psychology	3	Major Additional Course: Developmental Psychology Selection	PSYCH 212 (GS) Developmental Psychology	3	Direct
PSY 200	Research Methods	3	Option Supporting Course	PSYCH XFR200	3	Direct
PSY 290	Professional Dev. For Psych.	1	Elective	PSYCH XFR100	1	Substitution
BIO 135(4) and BIO 136(4) or BIO 151(4) and 152 or (4)BIO 121 (4) and BIOL 122 (4)	Anatomy and Physiology I and Anatomy and Physiology II or General Biology I and General Biology II.	8	General Education Natural Sciences (GN)	BIOL 129 (4) and BIOL 141(3) and 142(1) or BIOL XFR100 (4) General Biology and BIOL 110 GN (4) Biology: Basic Concepts and Biodiversity; BIOL XFR100 and BIOL XFR100	8	Direct or Substitute
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
HIS 101, HIS 102, HIS 201 or HIS 202	Western Civilization I/II or American History to 1865/Since 1865	6	General Education Humanities (GH) and US requirement and IL requirement	HIST 1 (GH;IL)The Western Heritage I and HIST 2 (GH;IL)The Western Heritage II or HIST 20 (GH;US) American Civilization to 1877 and HIST 21	6	Direct

MAT 107	Basic Statistics	3	General Education Quantification (GQ)	(GH;US) American Civilization Since 1877	3	Direct
MAT 121	College Algebra	3	Elective	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct
PHI 151	Introduction to Ethics	3	General Education Humanities (GH)	MATH 22 College Algebra II and Analytic Geometry	3	Direct
SOC 101	Principles of Sociology	3	General Education Social and Behavioral Sciences (GS)	PHIL 3 (GH) Persons, Moral Values, and the Good Life	3	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	SOC 1 (GS) Introduction to Sociology	3	Direct
General Electives: Select 3 Courses or 9 credits from the following 3 credit courses:		9		CAS 100 (GWS) Effective Speech	9	
CJU 245	Crime and Criminology		In the B.S. degree the courses will meet the following requirements:	CRIMJ XFR200		Substitution
SOC 103	Introduction to Women's Studies		3 credits of General Education Social and Behavior Sciences (GS), 3 credits of Supporting course in option and 3 credits of Electives	WMNST 100 (GS;US/IL) Introduction to Women's Studies		Direct
SOC 216	Contemporary Social Issues			SOC 5 (GS) Social Problems		Direct
SOC 217	The Family		In the B.A. degree the courses will meet the following requirements:	SOC 30 (GS) Sociology of the Family		Direct
			3 credits of General Education Social and Behavior Sciences (GS) and 6 credits of Bachelor of Arts Requirement			
SOC 218	Cultural Anthropology		General Education Social and Behavioral Sciences (GS) (substitute for GA in 3,6,9)	ANTH 1 (GS;US;IL) Introductory Anthropology		Direct
Health and Physical Education Elective	See recommended GHA list	1	General Education Health and Activity (GHA)	See list for course equivalents	1	Substitution
Humanities Elective: Select 6 credits or 2 courses from the following 3 credit courses:		6			6	
ENG 221	Literature of the Western World I		General Education Humanities (GH)	CMLIT XFRGH2		Substitution
ENG 222	Literature of the Western World II		B.S. degree – Elective B.A. degree – Bachelor of Arts Requirement	ENGL XFRGH		Substitution

ENG 223	American Literature I		B.S. degree – Elective B.A. degree – Bachelor of Arts Requirement	ENGL 231		Substitution
ENG 224	American Literature II		Elective	ENGL 232		Substitution
FYE 101	First-Year Experience	I	Elective	PSU XFRGEN	1	Direct
	Total LCCC Credits	62		Total PSU Credits	62	

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (8)

Program-to-Program Articulation

**Luzerne County Community College, Social Work Associate in Science
Penn State, Baccalaureate Degree in Rehabilitative Human Services**

Offered at Penn State Hazleton, Penn State Lehigh Valley, and Penn State Wilkes-Barre

Luzerne County Community College		Penn State University, University College				
Associate in Science degree in Social Work		Rehabilitation and Human Services				
http://www.luzerne.edu/academics/catalog2015/degree.jsp?header=socialsciencehistory.jpg&code=SSW&dept=9&sel=1&d=13		http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
HMS 101	Introduction to Human Services	3	Elective	PSYCH XFRGS1	3	Substitution
HMS 102	Interviewing and Communication Skills	3	Major Supporting Course	HDFS 311 Intervention	3	Direct
HMS 201	Case Management	3	Major Supporting Course	HDFS XFRGS2	3	Substitution
HMS 204	Ethics and Cultural Competency for the Helping	3	Elective	RHS XFRGS2	3	
HMS 205	Social Welfare Policy for the Helping Professions	3	Elective	SOC XFRGS22	3	Substitution
BIO 135(4) and BIO 136(4) or BIO 121 (4) and BIO 122 (4)	Anatomy and Physiology I and Anatomy and Physiology II or General Biology I and General Biology II	8	General Education Natural Sciences (GN)	BIOL 129 (4) and BIOL 141(3) and 142(1) or BIOL XFR100 General Biology I (4)and BIOL 110GN (4) Biology; Basic Concepts and Diversity; BIO XFR100 and BIOL XFR100	8	Direct or Substitution
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
ENG 102	Advanced Composition	3	General Education Writing and Speaking (GWS)	ENGL 202B Effective Writing: Writing in Social Sciences	3	Direct

MAT 107	Basic Statistics	3	Major Additional Course and General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts and Reasoning (GQ)	3	Direct
HIST 202	American History Since 1865	3	General Education Humanities (GH) and US requirement	HIST 21 (GH;US) American Civilization Since 1877	3	Direct
PHI 151	Introduction to Ethics	3	General Education Humanities (GH)	PHIL 3 (GH) Persons, Moral Values and the Good Life	3	Direct
PSY 103	Introduction to Psychology	3	Major Prescribed Course and General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
PSY 217	Developmental Psychology	3	Additional Major Course	PSYCH 212 (GS) Developmental Psychology	3	Direct
SOC 101	Principles of Sociology	3	Major Prescribed Course and General Education Social and Behavioral Sciences (GS)	SOC 1 (GS) Introduction to Sociology	3	Direct
POS 101	American Government	3	General Education Social and Behavior Science (substitute for GA, 3,6,9)	PLSC 1 Introduction to American Government (GS) for GA	3	Substitution
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech	3	Direct
Social Science Elective -- SOC 216	Contemporary Social Issues	3	Elective	SOC 5 (GS) Social Problems	3	Direct
Humanities Elective -- ART 110	Art Appreciation	3	General Education Arts (GA)	ART H 100 Introduction to Art (GA, IL)	3	Direct
Health and Physical Activity	See Recommended General Education Courses	1	General Education Health and Physical Activity (GHA)	See Recommended General Education GHA list	1	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC 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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

**Addendum C (9)
Program-to-Program Articulation**

**Luzerne County Community College, Biology Associate in Science
Penn State, Baccalaureate Degree in Science**

Offered at Scranton		Penn State University, University College <i>Bachelor of Science in Science</i> http://bulletins.psu.edu/undergrad/programs/baccalaureate/S/SC%20BS				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
BIO 151 and BIO 152	Principles of Biology I and Principles of Biology II	4	Major Prescribed Course and Major Supporting Course	*BIOL 110 GN Biology: Basic Concepts and Biodiversity and BIOL XFRGN1	4	Direct
BIO 225	Plant Biology	4	Major Supporting Course	BIOL XFRGN1	4	Substitution
BIO 290	Research for Natural Sciences	3	Major Supporting Course	BIOL XFRGN2	3	Substitution
CHE 151 and CHE 152 <i>Students must complete both LCCC courses.</i>	General Chemistry I and General Chemistry II	8	Major Prescribed Courses and General Education Natural Sciences GN.	*CHEM 110/111 and CHEM 112/113 – Chemical Principles I and II and Experimental Chemistry I and II.	8	Direct
CHE 251	Organic Chemistry I	4	Life Science Option – Major Additional Course; General Option – Major Supporting Course	CHEM 210 Organic Chemistry I + CHEM XFRGEN	3 + 1	Direct
CHE 252	Organic Chemistry II	4	Life Science Option – Major Additional Course; General Option – Major Supporting Course	CHEM 212 Organic Chemistry II + CHEM XFRGEN	3 + 1	Direct
CIS 118	Computer Applications for Science Majors	2	Not Transferrable			
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)Rhetoric and Composition	3	Direct

MAT 107	Basic Statistics	3	Major Additional Course and General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts and Reasoning (GQ)	3	Direct
MAT 151	Calculus I	4	Major Prescribed Course and General Education Quantification (GQ)	*MATH 140 (GQ)	4	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
Social Science Elective (Suggested SOC 101)	Principles in Sociology	3	General Education Social and Behavioral Sciences (GS)	SOC 1 Introductory Sociology (GS)	3	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Physical Activity (GHA)	See recommended GHA list	1	Direct
Humanities Elective	See Recommended General Education Courses	3	General Education Humanities (GH)	See recommended GH list	3	Direct
Humanities Elective	See Recommended General Education Courses	3	General Education Humanities (GH)	See recommended GH list	3	Direct
Social Science Elective	See Recommended General Education Courses	3	Supporting course in major	See recommended GS list	3	Direct
FYE 101	First-Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC Credits	60		Total PSU Credits	58	

*Entrance to Science major requires MATH 140(MATH 151) and at the following BIOL 110 (BIOL 152) and CHEM 110 (CHEM 151).

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (10)

Program-to-Program Articulation

Luzerne County Community College, Pre-Engineering Associate in Science
Penn State, Baccalaureate Degree in * Engineering, Alternative Energy and Power Generation Option

Offered by the College of Engineering at Penn State Hazleton

Luzerne County Community College		Penn State University, University College				
Associate in Science degree in Pre-Engineering http://www.luzerne.edu/academics/catalog2016/degree.isp?header=arc_hitect.ipa&code=EGR&dept=14&sel=1&d=15		Bachelor of Science in General Engineering, Alternative Energy and Power Generation Option http://bulletins.psu.edu/undergrad/campuses/details/11/G%20E				
	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION, ELECTIVE, NON-USABLE IN MAJOR
CHE 151 and CHE 152 <i>Students must complete both LCCC courses.</i>	General Chemistry I and General Chemistry II	8	Major Prescribed Courses and General Education Natural Sciences GN.	*CHEM 110/111 and CHEM 112/113 – Chemical Principles I and II and Experimental Chemistry I and II.	8	Direct
EGR 110	General Graphic Design	3	Major Prescribed Course	EDSGN 100 Introduction to Engineering Design	3	Direct
MAT 151	Analytic Geometry and Calculus I	4	Major Prescribed Course and General Education Quantification GQ	*MATH 140 GQ Calculus with Analytical Geometry I	4	Direct
MAT 251	Analytic Geometry and Calculus II	4	Major Prescribed Course and General Education Quantification GQ	*MATH 141 GQ Calculus with Analytical Geometry II	4	Direct
MAT 252	Analytic Geometry & Calculus III	4	Major Prescribed Course	MATH 230 (4) Calculus Vector Analysis substituted for MATH 231(2) Calculus of Several Variables.	2 +2 credits of electives	Direct
PHY 151	Calculus-Based Physics I	4	Major Prescribed Course and General Education Natural Science GN	*PHYS 211 GN General Physics: Mechanics	4	Direct
EGR 220	Statics	3	Major Prescribed Course	EMCH 211 Statics	3	Direct
EGR 225	Electrical Circuits and Devices	4	Option Prescribed Course	EE 210 Circuits and Devices	4	Direct

EGR 235	Strengths of Materials	3	Major Prescribed Course	EMCH 213 Strength of Materials	3	Direct
ENG 261	Technical Communications	3	General Education (GWS)	COMM XFR200 for ENGL 202C	3	Substitute
PHY 152	Calculus-Based Physics II	4	Major Prescribed Course and General Education Natural Science GN	*PHYS 212 General Physics: Electricity & Magnetism	4	Direct
EGR 245	Thermodynamics	3	Major Additional Course	ME 300 Engineering Thermodynamics I	3	Direct
MAT 280	Ordinary and Partial Differential Equations	4	Major Prescribed Course	*MATH 251 Ordinary and Partial Differential Equations	4	Direct
ECO 151	Principles of Economics I	3	Major Additional Course and General Education Social and Behavioral Sciences GS	ECON 104 GS Introductory Macroeconomics Analysis and Policy	3	Direct
ENG 101	English Composition I	3	General Education Writing and Speaking GWS	ENGL 15 GWS Rhetoric and Composition	3	Direct
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking GWS	CAS 100 GWS Effective Speech	3	Direct
FYE 101	First Year Experience	1	Elective	PSU XFRGEN	1	Direct
Elective - Health and Physical Education	See General Education Health and Physical Activity Recommended List	2	General Education Health and Physical Activity GHA	See GHA list	2	Direct
	Total LCCC Credits	63		Total PSU Credits	63	

*Admission to Engineering requires a 2.5 cumulative GPA at Luzerne County Community College and completion of the following courses, with a C (2.0) or higher grade: CHEM 151, CHEM 152, MATH 151, MATH 251, PHY 151, PHY 152 and MATH 280.

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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.

Addendum C (11)

Program-to-Program Articulation

Luzerne County Community College, Biology Associate in Science
Penn State, Baccalaureate Degree in Biology with General Biology Option

Offered at Schuylkill and Scranton		Luzerne County Community College		Penn State University, University College		
		Associate in Science in Biology http://www.luzerne.edu/academics/catalog2015/degree.jsp?header=preciences.jpg&code=BIO&dept=1&set=1&d=12		Bachelor of Science in Biology http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BIOL		
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
BIO 151 and BIO 152	Principles of Biology I and Principles of Biology II	4	Major Prescribed Course	*BIOL 110 GN Biology: Basic Concepts and Biodiversity and BIOL XFRGN1	4	Direct
BIO 225 PC	Plant Biology	4	Major Supporting Course	BIOL XFRGN1	4	Substitution
BIO 290	Research for Natural Science	3	Major Supporting Course	BIOL XFRGN2	3	Substitution
CIS 118	Computer Applications for Science Majors	2	Not Transferable			
CHE 151 and CHE 152 <i>Students must complete both LCCC courses.</i>	General Chemistry I and General Chemistry II	8	Major Prescribed Courses and General Education Natural Sciences GN.	*CHEM 110/111 and CHEM 112/113 – Chemical Principles I and II and Experimental Chemistry I and II.	8	Direct
CHE 251	Organic Chemistry I	4	Option Prescribed or Additional Course depending on option	CHEM 210 Organic Chemistry I + CHEM XFRGEN	3 + 1	Direct
CHE 252	Organic Chemistry II	4	Option Prescribed or Additional Course depending on option	CHEM 212 Organic Chemistry II + CHEM XFRGEN	3 + 1	Direct
ENG 101	English Composition	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS) Rhetoric and Composition	3	Direct
MAT 151	Calculus I	4	Major Prescribed Course and General Education Quantification (GQ)	*MATH 140 (GQ) Calculus with Analytical Geometry.	4	Direct

MAT 107	Basic Statistics	3	Not usable in program	STAT 100 GQ		
SPE 125	Fundamentals of Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
Social Science Elective (Suggested SOC 101)	Principles in Sociology	3	General Education Social and Behavioral Sciences (GS)	SOC 001 Introductory Sociology (GS)	3	Direct
Health and Physical Education Elective	See Recommended General Education Courses	1	General Education Health and Physical Activity (GHA)	See recommended GHA list	1	Direct
Humanities Elective	See Recommended General Education Courses	3	General Education Humanities (GH)	See recommended GH list	3	Direct
Humanities Elective	See Recommended General Education Courses	3	General Education Humanities (GH)	See recommended GH list	3	Direct
Social Science Elective	See Recommended General Education Courses	3	Supporting course in major	See recommended GS list	3	Direct
FYE 101	First Year Experience	1	Elective	PSU XFRGEN	1	Direct
	Total LCCC	60		Total PSU Credits	55	

Entrance to Biology major requires the following Penn State courses or their equivalents; MATH 140 (MATH 151), BIOL 110 (BIO 152), CHEM 110 (CHEM 151 and 152), and one of the following three courses: BIOL 220W, 230W, or 240W. LCCC students will not be able to complete the BIOL 220W, 230W or 240W requirement, will be admitted to premajor status and can change their major following completion of that requirement.

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.

Two units in a single world language other than English are required. However, 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 the student graduates from Penn State. 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 Equivalencies

The following Luzerne CC 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 Luzerne CC courses may satisfy PSU General Education courses upon submission of syllabi by the student and review and approval by PSU.

Luzerne County Community College			Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<i>RECOMMENDED General Education Arts elective courses</i>						
CAR 119	Drawing I	3	ART 20	Introduction to Drawing	3	Direct
MUS 150	Music Appreciation	3	MUSIC 5	An Introduction to Western Music	3	Direct
ART 110	Art Appreciation	3	ART H 100	Introduction to Art (IL)	3	Direct
THR 100	Introduction to Theatre	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<i>RECOMMENDED General Education Humanities elective courses</i>						
PHI 150	Introduction to Philosophy	3	PHIL 1	Basic Problems of Philosophy	3	Direct
PHI 151	Introduction to Ethics	3	PHIL 3	Persons, Moral Values, and the Good Life	3	Direct
HIS 101	Western Civilization I	3	HIST 1	Western Heritage I (IL)	3	Direct
HIS 102	Western Civilization II	3	HIST 2	Western Heritage II (IL)	3	Direct
HIS 201	American History to 1865	3	HIST 20	American Civilization to 1877 (US)	3	Direct
HIS 202	American History Since 1865	3	HIST 21	American Civilization Since 1877 (US)	3	Direct
<i>RECOMMENDED General Education Mathematics elective courses</i>						
MAT 107	Basic Statistics	3	STAT 100	Elementary Statistics	3	Direct
MAT 121	College Algebra	3	MATH 22	College Algebra II and Analytic Geometry	3	Direct
MAT 151	Analytic Geometry and Calculus I	4	MATH 140	Calculus With Analytic Geometry I	4	Direct
<i>RECOMMENDED General Education Science elective courses</i>						
CHE 111	Fundamentals of Chemistry	3	CHEM 101	Introductory Chemistry	3	Direct
CHE 151 and CHE 152	General Chemistry I and General Chemistry II	8	CHEM 110/111	Chemical Principles I and Experimental Chemistry I and II	8	Direct
Must complete both courses for PSU equivalency.						

GEO 111	World Physical Geography	3	GEOG 10	Physical Geography: An Introduction	3	Direct
PHY 131	General Physics I	4	PHYS 250	Introductory Physics I	4	Direct
PHY 132	General Physics I	4	PHYS 251	Introductory Physics II	4	Direct
PHY 151	Calculus-Based Physics I	4	PHYS 211	General Physics: Mechanics	4	Direct
PHY 152	Calculus-Based Physics II	4	PHYS 212	General Physics: Electricity & Magnetism	4	Direct

<i>RECOMMENDED General Education Social Science elective courses</i>		<i>Recommend taking <u>two</u> General Education Social and behavioral sciences (GS) courses</i>				
CJU 130	Introduction to Criminal Justice	3	CRIM 100	Introduction to Criminal Justice	3	Direct
CJU 140	Criminal Law	3	CRIM 12 / SOC 12 / CRIMJ 12	Criminology	3	Direct
CJU 141	Delinquency and Juvenile Justice	3	SOC 13	Juvenile Delinquency	3	Direct
CJU 245	Crime and Criminology	3	CRIMJ XFR200	Criminology	3	Direct
ECO 151	Principles of Economics I	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 152	Principles of Economics II	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
JOR 100	Introduction to Mass Communications	3	COMM 100 / AM ST 106	The Mass Media and Society	3	Direct
POS 101	American Government	3	PLSC 1	Introduction to American National Government	3	Direct
PSY 103	General Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
PSY 217	Developmental Psychology	3	PSYCH 212	Introduction to Developmental Psychology	3	Direct
SOC 101	Principles in Sociology	3	SOC 1	Introductory Sociology	3	Direct
SOC 216	Contemporary Social Issues	3	SOC 5	Social Problems	3	Direct
SOC 217	The Family	3	SOC 30	Sociology of the Family	3	Direct
BUS 101	Introduction to Business	3	B A 100	Introduction to Business	3	Direct
GEO 112	World Cultural Geography	3	GEOG 40	World Regional Geography (IL)	3	Direct
SOC 103	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's Studies (US)(IL)	3	Direct
SOC 218	Cultural Anthropology	3	ANTH 1	Introductory Anthropology (US)(IL)	3	Direct
SSC 103	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's Studies (US)(IL)	3	Direct
<i>RECOMMENDED General Education Health and Physical Activity elective courses</i>		<i>Recommend taking <u>3</u> credits of General Education Health and Physical Activity (GHA) courses</i>				
CJU 139	Survey of Drugs	3	BB H 143	Drugs, Behavior, and Health	3	Direct

HPE 107	High/Low Aerobic Dance	1-3	KINES XFR000	KINES XFR	3	Substitution
HPE 110	Basketball	1	KINES XFR000	KINES XFR	1	Substitution
HPE 127	Hatha Yoga I		KINES XFRGEN	KINES XFR	1	Substitution
HPE 128	Intro To Exercise Physiology		KINES XFR100	KINES XFR	3	Substitution
HPE 129	Strength & Conditioning		KINES XFRGHA	KINES XFR	1	Substitution
HPE 130	Nutrition & Wellness		NUTR 100 + NUTR XFRGEN		1.5+.5	Direct
HPE 131	Beginning Golf		KINES 29	Golf I	1	Direct
HPE 132	Basic Martial Arts		KINES XFRGEN	KINES XFR	1	Substitution
HPE 135	Weight/Nutrition Management		KINES XFRGHA	KINES XFR	1	Substitution
HPE 136	Group Stationary Bicycling		KINES XFRGEN	KINES XFR	1	Substitution
HPE 141	Volleyball		KINES XFRGEN	KINES XFR	1	Substitution
HPE 152	Intro to Physical Education		KINES XFR200	KINES XFR	3	Substitution
HPE 154	Safety and First Aid		NURS XFRGHA	NURS XFR	3	Substitution
HPE 155	Personal Health		BBH XFRGHA	BBH XFR	3	Substitution
HPE 165	Phys Ed for Young Children		KINES XFRGEN	KINES XFR	1	Substitution
HPE 201	Personal Training I		KINES XFR200	KINES XFR	3	Substitution
HPE 220	Voices in Sport & Society		KINES XFR100	KINES XFR	3	Substitution
HPE 230	Badminton		KINES XFRGEN	KINES XFR	1	Substitution
HPE 244	Coaching of Sport		KINES XFR400	KINES XFR	3	Substitution
HPE 248	Human Sexuality		BBH 146	Health & Human Sexuality	3	Direct
HPE 263	Introduction to Nutrition		NUTR XFR200	NUTR XFR	3	Substitution