

**Memo of Agreement Regarding Articulation  
Between University College and  
Lehigh Carbon Community College**

**PURPOSE**

The Pennsylvania State University, on behalf of the University College for Penn State Beaver, Penn State Brandywine, Penn State DuBois, Penn State Fayette, Penn State Greater Allegheny, Penn State Hazleton, Penn State Lehigh Valley, Penn State Mont Alto, Penn State New Kensington, Penn State Schuylkill, Penn State Shenango, Penn State Wilkes-Barre, Penn State Worthington Scranton and Penn State York and Lehigh Carbon Community College establish this Memorandum of Agreement Regarding Articulation to facilitate the matriculation of students from Lehigh Carbon Community College to the University College 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 Lehigh Carbon Community College to transition to a parallel baccalaureate degree program at the Penn State University College campuses. The agreement defines admission criteria and processes, evaluation of transfer credits and academic advising services to support students in their transition from Lehigh Carbon Community College to a Penn State University College campus.

**PROCEDURES**

**A. Admissions Requirements**

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

Students must complete an AA or AS 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.

GPA is calculated from all attempted and completed courses from Lehigh Carbon 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 terms of the agreement are the BA/BS in Administration of Justice (AJACC/AJSCC), BA in Arts Administration (ARACC), BS in Business (BSBCC), BA in Corporate Communication (CCCC), BA in English (ENGCC), BS in Human Development and Family Studies (HFSCC), BA in Letters, Arts and Sciences (LASCC), BS in Information Sciences and Technology (ISSCC), BA/BS in Psychology (PYACC/PYSCC), BS in Rehabilitation and Human Services (RHSCC) and BS in Science (SCICC). All programs are not delivered at every campus.

Majors not specified above, 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**

Lehigh Carbon Community College courses, evaluated as equivalent to Penn State courses or approved as general credit within a discipline; and, transferred with grades of C or higher, will be added to the student's Penn State academic transcript by the Office of Undergraduate Admissions.

Transferability of courses not specified in the attached guides will be reviewed by the Office of Undergraduate Admissions on a case-by-case basis.

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 Lehigh Carbon Community College and University College disciplinary faculty, and were subsequently approved by the University College Associate Dean for Academic Programs. Transferability of courses not specified in the attached guides will be reviewed by the University College on a case-by-case basis and according to the evaluations maintained by the University Undergraduate Admissions transfer equivalency tables recorded in the student information system.

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

## **C. Academic Advising and Transition**

The Penn State and Lehigh Carbon 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 Lehigh Carbon Community College.

The Penn State University College 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.

## **D. Update/Report/Relationship**

Penn State and Lehigh Carbon Community College agree to review the agreement and relevant transfer course equivalencies annually and will each assign an individual to serve as liaison for the purpose of monitoring this agreement. Lehigh Carbon Community College will notify the Penn State University College campus liaison upon any modification of curriculum that could impact the articulation of equivalent courses or the requirements of Lehigh Carbon Community College named associate programs. Penn State University College will notify the Lehigh Carbon Community College liaison of any modifications of curriculum that could impact articulation of equivalent courses or the requirements of the Penn State named baccalaureate programs. 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 Penn State on behalf of the University College campuses and Lehigh Carbon Community College, and supersedes any other prior agreements or understandings between the two parties.

The master agreement will be reviewed every five years by both parties and will be revised as necessary. For renewal all revisions are to be approved by each institution's official signatories.

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 180 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 Lehigh Carbon 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 Lehigh Carbon Community College. All other terms of the agreement will remain in effect for no more than two years.

*Robert N. Pangborn*

*4/28/15*

**Dr. Robert N. Pangborn**  
Vice President and Dean for Undergraduate Education  
Penn State University

Date

*Madlyn L. Hanes*

*4/27/15*

**Dr. Madlyn L. Hanes**  
Vice President for Commonwealth Campuses and Dean of the University College  
Penn State University

Date

*Gary M. Lawler*

*6/8/15*

**Dr. Gary M. Lawler**  
Chancellor, Penn State Hazleton

Date

*Ann M. Williams*

*4/8/15*

**Dr. Ann M. Williams**  
Chancellor, Penn State Lehigh Valley

Date

*Kelly M. Austin*

*6/8/15*

**Dr. Kelly M. Austin**  
Chancellor, Penn State Schuylkill

Date

*Charles H. Davis*

*6/8/15*

**Dr. Charles H. Davis**  
Chancellor, Penn State Wilkes-Barre

Date

*Mary Beth Krogh-Jespersen*

*6/26/15*

**Dr. Mary Beth Krogh-Jespersen**  
Chancellor, Penn State Worthington Scranton

Date

*Ann D. Bieber*

*4/8/15*

**Dr. Ann D. Bieber, President**  
President, Lehigh Carbon Community College

Date



**Addendum A (1)**  
**Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in Criminal Justice Administration**  
**Penn State, Baccalaureate Degree in Administration of Justice**

Offered at Penn State Hazleton, Schuylkill and Worthington Scranton

<b>Lehigh Carbon Community College</b> <i>Associate of Arts in Criminal Justice Administration</i> <a href="http://lecc.edu/academics/school-business/criminal-justice-administration-aa">http://lecc.edu/academics/school-business/criminal-justice-administration-aa</a>		<b>Penn State University, University College</b> <i>Bachelor of Science or Bachelor of Arts in Administration of Justice</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/AA/AQJBA">http://bulletins.psu.edu/undergrad/programs/baccalaureate/AA/AQJBA</a>				
<b>REQUIREMENT</b>	<b>COURSE</b>	<b>CREDITS</b>	<b>REQUIREMENT</b>	<b>COURSE</b>	<b>CREDITS</b>	<b>DIRECT or SUBSTITUTION</b>
CJA 101	Introduction to the Criminal Justice System	3	Major Prescribed Course	CRIM J 100 (GS) Introduction to the Criminal Justice	3	Direct
CJA 116	Corrections Administration	3	Major Additional Course	CRIM J 230 Corrections in America	3	Substitution
CJA 119	Juvenile Justice	3	Major Additional Course	CRIM 013/SOC 013 Juvenile Delinquency	3	Substitution
CJA 201	Criminal Evidence and Court Procedure	3	Major Prescribed Course	CRIM 221 Issues in the American Justice System	3	Substitution
CJA 215	Law Enforcement and Society	3	Major Additional Course	CRIMJ 210 Policing in America	3	Substitution
CJA 234	Ethics in Criminal Justice	3	Major Additional Course	PHIL 103 (GH) Introduction to Ethics	3	Substitution
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric and Composition	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Technical Writing	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
PSY 140	Introduction to Psychology	3	General Education Social and Behavioral Sciences (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
PSC 130	Introduction to Political Science	3	General Education Social and Behavioral Sciences (GS)	PL SC 003 (GS;IL) Introduction to Comparative Politics	3	Direct
SOC 150	Introduction to Sociology	3	Major Supporting Course	SOC 001 (GS) Introductory Sociology	3	Direct

SOC 250	Criminology	3	Major Prescribed Course	CRIM J 012/ CRIM 012 SOC 012 (GS) Criminology	3	Direct
Humanities Electives	See Recommended General Education GA and GH Courses	9	General Education Arts (GA) General Education Humanities (GH)		9	Direct/Substitution
Mathematics Elective	See Recommended General Education Courses	6	General Education Quantification (GQ)	See Recommended GQ List	6	Direct
Laboratory Science Elective	See Recommended General Education Courses	8-10	General Education Natural Science (GN) and Electives	See Recommended GN List	8-10	Direct
Total LCCC Credits		62-64	Total PSU Credits		62-64	

*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.*



**General Education Equivalencies**

Lehigh Carbon Community College		Penn State University, University College				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<b>RECOMMENDED General Education Humanities courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct
<b>REQUIRED General Education Mathematics elective courses</b>						
MATH 190	Calculus and Analytic Geometry I	3	MATH 110	Techniques of Calculus I	3	Substitution
MATH 150	Introduction to Probability and Statistics	3	STAT 100	Elementary Statistics	3	Direct

<i>RECOMMENDED General Education Science elective courses</i>			<i>Recommend taking <u>three</u> General Education Natural Science (GN) courses</i>			
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEO SC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct

**Addendum A (2)**  
**Program-to-Program Articulation**

Lehigh Carbon Community College, Associate of Arts in Business Administration  
Penn State, Bachelor of Arts in Arts Administration, Digital Media Option

<i>Lehigh Carbon Community College</i>		<i>Penn State University, University College</i>				
<i>Associate of Arts in Business Administration</i> <a href="http://www.lccc.edu/academics/school-business/business-administration-aa">http://www.lccc.edu/academics/school-business/business-administration-aa</a> <a href="http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf">http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf</a>		<i>Bachelor of Arts in Arts Administration (ARACC), Digital Media Option</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/ARTSA">http://bulletins.psu.edu/undergrad/programs/baccalaureate/ARTSA</a> <a href="http://bulletins.psu.edu/bulletins/bluebook/university/course_descriptions.cfm">http://bulletins.psu.edu/bulletins/bluebook/university/course_descriptions.cfm</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION
ACC 160	Principles of Accounting I	3	Major Requirement + Electives	ACCTG 211 Financial and Managerial Accounting + Electives	4	Substitution
ACC 161	Principles of Accounting II	3				
ACC 203	Cost/Managerial Accounting	3				
BUS 150 or MAT 150	Business Statistics Introduction to Probability & Statistics	3.5 3	General Education Quantification (GQ)	STAT 100 Statistical Concept and Reasoning (GQ)	3	Substitution Direct
BUS 211	Principles of Management	3	Electives	MGMT (Gen)	3	Direct
BUS 221	Principles of Marketing	3	Major Requirement	MKTG 301 Principles of Marketing	3	Substitution
BUS 241	Business Law	3	Major Requirement	B LAW 243 Legal Environment of Business substitute for BA 241Elective	2 1	Substitution
BUS 256 or ECO 237 or PSC 237	International Business International Relations International Relations	3	Electives or Electives or General Education Social Behavioral Sciences Requirement	BA (Gen) or ECON (Gen) or PLSC 014 (GS,IL)	3	Direct

*Lehigh Carbon Community College*

*Penn State University, University College*

*Associate of Arts in Business Administration*  
<http://www.lccc.edu/academics/school-business/business-administration-aa>  
<http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf>

*Bachelor of Arts in Arts Administration (ARAC), Digital Media Option*  
<http://bulletins.psu.edu/undergrad/programs/baccalaureate/ARTSA>  
[http://bulletins.psu.edu/bulletins/bluebook/university\\_course\\_descriptions.cfm](http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm)

REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION
CIS 105 or CIS 155	Introduction to Computers & Applications Intro to Computer Science - Structured Prog - C++	3 3.5	Electives	MIS (Gen) or CMPSC (Gen)	3	Direct
ECO 201	Principles of Macroeconomics	3	General Education Social and Behavioral Science (GS)	ECON 104 Introductory Macroeconomics, Analysis & Policy (GS)	3	Direct
ECO 202	Principles of Microeconomics	3	Major Requirement and General Education Social and Behavioral Science (GS)	ECON 102 Introductory Microeconomics, Analysis & Policy (GS)	3	Direct
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric and Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B Effective Writing: Writing in Humanities (GWS)	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech (GWS)	3	Direct
MAT 188 or MAT 190	Business Calculus Calculus and Analytic Geometry I	3	Major Requirement and General Education Quantification (GQ)	MATH (Gen) (GQ) Satisfies MATH 021 requirement	3	Direct
Humanities Electives	MUS 101: Introduction to Music	3	Major Requirement and General Education Arts (GA)	*MUSIC 005 An Introduction to Western Music	3	Direct
See Recommended	Humanities Electives	3	General Education (GA, GH)	See recommended GA and GH lists	3	Direct

Lehigh Carbon Community College		Penn State University, University College			
<b>Associate of Arts in Business Administration</b> <a href="http://www.lccc.edu/academics/school-business/business-administration-aa">http://www.lccc.edu/academics/school-business/business-administration-aa</a> <a href="http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf">http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf</a>		<b>Bachelor of Arts in Arts Administration (ARACC), Digital Media Option</b> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/A/ARTSA">http://bulletins.psu.edu/undergrad/programs/baccalaureate/A/ARTSA</a> <a href="http://bulletins.psu.edu/bulletins/bluebook/university/course_descriptions.cfm">http://bulletins.psu.edu/bulletins/bluebook/university/course_descriptions.cfm</a>			
REQUIREMENT	COURSE	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION
General Education Courses	Free Electives	General Education (GA, GH)	See recommended GA and GH lists	6	Direct
	Laboratory Science Elective	General Education Natural Sciences (GN)	See recommended GN list	4-5	Direct
<b>Total LCCC Credits</b>		<b>Total PSU Credits</b>		<b>61-63</b>	<b>61-62</b>

\*Students must earn C or better in PSU ART H 111 GA:IL(3) or ART H 112 GA:IL(3), MUSIC 005 GA(3), THEA 105 GA(3) to be eligible for entrance to the major. Students who transfer to Penn State Lehigh Valley missing any of these courses will be admitted to premajor status CCHSS and may request change of major once the specified entry courses are completed.

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 Equivalencies

Lehigh Carbon Community College				Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
<i>RECOMMENDED General Education Arts courses</i>			<i>Recommend taking two General Education Arts (GA) courses</i>				
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (II)	3	Direct	
<i>RECOMMENDED General Education Humanities courses</i>			<i>Recommend taking two General Education Humanities (GH) courses</i>				
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct	
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct	
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct	
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct	
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct	
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct	
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct	
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct	
<i>RECOMMENDED General Education Laboratory Science elective courses</i>			<i>Recommend taking three General Education Natural Science (GN) courses</i>				
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct	
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution	
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct	
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution	
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct	
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct	

**Addendum A (3)  
Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in Business Administration  
Penn State, Baccalaureate Degree in Business**

Offered at Penn State Hazelton, Lehigh Valley, Schuylkill, Wilkes-Barre and Worthington Scranton

<i>Lehigh Carbon Community College</i>		<i>Penn State University, University College</i>				
<i>Associate of Arts in Business Administration</i> <a href="http://www.lccc.edu/academics/school-business/business-administration-aa">http://www.lccc.edu/academics/school-business/business-administration-aa</a> <a href="http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf">http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf</a>		<i>Bachelor of Science in Business</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BSB">http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BSB</a> <a href="http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm">http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE
ACC 160	Principles of Accounting I	3	Major Requirement and Electives	ACCTG 211 Financial and Managerial Accounting	9	Substitution
ACC 161	Principles of Accounting II	3				
ACC 203	Cost/Managerial Accounting	3				
BUS 150 or MAT 150	Business Statistics Introduction to Probability & Statistics	3-3.5	Major Requirement and General Education Quantification (GQ)	STAT Gen Business Statistics (+PSU STAT 297 (1)) STAT 100 Statistical Concept and Reasoning (GQ)	3	Substitution
BUS 211	Principles of Management	3	Major Requirement	MGMT 301 Basic Management Concepts	3	Substitution
BUS 221	Principles of Marketing	3	Major Requirement	MKTG 301 Principles of Marketing	3	Substitution
BUS 241	Business Law	3	Major Requirement	B LAW 243 Legal Environment of Business (+BA 297 (1))	3	Substitution
BUS 256 or ECO 237	International Business International Relations	3	Major Requirement	I B 303 International Business Operations	3	Substitution
CIS 105 or CIS 155	Introduction to Computers & Applications Intro to Computer Science - Structured Prog - C++	3 3.5	Major Requirement	MIS TR or CMFSC TR	3	Substitution

*Lehigh Carbon Community College*

*Penn State University, University College*

*Associate of Arts in Business Administration*  
<http://www.lccc.edu/academics/school-business/business-administration-aa>  
<http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf>

*Bachelor of Science in Business*  
<http://bulletins.psu.edu/undergrad/programs/baccalaureate/BBSB>  
[http://bulletins.psu.edu/bulletins/bluebook/university\\_course\\_descriptions.cfm](http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm)

REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERABLE
ECO 201	Principles of Macroeconomics	3	General Education Social Science (GS)	ECON 104 Introductory Macroeconomics, Analysis & Policy (GS)	3	Direct
ECO 202	Principles of Microeconomics	3	General Education Social Science (GS)	ECON 102 Introductory Microeconomics, Analysis & Policy (GS)	3	Direct
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric and Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B Effective Writing: Writing in Humanities (GWS)	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech (GWS)	3	Direct
MAT 190 or MAT 188	Calculus and Analytic Geometry I/Business Calculus	3	Major Requirement and General Education Quantification (GQ)	*MATH 110 Techniques of Calculus I (GQ)	3	Substitution
See Recommended General Education Courses	Free Elective	3	General Education Arts (GA)	See recommended GA list	3	Direct
	Free Elective	3	General Education Arts (GA)	See recommended GA list	3	Direct
	Humanities Elective	3	General Education Humanities (GH)	See recommended GH list	3	Direct



Lehigh Carbon Community College		Penn State University, University College				
Associate of Arts in Business Administration <a href="http://www.lccc.edu/academics/school-business/business-administration-aa">http://www.lccc.edu/academics/school-business/business-administration-aa</a> <a href="http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmar-ke-d.pdf">http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmar-ke-d.pdf</a>		Bachelor of Science in Business <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BSB">http://bulletins.psu.edu/undergrad/programs/baccalaureate/B/BSB</a> <a href="http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm">http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE
	Social Science Elective	3	General Education Social Science (3,6,9 substitution for GH)	See recommended GS list	3	Direct
	Laboratory Science Elective	4-5	General Education Natural Sciences (GN)	See recommended GN list	4-5	Direct
Total LCCC Credits		61-63	Total PSU Credits		61-62	

\*Entrance to the B.S. in Business requires PSU MATH 022 or higher. LCCC MAT 188 will meet this requirement. Students should plan to complete MATH 188 at LCCC prior to applying to 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.*

**General Education Equivalencies**

Lehigh Carbon Community College				Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
<b>RECOMMENDED General Education Arts courses</b>							
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (II)	3	Direct	
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution	
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct	
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct	
<b>RECOMMENDED General Education Humanities courses</b>							
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct	
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct	
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct	
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct	
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct	
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct	
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct	
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct	
<b>REQUIRED General Education Mathematics elective courses</b>							
MAT 190 or MAT 188	Calculus and Analytic Geometry I/Business Calculus	3	Major Requirement and General Education Quantification (GQ)	*MATH 110 Techniques of Calculus I (GQ)	4	Substitution	
<b>RECOMMENDED General Education Science elective courses</b>							
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct	

*Recommend taking three General Education Natural Science (GN) courses*

Lehigh Carbon Community College			Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEOSC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>REQUIRED General Education Social Science elective courses</b>						
ECO 201	Principles of Macroeconomics	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)	3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)	3	Direct
<b>REQUIRED General Education Social and Behavioral Sciences (GS) courses</b>						

Lehigh Carbon Community College				Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
<i>RECOMMENDED General Education Arts courses</i>			<i>Recommend taking two General Education Arts (GA) courses</i>				
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct	
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution	
IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's and Gender Studies (US)(IL)	3	Direct	
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)	3	Direct	
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government	3	Direct	
PSC 237	International Relations	3	PL SC 014	International Relations (IL)	3	Direct	
PSY 242	Child Development	3	HD FS 229	Infant and Child Development	3	Direct	
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct	
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies	3	Direct	
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct	
SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct	
SOC 250	Criminology	3	SOC 012	Criminology	3	Direct	
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct	

**Addendum A (4)  
Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in Communication  
Penn State, Baccalaureate Degree in Corporate Communication**

Offered at Penn State Hazleton, Lehigh Valley, Schuylkill, Wilkes-Barre and Worthington Scranton		Lehigh Carbon Community College		Penn State University, University College	
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS
CMN 201	Intercultural Communication	3	United States Cultures Requirement and Elective	CAS 271 Intercultural Communication (US; IL)	3
BUS 241	Business Law I (Free Elective)	3	Additional Course Requirement	B LAW 243 Business Law (must take BA 297 (1) at PSU for substitution for BA 243	3
ECO 201 or ECO 202	Macroeconomics or Microeconomics (Free Elective)	3	Bachelor of Arts Degree Requirement	ECON 104 (GS) Principles of Macroeconomics or ECON 102 (GS) Principles of Microeconomics	3
CMN 105	Interpersonal Communication	3	Elective	CAS 203 Interpersonal Communications (GS)	3
CMN 112	Oral Communication & Presentation	3	Elective	CAS (TR)	3
CMN 115	Argumentation & Debate (Communications Elective)	3	Elective	CAS 215 Argumentation	3
CMN 121	Introduction to Communication Theory	3	Elective	CAS 202 (GS) Introduction to Communication Theory	3
DMP 105	Introduction to Media Communications (Communications Elective)	3	Major Requirement	COMM 100 (GS) The Mass Media and Society	3
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric & Composition	3
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3

**Bachelor of Arts in Corporate Communication**  
<http://bulletins.psu.edu/undergrad/courses/C/CC/>

ENGL106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Effective Writing: Writing/Humanities	3	Direct						
MAT 150	Introduction to Probability and Statistics (Math Elective)	3	General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts	3	Direct						
PSY140	Introduction to Psychology (Social Science Elective)	3	General Education Social Science (GS)	PSYCH 100 (GS) Introduction to Psychology	3	Direct						
SOC 154	Introduction to Women's Studies (Social Science Elective)	3	General Education Social Science (GS)	WMNST 100 (GS;US;IL) Women/Gender Studies	3	Direct						
See Recommended General Education Courses	Elective – General Education	9	Recommended: General Education Arts (GA) (6 credits required) and General Education Natural Science (GN)(3 credits required)	See recommended GA or GN courses	9	Direct						
							Elective – Literature	3	General Education Humanities (GH)	See recommended GH courses	3	Direct
							Elective – Humanities	3	General Education Humanities (GH)	See recommended GH courses	3	Direct
	Elective – Laboratory Science	4-5	General Education Natural Science (GN)	See recommended GN courses	4	Direct						
Total LCCC Credits		61-62		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.*

**General Education Equivalencies**

Lehigh Carbon Community College			Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<b>RECOMMENDED General Education Humanities courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct
<b>RECOMMENDED General Education Mathematics courses</b>						
MATH 125	Fundamentals of Mathematics I	3	MATH 200	Problem Solving in Mathematics	3	Direct
MATH 150	Introduction to Probability and Statistics (required)	3	STAT 100	Elementary Statistics	3	Direct
MATH 160	College Algebra	3	MATH 021	College Algebra I	3	Direct
MATH 165	College Trigonometry	3	MATH 026	Plane Trigonometry	3	Direct
<b>RECOMMENDED General Education Science elective courses</b>						
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution

BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEO SC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science		BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science elective courses</b>			<b>Recommend taking the two General Education Social and Behavioral Sciences (GS) courses</b>			
ECO 201	Principles of Macroeconomics	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
SOC 154	Introduction to Women's Studies	3	WMNST 100	Women/Gender Studies	3	Direct



**Addendum A (5)**  
**Program-to-Program Articulation**

Lehigh Carbon Community College, Associate Degree in Education  
Penn State University, Baccalaureate Degree in Rehabilitation & Human Services

Offered at Penn State Hazleton, Lehigh Valley and Wilkes-Barre  
*Lehigh Carbon Community College*

Offered at Penn State Hazleton, Lehigh Valley and Wilkes-Barre <i>Lehigh Carbon Community College</i>		Penn State University, University College				
Associate of Arts in Education <a href="http://lecc.edu/academics/school-education/education-aa?destination=node%2F482">http://lecc.edu/academics/school-education/education-aa?destination=node%2F482</a>		Bachelor of Science in Education, Rehabilitation & Human Services <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS">http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric & Composition	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Effective Writing: Writing in Humanities	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Speech	3	Direct
Humanities/Social Science PSY 140	Intro to Psychology (Social Science)	3	Major Requirement and General Education Social and Behavioral Science (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
Humanities/Social Science SOC 150	Intro to Sociology (Social Science)	3	Major Requirement and General Education Social and Behavioral Science (GS)	SOC 001 (GS) Introductory Sociology	3	Direct
SOC 151 PSY 145 SOC 250	Modern Social Problems Human Growth & Dev. Criminology	3 3 3	Supporting Courses and Elective	6 credits of Supporting Courses From CRIM, BB H, HD FS, KINES, PSYCH or SOC 3 credits of Electives	3 3 3	Substitution Substitution Elective
Science (Lab) BIO 110	Intro to Biology	4	General Education Natural Science (GN) and	BIOL (TR)	4	Substitution

Mathematics MAT 160	College Algebra	3	Additional Course				
General Education PSY 242	Child Development	3	General Education Quantification (GQ)	MATH 021 (GQ) College Algebra	3	Direct	
General Education PSY 243	Abnormal Psychology	3	Supporting Course Prescribed Major Course	PSYCH 212 (GS) Intro to Developmental Psychology	3	Substitution	
General Education MAT 150	Introduction to Probability and Statistics	3	General Education Quantification (GQ)	PSYCH 270 (GS) Abnormal Psychology	3	Substitution	
EDU 101	Foundations of Education	3	Elective	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct	
EDU 105	Introduction to Special Education	3	Elective	EDTHP 115 Education in American Society	3	Elective	
EDU 115	Education Field Experience	1	Elective	SPLED Introduction to Special Education	3	Elective	
EDU 202 or 240; ECE 125, 205 or 230; ECI 220, 230 or 245	Education Elective	3	Elective	CI Education Field Experience I	1	Elective	
See Recommended General Education Courses	Humanities Elective	3	General Education Humanities (GH)	EDUC, HD FS or LL ED	3	Elective	
	Art Elective	6	General Education Arts (GA)	See Recommended GH list	3	Direct	
	Science Elective	4	General Education Natural Science (GN)	See Recommended GA list	6	Direct	
Total LCCC Credits		63		See Recommended GN list	4	Direct	
				Total PSU Credits	63		

*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 Equivalencies**

Lehigh Carbon Community College		Penn State University, University College				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct

<b>RECOMMENDED General Education Humanities courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct
<b>RECOMMENDED General Education Mathematics courses</b>						
MATH 150	Introduction to Probability and Statistics (required)	3	STAT 100	Elementary Statistics	3	Direct
MATH 160	College Algebra	3	MATH 021	College Algebra I	3	Direct
<b>RECOMMENDED General Education Laboratory Science elective courses</b>						
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct

BIO 115	Field Biology			BIOL GEN	Field Biology	3		Substitution	
BIO 116	Topics in Botany	3		BI SC GEN	Topics in Botany	3		Substitution	
BIO 120	Biology of Aging	3		BIOL GEN	Biology of Aging	3		Substitution	
BIO 130	Cataclysm: The Science of Natural Disasters	3		GEO SC GEN	Cataclysm: The Science of Natural Disasters	3		Substitution	
BIO 135	Environmental Science	3		BI SC 003	Environmental Science	3		Direct	
BIO 220	Introduction to Microbiology	4		MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1		Direct	
CHE 105	Fundamentals of Chemistry	4		CHEM 110	Chemical Principles I	3		Substitution	
CHE 111	General Chemistry I	4		CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1		Direct	
CHE 112	General Chemistry II	4		CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1		Substitution	
PHY 210	General Physics I	5		PHYS 211	General Physics: Mechanics	4		Direct	
PHY 215	General Physics II	5		PHYS 212	General Physics: Electricity & Magnetism	5		Direct	
<b>RECOMMENDED General Education Social Science elective courses</b>									
PSY 140	Introduction to Psychology	3		PSYCH 100	Introductory Psychology	3		Direct	
SOC 150	Introduction to Sociology	3		SOC 001	Introductory Sociology	3		Direct	
<b>Recommend taking the <u>two required General Education Social and Behavioral Sciences (GS) courses</u></b>									

**Addendum A (6)  
Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in General Studies  
Penn State University, Baccalaureate Degree in Rehabilitation & Human Services**

Offered at Penn State Hazleton, Lehigh Valley and Wilkes-Barre <i>Lehigh Carbon Community College</i>		Penn State University, University College				
<i>Associate of Arts in General Studies</i> <a href="http://lccc.edu/academics/school-humanities-and-social-sciences/general-studies-aa?destination=node%2F474">http://lccc.edu/academics/school-humanities-and-social-sciences/general-studies-aa?destination=node%2F474</a>		<i>Bachelor of Science in Education, Rehabilitation &amp; Human Services</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS">http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric & Composition	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Effective Writing: Writing in Humanities	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct
Humanities/Social Science PSY 140	Intro to Psychology	3	Major Requirement and General Education Social and Behavioral Science (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
Humanities/Social Science SOC 150	Intro to Sociology	3	Major Requirement and General Education Social and Behavioral Science (GS)	SOC 001 (GS) Introductory Sociology	3	Direct
SOC 151 PSY 145 SOC 250	Modern Social Problems Human Growth & Dev. Criminology	3 3 3	Supporting Course Supporting Course Elective	SOC (TR) PSYCH (TR) SOC (TR)	3 3 3	Substitution Substitution Elective
Science (Lab) BIO 110	Intro to Biology	4	General Education Natural Science (GN) and Additional	BIOL (TR)	4	Substitution

Mathematics MAT 160	College Algebra	3	General Education Quantification (GQ)	MATH 021 (GQ) College Algebra	3	Direct
General Education PSY 242	Child Development	3	Supporting Course	PSYCH 212 (GS) Intro to Developmental Psychology	3	Substitution
General Education PSY 243	Abnormal Psychology	3	Prescribed Major Course	PSYCH 270 (GS) Abnormal Psychology	3	Substitution
General Education MAT 150	Introduction to Probability and Statistics	3	General Education Quantification (GQ)	STAT 100 (GQ) Statistical Concepts and Reasoning	3	Direct
SOC 251	The Family	3	Elective	SOC 030 Sociology of the Family (Elective)	3	Elective
See Recommended General Education Courses	Humanities Elective	6	General Education Humanities (GH)	See Recommended GH list	6	Direct
	Art Elective	6	General Education Arts (GA)	See Recommended GA list	6	Direct
	Science Elective	4	General Education Natural Science (GN)	See Recommended GN list	4	Direct
PED		1	General Education Health and Physical Education (GHA)	KINES (GHA)	1	Substitution
Total LCCC Credits		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.*

*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 Equivalencies

Lehigh Carbon Community College			Penn State University, University College		
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>					
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3 Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3 Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3 Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3 Direct
<b>RECOMMENDED General Education Humanities courses</b>					
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3 Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3 Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3 Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3 Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3 Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3 Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3 Direct
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3 Direct
<b>RECOMMENDED General Education Mathematics courses</b>					
MATH 125	Fundamentals of Mathematics I	3	MATH 200	Problem Solving in Mathematics	3 Direct
MATH 150	Introduction to Probability and Statistics (required)	3	STAT 100	Elementary Statistics	3 Direct
MATH 160	College Algebra	3	MATH 021	College Algebra I	3 Direct
MATH 165	College Trigonometry	3	MATH 026	Plane Trigonometry	3 Direct
<b>RECOMMENDED General Education Science courses</b>					
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3 Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3 Substitution

BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEO SC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science elective courses</b>			<b>Recommend taking the <u>two required General Education Social and Behavioral Sciences (GS) courses</u></b>			
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct



**Addendum A (7)**  
**Program-to-Program Articulation**

Lehigh Carbon Community College, Associate Degree in Computer Science  
Penn State University, Baccalaureate Degree in Information Sciences and Technology

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

<i>Lehigh Carbon Community College</i>		<i>Penn State University, University College</i>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION ELECTIVE OR NOT TRANSFERRABLE
<p align="center"><i>Associate of Science in Computer Science</i>  <a href="http://www.lccc.edu/academics/school-computer-science-and-arts/computer-science-0">http://www.lccc.edu/academics/school-computer-science-and-arts/computer-science-0</a>  <a href="http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf">http://www.lccc.edu/sites/www.lccc.edu/files/documents/LCCC%20Catalog%2011-13-bookmarked.pdf</a></p>						
CIS 105	Introduction to Computers & Applications	3	Major Requirement	*IST 110 Information, People and Technology	3	Substitution
CIS 155	Introduction to Computer Science – Structured Programming – C++	3.5	Major Requirement	CMFSC 101 Introduction to C++ Programming (GQ)	3	Substitution
CIS 165	Data Structure – C++	3.5	Elective	CMFSC (TR)	3	Elective
CIS 225	Computer Organization and Architecture	3	Support Of Option	CMFSC (TR)	3	Substitution
CIS 250	Operating Systems	3	Elective	CMFSC	3	Elective
CIS 255	Database Environment	3.5	Major Requirement	*IST 210 Organization of Data	3	Substitution
ENG 105	College English	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric & Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B Writing in Humanities for ENGL 202C/D (GWS)	3	Substitute
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech (GWS)	3	Direct

BUS 150	Business Statistics	3.5	Major Requirement and General Education Quantification (GQ)	SCM 200 Introduction to Statistics for Business (GQ)	3	Substitution
MATH 190	Calculus & Analytic Geometry I	3	Major Requirement and General Education (GQ)	MATH 140 Calculus with Analytic Geometry I	3	Substitution
MAT 195	Calculus & Analytic Geometry II	3	Supporting Course	MATH TR Calculus with Analytic Geometry II	3	Substitution
MAT 192	Discrete Math	3	Supporting Course	MATH TR Discrete Math	3	Substitution
PHY 210	General Physics I	5	General Education Natural Science (GN)	PHYS 211 General Physics: Mechanics (GN)	4	Direct
PHY 215	General Physics II	5	General Education Natural Science (GN)	PHYS 212 General Physics: Electricity & Magnetism (GN)	4	Direct
See Recommended General Education Courses	Art Elective	3	General Education Arts (GA)	See recommended GA list	3	Direct
	Art Elective	3	General Education Arts (GA)	See recommended GA list	3	Direct
	Humanities Elective	3	General Education Humanities (GH)	See recommended GH list	3	Direct
	Humanities Elective	3	General Education Humanities (GH)	See recommended GH list	3	Direct
	Social Science Elective <i>Recommended ECO 201 Microeconomics or ECO 202 Macroeconomics</i>	3	Major Requirement and General Education Social Science (GS)	ECON 002 or ECON 004: Microeconomics and Macroeconomics	3	Direct
Social Science Elective	3	General Education Social Science	See recommended GS list	3	Direct	
Total LCCC Credits		69	Total PSU Credits		65	

\*Entrance to ISSCC requires completion of PSU IST 110, 210 and 220 and Math 22 or higher. Students who complete MAT 188 and CIS 105 and 255 will be admitted to pre-major status to complete IST 220 at PSU prior to entrance to major.

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 she/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 Equivalencies

Lehigh Carbon Community College		Penn State University, University College				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<b>RECOMMENDED General Education Humanities courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct

PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct
<b>RECOMMENDED General Education Science courses</b>			<b>Recommend taking three General Education Natural Science (GN) courses</b>			
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEOSC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science courses</b>			<b>Recommend taking ECO 201 or ECO 202 and one additional General Education Social and Behavioral Sciences (GS) courses</b>			
PSY 242	Child Development	3	HD FS 229	Infant & Child Development	3	Direct
ECO 201	Principles of Macroeconomics (recommended)	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics (recommended)	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)	3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)	3	Direct

IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's and Gender Studies (US)(IL)	3	Direct
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)	3	Direct
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government	3	Direct
PSC 237	International Relations	3	PL SC 014	International Relations (IL)	3	Direct
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct
SOC 250	Criminology	3	SOC 012	Criminology	3	Direct
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct
SOC 258	Cultural Anthropology	3	ANTH 045	Cultural Anthropology (US)(IL)	3	Direct
SOC 283	Introduction to Social Psychology	3	SOC 003	Introductory Social Psychology	3	Direct

**Addendum A (8)**  
**Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in Computer Information Systems**  
**Penn State University, Baccalaureate Degree in Information Sciences and Technology**

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

<i>Lehigh Carbon Community College</i>				<i>Penn State University, University College</i>			
<i>Associate of Science in Computer Information Systems</i> <a href="http://www.lccc.edu/academics/school-computer-science-and-arts/computer-information-systems">http://www.lccc.edu/academics/school-computer-science-and-arts/computer-information-systems</a>				<i>Bachelor of Science in Information Sciences and Technology</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/IST">http://bulletins.psu.edu/undergrad/programs/baccalaureate/IST</a> <a href="http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm">http://bulletins.psu.edu/bulletins/bluebook/university_course_descriptions.cfm</a>			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION ELECTIVE OR NOT TRANSFERRABLE	
BUS 120	Intro to Business Organization	3	General Education Social and Behavioral Science (GS)	BA 100 Introduction to Business (GS)	3	Direct	
CIS 105	Introduction to Computers & Applications	3	Major Requirement	*IST 110 Information, People and Technology	3	Substitution	
CIS 110	Business Information Systems	3.5	Elective	MIS TR	3	Elective	
CIS 111	Electronic Commerce	3	Support of Option	IST TR	3	Substitution	
CIS 145	Systems Analysis and Design	3	Elective	CMpsc TR	3	Elective	
CIS 155	Introduction to Computer Science – Structured Programming – C++	3.5	Major Requirement	CMpsc 101 Introduction to C++ Programming (GQ)	3	Substitution	
CIS 225	Computer Organization and Architecture	3	Support Of Option	CMpsc TR	3	Substitution	
CIS 250	Operating Systems	3	Elective	CMpsc TR	3	Elective	
CIS 255	Database Environment	3.5	Major Requirement	*IST 210 Organization of Data	3	Substitution	
CIS 280	GUI Applications Dev Tools Practicum	3	Elective	MIS TR	3	Elective	
NET 110	Network Essentials	3	Major Requirement	*IST 220 Organization of Data	3	Substitution	

ENG 105	College English	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric & Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202 B Writing in Humanities (GWS) (substituted for ENGL 202C/D)	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	Effective Speech	3	Direct
Math 188	Business Calculus	3	Major Requirement and General Education (GQ)	MATH 110 Business Calculus	3	Substitution
	Laboratory Science Elective	4	General Science Elective	See recommended GN list	4	Substitution
	Humanities Elective	6	General Education Humanities GA	See recommended GA list	6	Direct
	Humanities Elective	3	General Education Humanities (GH)	See recommended GH list	3	Direct
	Social Science Elective Recommended ECO 201 Microeconomics or ECO 202 Macroeconomics	3	Major Requirement and General Education Social Science (GS)	ECON 002 or ECON 004; Microeconomics and Macroeconomics	3	Direct
Total LCCC Credits				62.5		
				Total PSU Credits		61

\*Entrance to ISSCC requires completion of PSU IST 110, 210 and 220 and Math 22 or higher. Students who complete LCCC MAT 188 and CIS 105 and 255 and NET 110 will be admitted to the major.  
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 she/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 Equivalencies

Lehigh Carbon Community College				Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
<b>RECOMMENDED General Education Arts courses</b>							
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct	
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution	
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct	
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct	
<b>RECOMMENDED General Education Humanities courses</b>							
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct	
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct	
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct	
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct	
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct	
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct	
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct	
REL 201	Comparative Religion	3	RL ST 101	Comparative Religion (IL)	3	Direct	
<b>RECOMMENDED General Education Laboratory Science courses</b>							
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct	
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution	
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Botany	3	Substitution	
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution	
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEO SC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution	
<b>RECOMMEND taking three General Education Natural Science (GN) courses</b>							

*Recommend taking two General Education Arts (GA) courses*

*Recommend taking two General Education Humanities (GH) courses*



BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science courses</b>						
<b>Recommend taking ECO 201 or ECO 202 and one additional General Education Social and Behavioral Sciences (GS) courses</b>						
ECO 201	Principles of Macroeconomics (recommended)	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics (recommended)	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)	3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)	3	Direct
IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's and Gender Studies (US)(IL)	3	Direct
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)	3	Direct
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government	3	Direct
PSC 237	International Relations	3	PL SC 014	International Relations (IL)	3	Direct
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies	3	Direct
PSY 242	Child Development	3	HD FS 229	Infant and Child Development	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct

SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct
SOC 250	Criminology	3	SOC 012	Criminology	3	Direct
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct
SOC 258	Cultural Anthropology	3	ANTH 045	Cultural Anthropology (US)(IL)	3	Direct
SOC 283	Introduction to Social Psychology	3	SOC 003	Introductory Social Psychology	3	Direct

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

**Lehigh Carbon Community College, Associate Degree in Psychology**  
**Penn State University, Baccalaureate Degree in Rehabilitation & Human Services**

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

<b>Lehigh Carbon Community College</b> <i>Associate of Arts in Psychology</i> <a href="http://lccc.edu/academics/school-humanities-and-social-sciences/psychology">http://lccc.edu/academics/school-humanities-and-social-sciences/psychology</a>		<b>Penn State University, University College</b> <i>Bachelor of Science in Education, Rehabilitation &amp; Human Services</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS">http://bulletins.psu.edu/undergrad/programs/baccalaureate/R/RHS</a>				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE
PSY 140	Intro to Psychology	3	Prescribed Major Course and General Education Social and Behavioral Science (GS)	PSYCH 100 (GS) Introductory Psychology	3	Direct
PSY 242	Child Development	3	Supporting Major Course	HDFS 229 (GS) Infant and Childhood Development	3	Substitution
PSY 243	Abnormal Psychology	3	Prescribed Major Course	PSYCH 270 (GS) Abnormal Psychology	3	Substitution
PSY 255	Introduction to Statistical Analysis	4	General Education Quantification (GQ)	STAT 200 (GQ) Elementary Statistics in Psychology	4	Substitution
PSY 256	Research Methods in Psychology	4	Elective	PSYCH TR Research Methods for Psychology	4	Elective
SOC 150	Intro to Sociology	3	Prescribed Major Course and General Education Social and Behavioral Science (GS)	SOC 001 (GS) Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	Supporting Course	SOC 005 (GS) Social Problems	3	Direct
SOC 250	Criminology	3	Elective	SOC 012 Criminology	3	Elective
BIO101	Intro to Biology	4	General Education Natural Science (GN)	BIOL TR Intro to Biology	4	Substitution

ENG 105	College English	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric & Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B Writing in Humanities (GWS)	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech (GWS)	3	Direct
Mathematics MAT 160 or MAT150	College Algebra or Introduction to Probability and Statistics	3	General Education Quantification (GQ)	MATH 021 College Algebra or STAT 100 (GQ)	3	Direct
PHIL 205	Ethics	3	General Education Humanities (GH)	PHIL 003 (GH)	3	Direct
See Recommended General Education Courses	Humanities Elective	3	General Education Humanities (GH)	See Recommended GH list	3	Direct
	Art Elective	6	General Education Arts (GS)	See Recommended GA list	6	Direct
	Science Elective	6	General Education Natural Science (GN)	See Recommended GN list	6	Direct
Total LCCC Credits		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.*

*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 Equivalencies

Lehigh Carbon Community College		Penn State University, University College				
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts courses</b>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<b>RECOMMENDED General Education Humanities courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 100	Comparative Religion (IL)	3	Direct
<b>RECOMMENDED General Education Mathematics courses</b>						
MATH 160	College Algebra	3	MATH 021	College Algebra I	3	Direct
<b>RECOMMENDED General Education Laboratory Science courses</b>						
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topic in Biology	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution

BIO 130	Cataclysm: The Science of Natural Disasters	3	GEOSC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIO 135	Environmental Science	3	BI SC 003	Environmental Science	3	Direct
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I	3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics	4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science elective courses</b>						
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct
<b>Recommend taking the two required General Education Social and Behavioral Sciences (GS) courses:</b>						

**Addendum A (10)**  
**Program-to-Program Articulation**

**Lehigh Carbon Community College, Associate Degree in Psychology**  
**Penn State, Baccalaureate Degree in Psychology**

Offered at Penn State Hazleton, Lehigh Valley and Worthington Scranton		Penn State University, University College		DIRECT, SUBSTITUTION, ELECTIVE OR NOT TRANSFERRABLE	
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS
BIO 101	Introduction to Biology	4	General Education Natural Sciences (GN)	BIOL TR	4
ENG 105	College English I	3	General Education Writing and Speaking(GWS)	ENGL 015 (GWS) Rhetoric and Composition	3
ENG 106	College English II	3	General Education Writing and Speaking(GWS)	ENGL 202B (GWS) Effective Writing: Writing in Humanities	3
ENG 111	Speech	3	General Education Writing and Speaking(GWS)	CAS 100 (GWS) Effective Speech	3
MAT 150, MAT 155 or MAT 160	Probability and Statistics Finite Mathematics College Algebra	3	General Education Quantification (GQ)	STAT 100 (GQ)Statistical Concept and Reasoning MATH (TR) MATH 021 (GQ) College Algebra I	3
PHI 205	Ethics	3	General Education Humanities (GH)	PHIL 003 (GH) Persons, Moral Values and the Good Life	3
PSY 140	Introduction to Psychology	3	Major Requirement	PSYCH 100 (GS) Introductory Psychology	3
PSY 145 or PSY 242	Human Growth & Development or Child Development	3	General Education Social Sciences (GS)	HD FS 129 (GS) Intro. to Human Development and Family Studies or HD FS 229 (GS)Infant and Child Development	3
PSY 243 or PSY 283	Abnormal Psychology Intro. to Social Psychology	3	Additional Courses:	PSYCH 270 (GS) Introduction to Abnormal Psychology PSYCH 221 (GS) Introduction to Social Psychology	3
PSY 255	Intro. to Statistical Analysis	4	Major Requirement and General Education	PSYCH 200 (GQ) Elementary Statistics in Psychology	4

**Lehigh Carbon Community College**  
*Associate of Arts in Psychology*  
<http://lecc.edu/academics/school-humanities-and-social-sciences/psychology>

**Penn State University, University College**  
*Bachelor of Arts or Science in Psychology*  
<http://bulletins.psu.edu/undergrad/programs/baccalaureate/P/PSCBA>  
<http://bulletins.psu.edu/undergrad/programs/baccalaureate/P/PSCBS>

PSY 256	Research Methods in Psychology	4	Quantification (GQ) Major Requirement	PSYCH 301W Basic Research Methods in Psychology	4	Substitution
SOC 150	Introduction to Sociology	3	General Education Social Sciences (GS)	SOC 001 (GS) Introductory Sociology	3	Direct
	Humanities Elective	3	General Education Humanities (GH)	See recommended GH List	3	Direct
	Free Elective	3	General Education Arts (GA)	See recommended GA List	3	Direct
	Humanities	3	Elective in BS program Bachelor of Arts Degree Requirement in BA program	See recommended GH List	3	Elective
	Science/Mathematic	3	General Education Natural Science GN/ recommended	See recommended GN	3	Direct
See Recommended General Education Courses	Humanities/Social Sciences (other than PSY)	3	Elective in BS program Bachelor of Arts Degree Requirement in BA program	See recommended GH/GS List	3	Elective
	General Education	3	General Education Arts (GA)	See recommended GA List	3	Direct
	Humanities/Social Sciences (other than PSY)	3	Elective in BS program Bachelor of Arts Degree Requirement in BA program	See recommended GH/GS List	3	Elective
Total LCCC		60 Credits	Total PSU Credits		60 Credits	

*Penn State requires three credits of International Cultures (II) and three credits of United States Cultures (US). The two courses that fulfill the II 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 Equivalencies**

Lehigh Carbon Community College			Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<b>RECOMMENDED General Education Arts elective courses</b>						
ART 101	Introduction to Art	3	ARTH 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<b>RECOMMENDED General Education Humanities elective courses</b>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL-ST 001	Introduction to World Religions (US)(IL)	3	Direct
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct

HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (1L)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(1L)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 110	Comparative Religion (1L)	3	Direct
<b>RECOMMENDED General Education Mathematics elective courses</b>						
MATH 125	Fundamentals of Mathematics I	3	MATH 200	Problem Solving in Mathematics	3	Direct
MATH 150	Introductory Probability & Statistics	3	STAT 100	Elementary Statistics	3	Direct
MATH 160	College Algebra	3	MATH 021	College Algebra I	3	Direct
MATH 165	College Trigonometry	3	MATH 026	Plane Trigonometry	3	Direct
MATH 125	Fundamentals of Mathematics I	3	MATH 200	Problem Solving in Mathematics	3	Direct
MATH 150	Introduction to Probability and Statistics	3	STAT 100	Elementary Statistics	3	Direct
MATH 160	College Algebra	3	MATH 021	College Algebra I	3	Direct
<b>RECOMMENDED General Education Science elective courses</b>						
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct
BIO 115	Field Biology		BIOL GEN	Field Biology	3	Substitution
BIO 116	Topics in Botany	3	BI SC GEN	Topics in Biology	3	Substitution
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging	3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	GEOSC GEN	Cataclysm: The Science of Natural Disasters	3	Substitution
BIL 135						
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory	3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I	3	Substitution
<b>Recommend taking one General Education Quantification (QO) courses</b>						
<b>Recommend taking three General Education Natural Science (GN) courses</b>						

CHE 111	General Chemistry I	4	CHEM 110	Chemical Principles I	3	Direct
CHE 112	General Chemistry II	4	CHEM 111	Experimental Chemistry I	1	Substitution
PHY 210	General Physics I	5	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II	3 1	Direct
PHY 215	General Physics II	5	PHYS 211	General Physics: Mechanics	4	Direct
			PHYS 212	General Physics: Electricity & Magnetism	5	Direct
<b>RECOMMENDED General Education Social Science (GS) courses</b>						
ECO 201	Principles of Macroeconomics	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)	3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)	3	Direct
IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's and Gender Studies (US)(IL)	3	Direct
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)	3	Direct
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government	3	Direct
PSC 237	International Relations	3	PL SC 014	International Relations (IL)	3	Direct
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies	3	Direct
PSY 242	Child Development	3	HD FS 229	Infant & Child Development	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct
SOC 250	Criminology	3	SOC 012	Criminology	3	Direct
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct
SOC 258	Cultural Anthropology	3	ANTH 045	Cultural Anthropology (US)(IL)	3	Direct
SOC 283	Introduction to Social Psychology	3	SOC 003	Introductory Social Psychology	3	Direct

Addendum A (11)  
Program-to-Program Articulation

**Lehigh Carbon Community College Associate of Science in Biology  
Penn State Baccalaureate in Science with General Science Option**

Offered at Penn State Worthington Scranton

<i>Lehigh Carbon Community College</i>				<i>PSU University College</i>			
<i>Associate of Science in Biology</i>				<i>Bachelor of Science in Science with General Science Option</i>			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
BIO 110 and BIOL 111 (both courses must be completed)	General Biology I	8	Required Course in Major and General Education Natural Science (GN)	BIOL Gen for BIOL 110 and BIOL Gen BIOL 240W	8	Substitution	
CHE 111	General Chemistry I	4	Required Course in Major and General Education Natural Science (GN)	*CHEM 110/CHEM 111 (GN) Chemical Principles I and Experimental Chemistry I	4	Direct	
CHE 112	General Chemistry II	4	Required Course in Major and General Education Natural Science (GN)	CHEM GEN for CHEM 112/113 (GN) Chemical Principles II and Experimental Chemistry II	4	Substitution	
CHE 205	Organic Chemistry I	4	General Option – Supporting Course Life Science Option – Additional Course	CHEM GEN for CHEM 202	4	Substitution	
CHE 206	Organic Chemistry II	4	General Option – Supporting Course Life Science Option – Additional Course	CHEM GEN for CHEM 203	4	Substitution	
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 (GWS) Rhetoric and Composition	3	Direct	
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS) Writing/Humanities	3	Direct	
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS) Effective Speech	3	Direct	
MAT 190 MAT 195 (lower level math courses not transferrable to this program)	Calculus with Analytical Geometry I and Calculus with Analytical Geometry II	6	Major Requirement General Education Quantification	MATH TR for MATH 140 GQ and MATH TR for MATH 141	6	Substitution	

Social Science Elective – Suggested Course - PSY 145, SOC 150, SOC 151	Human Growth & Development – The Life Span; Psychology of Aging; Introduction to Sociology; Modern Social Problems	6	General Education Social and Behavioral Sciences (GS)	HD FS 129 (GS) Introduction to Human Development & Family Studies; HD FS 249 (GS); SOC 001 (GS) Introductory Sociology; SOC 005 (GS) Social Problems	6	Direct
Humanities Elective - Suggested course – HIS 123, HIS 124, HIS 130, HIS 131, HIS 224,	United States to Reconstruction; United States Since Reconstruction; Western Civilization I; Western Civilization II; World War II	3	General Education Humanities (GH) and United States(US) or International Cultures Requirement (IL)	HIST 020 (GH;US) American Civilization to 1877; HIST 021 (GH;US) American Civilization Since 1977; HIST 001 (GH;IL) Western Heritage I HIST 144 (GH/IL) Western Heritage II The World at War: 1939-1945 (GH, US or IL)	3	Direct
Biology Elective Recommended BIO 205	Botany with lab	4	Supporting Major Course	BIOL TR	4	Substitution
Biology Elective Recommended BIO 218	Genetics with lab	4	Supporting Major Course	BIOL TR	4	
Humanities Elective - Suggested course – ART 101, PHI 201, PHI 205	Introduction to Art; Introduction to Philosophy; Introduction to Ethics	3	General Education Arts (GA) or General Education Humanities (GH)	ART H 100 (GH;IL) Introduction to Art; PHIL 001 (GH) Basic Problems in Philosophy; PHIL 003 (GH) Persons, Moral Values, and the Good Life	3	Direct
Math/Science Elective – PHY 201 or 210 recommended	Intro to Physics I or General Physics I	3-4	Required Course and General Education Natural Science (GN)	PHYS 250 Intro to Physics or PHYS 211 Mechanics or	3-4	Direct
Total LCCC Credits		62-63	Total PSU Credits		62-63	

\*Entrance to major requires completion of PSU MATH 140 and two of the following three courses: BIOL 110, CHEM 110/111 or PHYS 211. LCCC students should complete MAT 190, and two from BIO 110, CHEM 111 or PHYS 201 or 250 prior to transfer to 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 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.*

Lehigh Carbon Community College			Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
<i>RECOMMENDED General Education Arts elective courses</i>						
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct
<i>RECOMMENDED General Education Humanities elective courses</i>						
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct
REL 201	Comparative Religion	3	RL ST 001	Introduction to World Religions (US)(IL)	3	Direct
<i>Recommend taking two General Education Humanities (GH) courses</i>						

<i>RECOMMENDED General Education Social Science elective courses</i>		<i>Recommend taking two General Education Social and Behavioral sciences (GS) courses</i>				
PSY 242	Child Development	3	HD FS 229	Infant & Child Development	3	Direct
ECO 201	Principles of Macroeconomics	3	ECON 104	Introductory Macroeconomic Analysis and Policy	3	Direct
ECO 202	Principles of Microeconomics	3	ECON 102	Introductory Microeconomic Analysis and Policy	3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)	3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)	3	Direct
IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's Studies (US)(IL)	3	Direct
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)	3	Direct
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government	3	Direct
PSC 237	International Relations	3	PL SC 014	International Relations (IL)	3	Direct
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology	3	Direct
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies	3	Direct
SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct
SOC 250	Criminology	3	SOC 012/ CRIMJ 012/ CRIM 012	Criminology	3	Direct
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct
SOC 258	Cultural Anthropology	3	ANTH 045	Cultural Anthropology (US)(IL)	3	Direct
SOC 283	Introduction to Social Psychology	3	SOC 003	Introductory Social Psychology	3	Direct

Addendum A (12)  
Program-to-Program Articulation

Lehigh Carbon Community College, Associate Degree in Social Work (SOWA)  
Penn State, Baccalaureate Degree in Human Development and Family Services

Offered at Penn State Worthington Scranton

<i>Lehigh Carbon Community College</i> <i>Associate of Arts in Social Work</i> <a href="http://www.lecc.edu/academics/school-humanities-and-social-sciences/social-work-aa">http://www.lecc.edu/academics/school-humanities-and-social-sciences/social-work-aa</a>			<i>Penn State University, University College</i> <i>Bachelor of Science in Human Development and Family Studies</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/H/HD">http://bulletins.psu.edu/undergrad/programs/baccalaureate/H/HD</a>			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION, ELECTIVE, NON- USABLE IN MAJOR
HUS 110	Introduction to Human Services	3	Elective	RHS (TR)	3	Elective
HUS 120	Communication and Interviewing	3	Elective	CAS (TR)	3	Elective
ECO 201	Principles of Macroeconomics	3	Supporting Major Course	ECON 104 Introduction to Macroeconomics (GS)	3	Direct
ENG 105	College English I	3	General Education Writing and Speaking (GWS)	ENGL 015 Rhetoric and Composition (GWS)	3	Direct
ENG 106	College English II	3	General Education Writing and Speaking (GWS)	ENGL 202B (GWS)	3	Direct
ENG 111	Speech	3	General Education Writing and Speaking (GWS)	CAS 100 Effective Speech (GWS)	3	Direct
PSY 140	Introduction to Psychology	3	General Education Social Science (GS)	PSYCH 100 Introductory Psychology (GS)	3	Direct
PHI 205	Introduction to Ethics	3	General Education Humanities (GH)	PHIL 003 (GH) Persons, Moral Values and the Good Life	3	Direct
PSC 141	American Federal Government	3	General Education Social Science (GS) (substitute in 3, 6, 9 for General Education Arts (GA))	PL SC 001(GS) Introduction to American National Government	3	Substitution
SOC 150	Introduction to Sociology	3	Supporting Course	SOC 001 (GS) Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	Supporting Course or Elective depending on option choice	SOC 005 (GS) Social Problems	3	Direct
SOC 251	Family	3	Supporting Course or Elective depending on option choice	SOC 030(GS) Sociology of the Family	3	Direct
MAT 150	Introduction to Probability and	3	General Education Quantification (GQ) and Major Requirement	STAT 100 (GQ) Elementary Statistics	3	Substitution



PSY 145	Statistics Human Growth & Development	3	Major Requirement	HDFS 129 (GS) Introduction to Human Development and Family Studies	3	Direct
HIS 124	United States Since Reconstruction	3	General Education Humanities (GH)	HIST 021 American Civilization Since 1877 (GH; US)	3	Direct
Humanities Elective	Recommend 3 credits of GA and 3 credits of GH from list	6	General Education Arts(GA) or Humanities (GH)	See Recommended GA and GH lists	6	Direct
Social Science Electives	Recommend PSY 242 Child Development and 3 additional credits from list	6	Major Prescribed Requirement	HD FS 229 Infant and Child Development and General Education Social Science from list	6	Direct
Natural Science Elective (Lab)	See Recommended General Education Courses - GN	4-5	General Education Social and Behavioral Science (GS) General Education Natural Sciences (GN)	See Recommended GN list	4	
Total LCCC Credits		61-62	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 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**

Lehigh Carbon Community College				Penn State University, University College			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION	
<i>RECOMMENDED General Education Arts elective courses</i>				<i>Recommend taking two General Education Arts (GA) courses</i>			
ART 101	Introduction to Art	3	ART H 100	Introduction to Art (IL)	3	Direct	
CMN 125	Introduction to Theatre Arts	3	THEA GEN	Introduction to Theatre Arts	3	Substitution	
MUS 101	Introduction to Music	3	MUSIC 005	An Introduction to Western Music	3	Direct	
ENG 220	Introduction to Drama	3	THEA 100	The Art of the Theatre (US)(IL)	3	Direct	
<i>RECOMMENDED General Education Humanities elective courses</i>				<i>Recommend taking two General Education Humanities (GH) courses</i>			
HIS 123	United States to Reconstruction	3	HIST 020	American Civilization to 1877 (US)	3	Direct	
HIS 124	United States Since Reconstruction	3	HIST 021	American Civilization Since 1977 (US)	3	Direct	
HIS 130	Western Civilization I	3	HIST 001	Western Heritage I (IL)	3	Direct	
HIS 131	Western Civilization II	3	HIST 002	Western Heritage II (IL)	3	Direct	
HIS 224	World War II	3	HIST 144	The World at War: 1939-1945 (US)(IL)	3	Direct	
PHI 201	Introduction to Philosophy	3	PHIL 001	Basic Problems of Philosophy	3	Direct	
PHI 205	Introduction to Ethics	3	PHIL 003	Persons, Moral Values, and the Good Life	3	Direct	
REL 201	Comparative Religion	3	RL ST 101	Introduction to World Religions (US)(IL)	3	Direct	
<i>RECOMMENDED General Education Mathematics elective courses</i>				<i>Recommend taking MAT 150 and one other General Education Quantification (GQ) courses</i>			
MAT 125	Fundamentals of Mathematics I	3	MATH 200	Problem Solving in Mathematics	3	Direct	
MAT 150	Introduction to Probability and Statistics (required)	3	STAT 100	Elementary Statistics	3	Direct	
MAT 160	College Algebra	3	MATH 021	College Algebra I	3	Direct	
MAT 165	College Trigonometry	3	MATH 026	Plane Trigonometry	3	Direct	
<i>RECOMMENDED General Education Science elective courses</i>				<i>Recommend taking three General Education Natural Science (GN) courses</i>			
AST 201	Introduction to Astronomy	3	ASTRO 001	Astronomical Universe	3	Direct	

BIO 115	Field Biology		BIOL GEN	Field Biology		3	Substitution
BIO 116	Topics in Botany	3	BI SC 003	Environmental Biology		3	Direct
BIO 120	Biology of Aging	3	BIOL GEN	Biology of Aging		3	Substitution
BIO 130	Cataclysm: The Science of Natural Disasters	3	BIOL GEN	Cataclysm: The Science of Natural Disasters		3	Substitution
BIO 220	Introduction to Microbiology	4	MICRB 106 MICRB 107	Elementary Microbiology Elementary Microbiology Laboratory		3 1	Direct
CHE 105	Fundamentals of Chemistry	4	CHEM 110	Chemical Principles I		3	Substitution
CHE 111	General Chemistry I	4	CHEM 110 CHEM 111	Chemical Principles I Experimental Chemistry I		3 1	Direct
CHE 112	General Chemistry II	4	CHEM 112 CHEM 113	Chemical Principles II Experimental Chemistry II		3 1	Substitution
PHY 210	General Physics I	5	PHYS 211	General Physics: Mechanics		4	Direct
PHY 215	General Physics II	5	PHYS 212	General Physics: Electricity & Magnetism		5	Direct
<b>RECOMMENDED General Education Social Science elective courses</b>							
<i>Recommend taking two General Education Social and Behavioral Sciences (GS) courses</i>							
ECO 201	Principles of Macroeconomics	3	ECON 104	Introductory Macroeconomic Analysis and Policy		3	Direct
ECO 202	Principles of Microeconomics	3	ECON 102	Introductory Microeconomic Analysis and Policy		3	Direct
GEO 110	Cultural Geography	3	GEOG 124	Elements of Cultural Geography (IL)		3	Direct
GEO 115	World Regional Geography	3	GEOG 040	World Regional Geography (IL)		3	Direct
IDS 154 or SOC 154	Introduction to Women's Studies	3	WMNST 100	Introduction to Women's Studies (US)(IL)		3	Direct
PSC 130	Introduction to Political Science	3	PL SC 003	Introduction to Comparative Politics (IL)		3	Direct
PSC 230 (141)	American Federal Government	3	PL SC 001	Introduction to American National Government		3	Direct
PSC 237	International Relations	3	PL SC 014	International Relations (IL)		3	Direct
PSY 140	Introduction to Psychology	3	PSYCH 100	Introductory Psychology		3	Direct
PSY 145	Human Growth & Development – The Life Span	3	HD FS 129	Introduction to Human Development & Family Studies		3	Direct
PSY 242	Child Development	3	HD FS 229	Infant and Child Development		3	Direct

SOC 150	Introduction to Sociology	3	SOC 001	Introductory Sociology	3	Direct
SOC 151	Modern Social Problems	3	SOC 005	Social Problems	3	Direct
SOC 250	Criminology	3	SOC 012/ CRIMJ 012/ CRIM 012	Criminology	3	Direct
SOC 251	The Family	3	SOC 030	Sociology of the Family	3	Direct
SOC 258	Cultural Anthropology	3	ANTH 045	Cultural Anthropology (USY/IL)	3	Direct
SOC 283	Introduction to Social Psychology	3	SOC 003	Introductory Social Psychology	3	Direct