CECIL COLLEGE
and
THE UNIVERSITY OF DELAWARE

PROGRAM ARTICULATION AGREEMENT

Associate of Science Degree
Civil Engineering Option
Cecil College

Bachelor of
Civil Engineering Degree
University of Delaware

Fall 2017 through Spring 2020

ASSOCIATE OF SCIENCE – BACHELOR OF CIVIL ENGINEERING PROGRAM ARTICULATION AGREEMENT

Between

Cecil College and
The University of Delaware

For

Associate of Science - Civil Engineering Option/
Bachelor of Civil Engineering

AGREEMENT

WHEREAS Cecil College, and the University of Delaware are committed to expanding educational opportunities for the citizens of the State of Maryland and beyond, and

WHEREAS the two institutions are committed to providing a smooth transition for students wishing to earn a dual degree: Associate of Science – Civil Engineering Option/Bachelor of Civil Engineering, and

WHEREAS the intent of the two institutions is to avoid duplication of curricula where appropriate within articulated programs of studies, and

WHEREAS the two institutions better serve the educational growth of students and the economic development of the regional community through cooperative educational planning and optimal utilization of community resources,

BE IT HEREWITH RESOLVED that this agreement commits the partners to full support of an articulation process between similar academic programs offered by the two institutions.

PROVISIONS OF THE AGREEMENT

1. This program articulation agreement applies to Cecil College (Associate of Science Civil Engineering Option Program) and the University of Delaware (Bachelor of Civil Engineering degree).

2. The institutions agree to follow the joint program curriculum and course by course articulation delineated in this document.

3. Both educational institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.

4. Graduates of the Cecil College program who have completed the Associate degree with a cumulative grade point average of 3.0 or higher will automatically be accepted into the Bachelor of Civil Engineering program at the University of Delaware. Those with a cumulative grade point average less than 3.00 but greater than or equal to 2.50 will be considered for admission on a space available basis. Cecil College will provide confirmation of degree completion upon students' final semester of coursework. Students who do not complete the degree program as outlined in the agreement may have admission based on the articulation agreement criteria rescinded, however may still be considered for regular transfer admission based on the totality of their academic record. UD reserves the right to recalculate the Cecil cumulative grade point average to account for Cecil's Waiver of Prior Failing Grades policy when making admission decisions.

5. All articulated course credits earned with a C or better will be accepted for transfer according to the program matrix. Students are expected to complete all courses outlined in the Cecil College portion of the agreement at Cecil College. Students who have attended a college or university other than Cecil College and transferred credits to Cecil College in pursuit of the associate degree program may not be admissible via the provisions of this articulation agreement. In such cases, students will be considered based on their entire academic history and not guaranteed admission to the bachelor's degree program or the course equivalencies detailed within the provisions of this agreement. Coursework taken at an institution other than Cecil College may not transfer to UD as noted in the agreement. It is expected that students will compete all coursework in the UD portion of the agreement at UD. Students who previously attended UD are not eligible for admission via an articulation agreement and instead should apply for readmission consideration if wishing to re-enroll at UD.

6. Students intending to transfer should complete the admission application for the University of Delaware by the start of their final semester of their Associate degree program at Cecil College or upon earning 45 credits. Students should note on their application that they are applying as part of an articulation agreement/connected degree.

7. Students are subject to all the policies and procedures of both institutions.

ASSOCIATE OF SCIENCE/BACHELOR OF CIVIL ENGINEERING CONNECTED CURRICULUM

(use as many forms as needed)

Institutions:	Cecil College	and	University of Delaware
Programs:	Associate of Science - Civil Engineering Option	and	Bachelor of Civil Engineering

CECIL COLLEGE		EQUIVALENCY APPROVAL SIGNATURE		UNIVERSITY OF DELAWARE	
Course	CR	CC	U OF D	Course	CR
CHM 104/114 General Chemistry II with Lab	4			**CHEM 104** General Chemistry (UD subs for **EGGG 101** Introduction to Engineering)	4
CHM 103/113 General Chemistry I with Lab	4			**CHEM 103** General Chemistry	4
MAT 201 Calculus I with Analytic Geometry	4			**MATH 241** Analytic Geometry & Calculus A	4
EGL 101 Freshman Composition **(see note on p.9)**	3			**ENGL 110 Seminar in Composition or ENGL 110 Exemption with ENGL 166T credit**	3
CSC 205 Computer Science I	3			**CISC 106** General Computer Science for Engineers (student must sign MATLAB waiver)	3
PHE 101 Introduction to Engineering Design	3			**CIEG 161** Freshman Design	3
PHY 218 General Physics II with Lab* **(see note on p.9)**	4			**PHYS 208** Fundamentals of Physics II (UD counts for Science Elective)	4
MAT 202 Calculus II with Analytic Geometry	4			**MATH 242** Analytic Geometry & Calculus B	4
EGL 102 Composition and Literature	3			**ENGL 280** Approaches to Literature **(Creative Arts and Humanities Breadth Requirement)**	3
PHE 211 Statics	3			**CIEG 211** Statics	3
MAT 203 Multivariable Calculus	4			**MATH 243** Analytic Geometry & Calculus C	4
Credit Subtotal	**39**			**Transfer Credit Subtotal**	**39**

BACHELOR OF CIVIL ENGINEERING DEGREE COMPLETION CURRICULUM

Institutions: Cecil College and University of Delaware

Programs: Associate of Science - Civil Engineering Option and Bachelor of Civil Engineering

General Education			Professional Education		
Course	Title	Cr	Course	Title	Cr
List course number	List complete course title	List course credits	List course number	List complete course title	List course credits
	Breadth Requirement 4*	3	**CIEG 213**	Civil Engineering Materials Lab	1
	Breadth Requirement 5*	3	**MSEG 302**	Materials Science for Engineers	3
			CIEG 301	Structural Analysis	4
	*If Cecil College Social Science courses transfer in as equivalent lower level University Breadth courses, then one UD Breadth course must be at the Upper Level and one must satisfy the Multicultural Requirement.		**CIEG 320**	Soil Mechanics	3
			CIEG 323	Soil Mechanics Laboratory	1
			CIEG 305	Fluid Mechanics	3
			MATH 353	Engineering Mathematics III	3
			ENGL 410	Technical Writing (counts as UD breadth)	3
			CIEG 302	Structural Design	4
			CIEG 321	Geotechnical Engineering	3
			CEIG 331	Environmental Engineering	3
			CIEG 351	Transportation Engineering	3
			CIEG 306	Fluid Mechanics Laboratory	1
	Credit Subtotal (page)	6		**Credit Subtotal (page)**	35

BACHELOR OF CIVIL ENGINEERING DEGREE COMPLETION CURRICULUM

Institutions: Cecil College and University of Delaware

Programs: Associate of Science - Civil Engineering Option and Bachelor of Civil Engineering

General Education			Professional Education		
Course	Title	Cr	Course	Title	Cr
List course number	List complete course title	List course credits	List course number	List complete course title	List course credits
			CIEG 315	Probability and Statistics for Engineers	3
			CIEG 461	Senior Design Project (DLE)	4
			CIEG 486	Engineering Project Management	3
			CIEG 440	Water Resources Engineering	3
			CIEG 451	Transportation Engineering Lab	1
				Technical Elective 2	3
				Technical Elective 3	3
				Technical Elective 4	3
	Credit Subtotal (page)	**0**		**Credit Subtotal (page)**	**23**
	Total General Education Completion Credits	**6**		**Total Professional Education Completion Credits**	**58**

CONNECTED DEGREE CURRICULUM
UD Suggested Course Sequence

Associate of Science Degree Program: Civil Engineering Option
Bachelor Degree Program: Civil Engineering

CECIL COLLEGE	CR	UNIVERSITY OF DELAWARE	CR
FIRST SEMESTER (fall)		**FIFTH SEMESTER (fall)**	
List all courses by number and complete title and credits in appropriate semesters		CIEG 301 Structural Analysis	4
		CIEG 320 Soil Mechanics	3
MAT 201 Calculus I w/ Analytic Geometry	4	CIEG 323 Soil Mechanics Lab	1
PHY 217 General Physics I w/ Lab	4	CIEG 305 Fluid Mechanics	3
EGL 101 Freshmen Composition	3	CIEG 306 Fluid Mechanics Lab	1
PHE 101 Intro to Engineering Design	3	MATH 353 Engineering Mathematics III	3
SPH 141 Public Speaking	3		
SECOND SEMESTER (spring)		**SIXTH SEMESTER (spring)**	
MAT 202 Calculus II w/ Analytic Geometry	4	CIEG 302 Structural Design	4
PHY 218 General Physics II w/ Lab*	4	CIEG 321 Geotechnical Engineering	3
PHE 211 Statics	3	CIEG 331 Environmental Engineering	3
CHM 103/113 General Chemistry I w/ Lab	4	CIEG 351 Transportation Engineering	3
SS Elective	3	CIEG 451 Transportation Engineering Lab	1
		CIEG 213 CIEG Materials Lab	1
THIRD SEMESTER (fall)			
MAT 203 Multivariable Calculus	4	**SEVENTH SEMESTER (fall)**	
PHE 213 Mechanics of Materials	3	CIEG 461 Senior Design (DLE)	2
PHE 221 Thermodynamics	3	CIEG 486 Engineering Project Management	3
EGL 102 Composition and Literature	3	CIEG 440 Water Resources Engineering	3
SS Elective	3	ENGL 410 Technical Writing	3
		Breadth Requirement 4	3
FOURTH SEMESTER (spring)		Breadth Requirement 5	3
MAT 246 Intro to Differential Equations	3		
MAT 240 Intro to Linear Algebra	4	**EIGHTH SEMESTER (spring)**	
PHE 212 Dynamics	3	CIEG 461 Senior Design (DLE)	2
CHM 104/114 General Chemistry II w/ Lab	4	Technical Elective 2	3
CSC 205 Computer Science I	3	Technical Elective 3	3
		Technical Elective 4	3
		CIEG 315 Probability and Statistics for Engineers	3
		MSEG 302 Materials Science for Engineers	3
Credit Total	58		
Notes:			
*Beginning Summer 2018, PHY 218 will no longer be accepted to satisfy the UD Natural Science elective in the Bachelor of Civil Engineering. Students may choose from BIO 130/131, BIO 312/133, or PSC 120 for this requirement. **Updated 4/3/2018**		**Credit Total**	64
*Please see Program Articulation Agreement Addendum regarding how UD ENGL 110 credit will be awarded. **Updated 7/3/2018**			

APPROVAL

This program articulation agreement is between Cecil College (Associate of Science - Civil Engineering Option Program) and the University of Delaware (Bachelor of Civil Engineering degree).

Approval is granted for a three-year term from Fall 2017 through Spring 2020 according to the terms of this agreement by:

_____ _____

Dr. Mary Way Bolt, President
Cecil College

Date

_____ _____

Dr. Dennis Assanis, President
University of Delaware

Date

_____ _____

Dr. Christy Dryer, Vice President of Academic Programs
Cecil College

Date

_____ _____

Dr. Veronica Dougherty, Acting Dean of Arts and Sciences
Cecil College

Date

_____ _____

Dr. Babatunde Ogunnaike, Dean
College of Engineering
University of Delaware

Date

_____ _____

Mr. Anand Patel, Director of Engineering
Cecil College

Date

_____ _____

Dr. Sue McNeil, Chair
Department of Civil & Environmental Engineering
University of Delaware

Date

APPROVAL

This program articulation agreement is between Cecil College (Associate of Science - Civil Engineering Option Program) and the University of Delaware (Bachelor of Civil Engineering degree).

Approval is granted for a three-year term from Fall 2017 through Spring 2020 according to the terms of this agreement by:

Dr. Mary Way Bolt, President
Cecil College — Date: 1/25/18

Dr. Dennis Assanis, President
University of Delaware — Date: 8/16/2018

Dr. Christy Dryer, Vice President of Academic Programs
Cecil College — Date: 1/22/2018

Dr. Veronica Dougherty, Acting Dean of Arts and Sciences
Cecil College — Date: 1/23/18

Dr. Babatunde Ogunnaike, Dean
College of Engineering
University of Delaware — Date: 1/03/17

Dr. Sue McNeil, Chair
Department of Civil & Environmental Engineering
University of Delaware — Date:

CECIL COLLEGE
and
UNIVERSITY OF DELAWARE

PROGRAM ARTICULATION AGREEMENT
ADDENDUM
4/3/2018

Associate of Science Degree
Civil Engineering Option

Bachelor of Civil Engineering Degree

Section 1: Indicate changes to be made to the agreement
Due to expected changes in the requirements for the Civil Engineering Degree for the 2018-2019 academic year, this program articulation agreement will be modified as follows:

- PHY 218 (UD equivalent PHYS 208) will no longer satisfy the Natural Science Elective.
- UD will accept Cecil College's BIO 130/131, BIO 132/133 or PSC 120 for the Natural Science Elective in lieu of PHY 208.

Section 2: Note how students currently in the pipeline will be affected/considered
For students who are currently enrolled in the articulated program, the following will apply:

- We will accept Cecil College's PHY 218 for any student in the articulated program who has taken this course in Fall 2017 or Spring 2018.

Section 3: Note terms for students enrolled/enrolling going forward
Beginning Summer 2018, all students enrolled in the articulated program, or those students who enroll in the program in a future term while this agreement is in effect, must enroll in one of the acceptable courses listed above.

These changes are effective on the date both parties have signed this addendum.

Veronica Dougherty, PhD

Dr. Veronica Dougherty
Acting Dean of Arts and Sciences
Cecil College

May 25, 2018
Date

Dr. Sue McNeil
Chairperson, Civil and Environmental Engineering
University of Delaware

May 26 | 2018
Date

CECIL COLLEGE
and
UNIVERSITY OF DELAWARE

PROGRAM ARTICULATION AGREEMENT ADDENDUM 7/3/2018

Associate of Science Degree
Civil Engineering Option

Bachelor of Civil Engineering Degree

Section 1: Indicate changes to be made to the agreement
Beginning with students admitted in Fall 2019, the University of Delaware will no longer automatically award ENGL 110 transfer credit for successful completion of EGL 101 but, instead, will award transfer elective credit (ENGL 166T). Students who have completed EGL 101 on Cecil College's campus with a college instructor (not via a high school dual enrollment program) will be eligible to apply for an exemption for ENGL 110, a required course for all UD degrees.

Section 2: Note how students currently in the pipeline will be affected/considered
For students who are currently enrolled in the articulated program, the following will apply:

- Students who have completed EGL 101 on Cecil College's campus with a college instructor (not via a high school dual enrollment program) and who are admitted to the University of Delaware in Fall 2018 and Spring 2019 will be awarded ENGL 110 credit.

Section 3: Note terms for students enrolled/enrolling going forward
Beginning Fall 2019, all students enrolled in the articulated program, or those students who enroll in the program in a future term while this agreement is in effect, who successfully transfer EGL 101 to the University of Delaware will be awarded ENGL 166T – Transfer elective and must submit a request to the English Department for an exemption from ENGL 110 – Seminar in Composition. Those students who have completed EGL 101 on Cecil College's campus with a college instructor (not via a high school dual enrollment program) will be approved for the exemption.

These changes are effective on the date both parties have signed this addendum.

Veronica Dougherty

Dr. Veronica Dougherty
Dean of Sciences, Technology, Engineering and Math
Cecil College

7/10/18
Date

Sue McNeil

Dr. Sue McNeil
Chairperson, Civil and Environmental Engineering
University of Delaware

7/26/18
Date