



## **Cecil College and University of Delaware**

### **A.S. Civil Engineering to B.S. Civil Engineering**

#### **Program Information**

- 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 below 3.0 but greater than or equal to 2.5 will be considered for admission on a space available basis
- All articulated course credits earned with a C or better will be accepted for transfer according to the program matrix below
- 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 complete 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
- Students intending to transfer should complete the UD admissions application by the start of their final semester of their Associate degree program or upon earning 45 credits. Students should note on their application that they are applying as part of an articulation agreement/connected degree
- Students are subject to all the policies and procedures of both institutions

### Transfer Sheet for Coursework taken at Cecil College

Associate Degree Program Civil Engineering	CR	Bachelor's Degree Course Match Civil Engineering	CR
<b>Semester 1 (fall)</b>			
MAT 201 Calculus I w/Analytic Geometry	4	MATH 241 Analytic Geometry and Calculus A	4
PHY 217 General Physics I w/Lab	4	PHYS 207 Fundamentals of Physics I	4
EGL 101 College Composition	3	ENGL 110 Seminar in Composition or ENGL 110 Exemption with ENGL 166T credit	3
PHE 101 Intro to Engineering Design	3	CIEG 161 Freshman Design	3
SPH 141 Public Speaking	3	COMM 350 Public Speaking (UD subs for COMM 212 Oral Communication in Business)	3
<b>Semester 2 (spring)</b>			
MAT 202 Calculus II w/Analytic Geometry	4	MATH 242 Analytic Geometry and Calculus B	4
PHY 218 General Physics II w/Lab*	4	PHYS 208 Fundamentals of Physics II (UD counts for Science Elective)	4
PHE 211 Statics	3	CIEG 211 Statics	3
CHM 103/113 General Chemistry I w/Lab	4	CHM 103 General Chemistry	4
Social Science Elective (SOC 101, SOC 102, POS 201, PSY 101, PSY 201)	3	University Breadth Requirement	3
<b>Semester 3 (fall)</b>			
MAT 203 Multivariable Calculus	4	MATH 243 Analytic Geometry and Calculus C	4
PHE 213 Mechanics of Materials	3	CIEG 212 Solid Mechanics	3
PHE 221 Thermodynamics	3	MEEG 341 Thermodynamics (UD counts as Technical Elective I)	3
EGL 102 Composition & Literature	3	ENGL 280 Approaches to Literature (Creative Arts and Humanities Breadth Requirement)	3
Social Science Elective (SOC 101, SOC 102, POS 201, PSY 101, PSY 201)	3	University Breadth Requirement	3
<b>Semester 4 (spring)</b>			
MAT 246 Intro to Differential Equations	3	MATH 302 Ordinary Differential Equations + MATH 349 Elementary Linear Algebra + MATH 366T (UD subs MAT 302 + MAT 349 for MATH 351 Engineering Math I)	7
MAT 240 Intro to Linear Algebra	4		
PHE 212 Dynamics	3	CIEG 311 Dynamics	3
CHM 104/114 General Chemistry II w/Lab	4	CHEM 104 General Chemistry (UD subs for EGGG 101 Intro to Engineering)	4
CSC 205 Computer Science I	3	CISC 106 General Computer Science for Engineers (students must sign a MATLAB waiver)	3
<b>Total</b>	<b>68</b>		<b>68</b>
<b>Notes:</b>			
*Beginning summer 2018, PHY 218 will no longer be accepted to satisfy the US Natural Science elective in the Bachelor of Civil Engineering. Students may choose from BIO 130/131, BIO132/133 or PSC 120 for his requirement			

## Remaining Coursework at University of Delaware

<b>Semester 5 (fall)</b>			
<b>Department</b>	<b>Number</b>	<b>Title</b>	<b>Credits</b>
CIEG	301	Structural Analysis	4
CIEG	320	Soil Mechanics	3
CIEG	323	Soil Mechanics Lab	1
CIEG	305	Fluid Mechanics	3
CIEG	306	Fluid Mechanics Lab	1
MATH	353	Engineering Mathematics III	3
<b>Semester 6 (spring)</b>			
CIEG	302	Structural Design	4
CIEG	321	Geotechnical Engineering	3
CIEG	331	Environmental Engineering	3
CIEG	351	Transportation Engineering	3
CIEG	451	Transportation Engineering Lab	1
CIEG	213	CIEG Materials Lab	1
<b>Semester 7 (fall)</b>			
CIEG	461	Senior Design (DLE)	2
CIEG	486	Engineering Project Management	3
CIEG	440	Water Resources Engineering	3
ENGL	410	Technical Writing	3
XXXX	XXX	Breadth Requirement 4	3
XXXX	XXX	Breadth Requirement 5	3
<b>Semester 8 (spring)</b>			
CIEG	461	Senior Design (DLE)	2
XXXX	XXX	Technical Elective 2	3
XXXX	XXX	Technical Elective 3	3
XXXX	XXX	Technical Elective 4	3
CIEG	315	Probability and Statistics for Engineers	3
MSEG	302	Materials Science for Engineers	3
<b>Total Credits: 64</b>			