

**Tidewater Community College/Old Dominion University**

2017-2018 Catalog

**ARTICULATION AGREEMENT**

Associate of Applied Science, Civil Engineering Technology with Transfer General Education Courses to  
Bachelor of Science in Engineering Technology (Civil Engineering Technology Concentration)

Tidewater Community College AAS in Civil Engineering Technology				Old Dominion University Equivalency			
CIV	110	Intro to Civil Engineering Technology*	2	ENGN	ELE	(Substitute for ENGN 110)	2
CIV	115	Civil Engineering Drafting*	3	ENGN	ELE	(Substitute for ENGT 111)	3
CIV	174	Geomatics*	3	CET	205	Principles of Surveying	3
CIV	175	Geomatics Laboratory*	1				
CIV	200	Fundamentals of Building Construction*	3	CET	210	Fund. of Building Construction	3
CIV	225	Soil Mechanics*	3	ENGN	2ELE	(Sub. for CET 340-Soils and Found.)	3
CIV	226	Soil Mechanics Laboratory*	1	ENGN	2ELE	(Sub. for CET 341 -Soils Test. Lab)	1
CIV	230	Civil Construction Materials	3	ENGN	ELE	Elective	3
CIV	239	Fluid Mechanics and Hydraulics Lab*	1	ENGN	ELE	(Sub. for MET 335W Fluid Mech. Lab)	1
CIV	240	Fluid Mechanics and Hydraulics*	3	ENGN	2ELE	(Sub. for CET 330- Fluid Mechanics)	3
MEC	131	Mechanics I – Statics for Engineering Technology*	3	CET	200	Statics	3
MEC	132	Mechanics II – Strength of Materials for Engineering Technology*	3	CET	220	Strength of Materials	3
MEC	135	Mechanics Laboratory*	1	ENGN	ELE	(Sub. for CET 345W-Materials Lab)	1
----	ELE	<b>Approved Technical Elective</b> (CHM 111 College Chemistry I)*	4	CHEM	121N/ 122N	Foundations of Chemistry I	4
----	ELE	<b>Approved Technical Elective</b> (MTH 173 Calculus)*	5	MATH	211	Calculus I	5
----	ELE	<b>Approved Technical Elective</b> (PHY 201 College Physics I)*	4	PHYS	111N	Introductory General Physics I	4
----	ELE	<b>Approved Technical Elective</b> (PHY 202 College Physics II)*	4	PHYS	112N	Introductory General Physics II	4
----	ELE	<b>Approved Technical Elective</b> (CAD 201)*	3	CET	120	Civil 2D Comp. Aided Drafting	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MTH	163	Pre-Calculus I*	3	MATH	162M	Precalculus I	3
MTH	164	Pre-Calculus II*	3	MATH	163	Precalculus II	3
SDV	101	Orientation to Engin. and Technologies	1	UNIV	100	University Orientation	1
Humanities Electives		ENG 125, 241, 242, 243, 251, 252, or 253, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122	3	Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity			3
Social Science Elective		ECO 201, 202, GEO 210, PLS 211, 212, 241, PSY 200, 201, 230, 231, 232, 235, SOC 200, 201, 202, or 211	3	HB	1REQ	Human Behavior Way of Knowing	3
Social Science Elective		HIS 101, 102, 111, 112, 121 or 122	3	INTP	1REQ	Inter. the Past Way of Knowing	3
<b>Total Credits for AAS Degree</b>			<b>69</b>	<b>Transfer Credits from AAS Degree</b>			<b>68</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
Social Science or Humanities Electives		ENG 125, 241, 242, 243, 251, 252, or 253, HIS 101, 102, 111, 112,121, or 122, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122, or Foreign Lang. Level I or II	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
CST	100	Principles of Public Speaking or CST 110*	3	COMM	101R	Public Speaking	3
<b>Additional Credits Required</b>			<b>9</b>				<b>9</b>

<p><b>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</b></p> <p><b>*Student must earn C or better for course to transfer.</b></p> <p><b>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:</b>  <a href="https://www.odu.edu/newtransfer/letter-of-intent">https://www.odu.edu/newtransfer/letter-of-intent</a></p> <p><b>Completion of this articulation agreement alone does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions and the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</b></p>	<b>Requirements for BS to be Completed at ODU</b>			
	CET	301	Structural Analysis	3
	CET	355	Sustainable Building Practices	3
	CET	360	Plans and Specifications	3
	ENGT	434	Intro to Senior Project	1
	CET	440	Contract Documents	3
	EET	305	Advanced Technical Analysis	3
	ENMA	302	Engineering Economics	3
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	ENGN	401	Fundamentals of Engineering Review	1
	CET 410 or 450		Reinforced Concrete Design or Structural Steel Design	3
	ENGT	435W	Senior Design Project (grade of C or better required)	3
	CET	ELE	Electives	15
Upper Division		General Education (one or more additional courses will be required to complete a minor)***	6	
<b>Credits to be Taken at ODU</b>			<b>50</b>	
<b>Transfer Credits from AAS Degree</b>				<b>68</b>
<b>Additional Credits Required</b>				<b>9</b>
<b>Credits to be Taken at ODU</b>				<b>50</b>
<b>Total Credits</b>				<b>127</b>
<b>SUMMARY</b>				

\*\*\*Students are encouraged to complete a minor in Engineering Management, Business Management, Environmental Health and Safety or Mechanical Engineering Technology.

**This agreement is effective upon its approval on February 18, 2018 by TCC's Vice President for Academic Affairs and ODU's Vice Provost, Academic Affairs:**

Dr. Kellie Sorey, TCC  
Dr. Brian Payne, ODU