

**Tidewater Community College/Old Dominion University**

2016-2017 Catalog

**ARTICULATION AGREEMENT**

Associate of Applied Science, Computer-Aided Drafting and Design Technology

Specialization: Architectural Drafting and Design Technology

With Transfer General Education Courses to

Bachelor of Science in Engineering Technology (Civil Engineering Technology Concentration)

<b>Tidewater Community College AAS in Computer-Aided Drafting and Design Technology Specialization: Architectural Drafting and Design Tech.</b>				<b>Old Dominion University Equivalency</b>			
ARC	100	Introduction to Architecture*	3	STEM	1ELE	Elective**	3
CAD	151	Engineering Drawing Fundamentals I*	3	STEM	1ELE	Elective**	3
CAD	201	Computer Aided Drafting and Design I*	4	CET	120	Civil 2D Computerized Aided Drafting	4
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MTH	163	Precalculus I*	3	MATH	162M	Precalculus I	3
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
ARC	121	Architectural Drafting I*	3	STEM	1ELE	Elective**	3
ARC	133	Construction Methodology and Procedures I*	3	STEM	1ELE	Elective**	3
CAD	202	Computer Aided Drafting and Design II*	4	ENGN	ELE	Elective (Substitute for ENGN 110)	4
MTH	164	Precalculus II*	3	MATH	163	Precalculus II	3
Approved Technical Elective		ARC 246-Materials and Methods of Construction*	4	CET	210	Fundamentals of Building Construction	4
HLT/PED ELE		Approved HLT/PED Elective	2	HLTH/PE ELE		Elective	2
ARC	122	Architectural Drafting II	3	STEM	1ELE	Elective (Substitute for ENGT 111)	3
ARC	221	Architectural CAD Applications Software I*	3	STEM	2ELE	Elective**	3
MEC	131	*Mechanics I – Statics for Engineering Tech	3	CET	200	Statics	3
PHY	201	*General College Physics I	4	PHYS	111N	Introductory General Physics I	4
Social Science	ELE	ECO 201, 202, GEO 210, PLS 211, 212, 241, PSY 200, 201, 202, 230, 231, 232, 235, SOC 200, 201, 202, 211 or 212*	3	HB	1REQ	Human Behavior Way of Knowing	3
Social Science	ELE	HIS 101, 102, 111, 112, 121 or 122*	3	INTP	1REQ	Interpreting the Past Way of Knowing	3
CAD	280	Design Capstone Project*	3	GNRL	2ELE	Elective**	3
MEC	132	Mechanics II Strength of Materials	3	CET	220	Strength of Materials	3
PHY	202	General College Physics II	4	PHYS	112N	Introductory General Physics II	4
HUM	ELE	ENG 125, 241, 242, 243, 244, 251, 252 or 253*	3	LIT	1REQ	Literature Way of Knowing	3
<b>Total Credits in AAS degree</b>			<b>68</b>	<b>Transfer Credits from AAS Degree</b>			<b>68</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
CST	100	Principles of Public Speaking* or CST 110*	3	COMM	101R	Public Speaking	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
HUM	ELE	ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122*	3	HC	1REQ	Human Creativity Way of Knowing	3
CHM	111	College Chemistry I*	4	CHEM 121N/ 122N		Foundations of Chemistry I	4
MTH	173	Calculus with Analytic Geometry I*	5	MATH	211	Calculus I	5
<b>Additional Credits Required</b>			<b>18</b>				<b>18</b>

<p>The lower division general education Language and Culture and Impact of Technology requirements will be satisfied by completion of all courses outlined in this program agreement.</p> <p>Information Literacy and Research and Philosophy and Ethics are met through the major.</p> <p>*Student must earn C or better for course to transfer.</p> <p>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:  <a href="https://www.odu.edu/newtransfer/letter-of-intent">https://www.odu.edu/newtransfer/letter-of-intent</a></p> <p>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 <a href="https://admissions.odu.edu">admissions.odu.edu</a> for more information regarding guaranteed admission to Old Dominion University.</p> <p>**ARC 100, CAD 151, ARC 121, ARC 133, ARC 221, and CAD 280 will be used to fulfill 2 of the 5 CET Electives required.</p>	Requirements for BS to be Completed at ODU			
	CET	301	Structural Analysis	3
	CET	330	Fluid Mechanics	3
	CET	340	Soils and Foundations	3
	CET	341W	Soils Testing Lab (grade of C or better required)	2
	CET	345W	Materials Testing Lab (grade of C or better required)	2
	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
	MET	335W	Fluid Mechanics Lab (grade of C or better required)	1
	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**	9
Upper Division		General Education (one or more additional courses will be required to complete a minor)***	6	
<b>Total Credits to be Taken at ODU</b>			<b>55</b>	
<b>SUMMARY</b>				
<b>Transfer Credits from AAS Degree</b>			<b>68</b>	
<b>Additional Credits Required</b>			<b>18</b>	
<b>Credits to be Taken at ODU</b>			<b>55</b>	
<b>Total Credits</b>			<b>141</b>	

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

Signature

Date

Dr. Kellie C. Sorey  
Associate Vice President for Academics  
Tidewater Community College

Signature

Date

Dr. Brian Payne  
Vice Provost, Academic Affairs  
Old Dominion University