

**Tidewater Community College/Old Dominion University**

2013-2014 Catalog

**ARTICULATION AGREEMENT**

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

Specialization: Architectural Drafting and Design Technology

With Transfer General Education Package to

Bachelor of Science in Civil Engineering Technology

<b>TCC</b> <b>A.A.S. in Computer-Aided Drafting and Design Technology</b> <b>Specialization: Architectural Drafting and Design Technology</b>				<b>ODU</b> <b>B.S. degree program in</b> <b>Civil Engineering Technology</b>			
<b>Major</b>				<b>Major</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 computer aided drafting	4
ENG	111	College Composition I	3	ENGL	110C	English Composition	3
MTH	163	*Precalculus I	3	MATH	162M	Pre-Calculus 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	(Substitute for ENGN 110)	4
MTH	164	*Precalculus II	3	MATH	163	Pre-Calculus II	3
---	ELE	Students complete *CIV 225 Soil Mechanics and *CIV 226 Soil Mechanics Lab	4	ENGN	ELE	ENGN 2ELE	4
HLT/ PED	ELE	Approved HLT/PED Elective	2	HLTH/ PE	ELE	Health or PE Elective	2
ARC	122	Architectural Drafting II	3	STEM	1ELE	STEM Elective	3
ARC	221	Architectural CAD Applications Software I	3	STEM	2ELE	STEM Elective	3
MEC	131	*Mechanics I – Statics for Engineering Tech	3	CET	200	Statics	3
PHY	201	*General College Physics I	4	PHYS	111N	General College Physics I	4
Social Science	ELE	Select from the certificate in general education requirements (not HIS)	3	HB	1REQ	Human Behavior Way of Knowing I	3
Social Science	ELE	Select one course from: Choose one: 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	(Substitute for ENGT 111)	3
MEC	132	Mechanics II Strength of Materials	3	CET	220	Strength of Materials	3
PHY	202	General College Physics II	4	PHYS	112N	General College Physics II	4
HUM	ELE	Choose one: ENG 125, 241, 242, 243, 244, 251, 252 or 253	3	LIT	1REQ	Literature Way of Knowing	3
<b>Total in AAS degree</b>			<b>68</b>	<b>Total Transfer for ODU degree</b>			<b>68</b>
<b>Additional credits for Transfer General Education</b>				<b>General Education</b>			
CST	100	Principles of Public Speaking	3	COMM	101R	Public Speaking	3
ENG	112	College Composition II	3	ENGL	211C	English Composition	3
HUM	ELE	Choose one: ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122	3	HC	1REQ	Human Creativity Way of Knowing	3
<b>Total additional General Education for Certificate</b>			<b>9</b>	<b>Total additional General Education for Certificate</b>			<b>9</b>
<b>Additional courses that can be taken at TCC</b>				<b>Additional Requirements to Transfer to ODU</b>			
CHM	111	College Chemistry I	4	CHEM	121/ 122N	Foundations of Chemistry	4
MTH	173	Calculus with Analytic Geometry I	5	MATH	211	Calculus I	5
<b>Total Additional Credits</b>			<b>9</b>	<b>Total Additional Credits</b>			<b>9</b>
<b>Total credits earned at TCC</b>			<b>86</b>	<b>Total credits transferred to ODU</b>			<b>86</b>

<p><b>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.</b></p> <p><b>Information Literacy and Research and Philosophy and Ethics are met through the major.</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="http://uc.odu.edu/advising/transfer/letterofintent.shtml">http://uc.odu.edu/advising/transfer/letterofintent.shtml</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>Additional Old Dominion University Requirements</b>			
	CET	301	Structural Analysis	3
	CET	330	Fluid Mechanics for Civil Engineering Technology	3
	CET	340	Soils and Foundations	3
	CET	341W	Soils Testing Lab (grade of C or better required)	2
	CET	345W	Materials Testing Lab	2
	CET	355	Sustainable Building Practices	3
	CET	360	Plans and Specifications	3
	CET	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
	CET	475	Senior Design Project	3
	CET	ELE	Electives	15
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>61</b>	
<b>SUMMARY</b>				
<b>Total Transfer Credits from Community College</b>			<b>86</b>	
<b>Total Credits to be Taken at ODU</b>			<b>61</b>	
<b>Total Credits for Degree at ODU</b>			<b>147</b>	

All 100/200-level required math, science and engineering technology courses must be completed prior to enrollment in any 300-level engineering technology courses with a C or better.

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

Signature

Date

Dr. Daniel DeMarte  
Vice President for Academic Affairs & CAO  
Tidewater Community College

Signature

Date

Dr. Carol Simpson  
Provost & Vice President for Academic Affairs  
Old Dominion University