

**Tidewater Community College/Old Dominion University**

2014-2015 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 Engineering Technology (Mechanical 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. in Mechanical Engineering Technology</b>			
<b>Major</b>				<b>Major</b>			
ARC	100	Introduction to Architecture	3	STEM	1ELE	(Substitute for ENGN 110)	3
CAD	151	Engineering Drawing Fundamentals I	3	STEM	1ELE	Elective	3
CAD	201	*Computer Aided Drafting and Design I	4	MET	120	Computer 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	ENGN	ELE	Elective	3
CAD	202	Computer Aided Drafting and Design II	4	ENGN	ELE	(Substitute for ENGT 111)	4
MTH	164	*Precalculus II	3	MATH	163	Precalculus II	3
----	ELE	*Approved Technical Elective: CAD 241	3	MET	240	Computer Solid Modeling	3
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 Technology	3	CET	200	Statics	3
PHY	201	*General College Physics I	4	PHYS	111N	Introductory General Physics I	4
Social Science	ELE	Select from the certificate in general education requirements (not HIS)	3	HB	1REQ	Human Behavior Way of Knowing	3
Social Science	ELE	Choose one class from the following: HIS 101, 102, 111, 112, 121 or 122	3	INTP	1REQ	Interpreting the Past Way of Knowing	3
CAD	280	Design Capstone Project	3	STEM	2ELE	STEM 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 in AAS degree</b>			<b>67</b>	<b>Total Transfer for ODU degree</b>			<b>67</b>
<b>Additional credits for Transfer General Education Requirements</b>				<b>General Education</b>			
ENG	112	*College Composition II	3	ENGL	211C	English Composition	3
HUM	ELE	One from 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</b>			<b>6</b>	<b>Total additional General Education for ODU</b>			<b>6</b>
<b>Additional courses that can be completed at TCC</b>				<b>Additional courses</b>			
CHM	111	**College Chemistry I	4	CHEM	121/122N	Foundations of Chemistry	4
IND	115	**Materials and Processes of Industry	4	MET	200	Manufacturing Processes & Methods	4
MTH	173	**Calculus with Analytic Geometry I	5	MATH	211	Calculus I	5
CST	100	* Principles of Public Speaking	3	COMM	101R	Public Speaking	3
MEC	111	Materials for Industry	3	STEM	221	Industrial Materials	3
<b>Total Additional Credits</b>			<b>19</b>	<b>Total Additional Credits</b>			<b>19</b>
<b>Total credits earned at TCC</b>			<b>92</b>	<b>Total credits transferred to ODU</b>			<b>92</b>

				<b>Additional Requirements - ODU</b>			
<p><b>Note: 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>Philosophy and Ethics and Information Literacy and Research, and are satisfied in the major.</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 does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions or the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</b></p>				EET	305	Adv. Technical Analysis	3
				EET	350	Fund. of Electrical Tech.	3
				EET	355	Electrical Laboratory	1
				CET 345W Materials Testing Laboratory (2) OR MET 225 Materials Science Testing Laboratory (1)			1/2
				MET	300	Thermodynamics	3
				MET	310	Dynamics	3
				MET	320	Design of Machine Elements	3
				MET	330	Fluid Mechanics	3
				MET	335W	Fluid Mechanics Laboratory	1
				MET	350	Thermal Applications	3
				MET	370	Automation & Controls	3
				MET	386	Automation & Controls Laboratory	1
				MET	387	Power & Energy Laboratory	2
				MET	434	Intro to Senior Project	1
				MET	XXX	Senior Electives	12
				MET	435W	Senior Design Project	3
				ENGN	401	Fund. of Engineering Review	1
				ENMA	480	Ethics and Philosophy in Engineering Applications	3
				***Minor	XXX		12
				<b>Total Credits to be Taken at ODU</b>			<b>62/63</b>
<b>SUMMARY</b>							
<b>Total Transfer Credits from AAS</b>			<b>67</b>				
<b>Total Additional General Education Credits</b>			<b>6</b>				
<b>Additional Credits Taken at TCC</b>			<b>19</b>				
<b>Credits to be Taken at ODU</b>			<b>62/63</b>				
<b>Total Credits for B.S. Degree at ODU</b>			<b>154/155</b>				

\*Departmental requirement, student must earn a C or better at TCC to transfer and earn credit at ODU.

\*\*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.

\*\*\*The ODU B.S.M.E.T. degree requires students complete an approved engineering, engineering technology, math or science minor.

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Signature

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Date

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

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Signature

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Date

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