

**Tidewater Community College/Old Dominion University**

2015-2016 Catalog

**ARTICULATION AGREEMENT**

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

Specialization: Architectural Drafting and Design Technology

with General Education Courses to

Bachelor of Science in Engineering Technology (Mechanical Engineering Technology)

Tidewater Community College AAS in Computer-Aided Drafting and Design Technology Specialization: Architectural Drafting and Design Technology				Old Dominion University BS in Mechanical Engineering Technology			
ARC	100	Introduction to Architecture*	3	STEM	1ELE	Elective (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	Elective (Substitute for ENGT 111)	4
MTH	164	Precalculus II*	3	MATH	163	Precalculus II	3
Approved Technical Elective		CAD 241 – Parametric Solid Modeling I*	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	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	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 Required Courses</b>				<b>ODU Equivalency</b>			
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	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>25</b>	<b>Total Additional Credits</b>			<b>25</b>
<b>Total credits earned at TCC</b>			<b>92</b>	<b>Total credits transferred to ODU</b>			<b>92</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.**

**Philosophy and Ethics and Information Literacy and Research and are satisfied in the major.**

**To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:**

<https://www.odu.edu/newtransfer/letter-of-intent>

**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.**

**Additional Requirements - ODU**

EET	305	Adv. Technical Analysis	3
EET	350	Fund. of Electrical Tech.	3
EET	355	Electrical Laboratory	1
CET 345W Materials Testing Laboratory (online-2cr) OR MET 225 Materials Testing Laboratory (on-campus, 1cr)			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>Total Transfer Credits from TCC</b>			<b>92</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.

 10/29/2015  
Signature Date

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

 12/15/15  
Signature Date

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