

# Tidewater Community College/Old Dominion University

## 2018-2019 Catalog ARTICULATION AGREEMENT

Associate of Applied Science, Mechanical Engineering Technology with Transfer General Education Courses to  
Bachelor of Science in Engineering Technology -Mechanical Engineering Technology

Tidewater Community College A.A.S. in Mechanical Engineering Technology				Old Dominion University Equivalency			
CHM	111	College Chemistry I*	4	CHEM	121N/ 122N	Foundations of Chemistry	4
ENG	111	College Composition I*	3	ENGL	110C	English Composition I	3
IND	115	Materials and Processes of Industry*	4	MET	200	Manufacturing Processes and Methods	3
MTH	161	PreCalculus I*	3	MATH	162M	Precalculus I	3
SDV	101	Orientation to Engineering and technologies	1	UNIV	100	University Orientation	1
ENG	112	College Composition II*	3	ENGL	211C	English Composition II	3
MTH	162	PreCalculus II*	3	MATH	163	Precalculus II	3
Approved Program Electives		Take MEC 111, IND 106, and IND 146 or 150*	9	STEM 221 Industrial Materials, and STEM Electives (Substitute for ENGN 110 and ENGT 111)			9
CAD	241	Parametric Solid Modeling I*	3	MET	240	Computer Solid Modeling	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	Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in the category of Human Behavior	3	HB	1REQ	Human Behavior Way of Knowing	3
EGR	110	Engineering Graphics*	3	MET	120	Computer Aided Drafting	3
MEC	132	Mechanics II Strength of Materials*	3	CET	220	Strength of Materials	3
MEC	135	Mechanics Laboratory	1	CET	345	Mechanics Laboratory	1
PHY	202	General College Physics II*	4	PHYS	112N	Introductory General Physics II	4
Humanities Elective		Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Philosophy and Ethics, Human Creativity, or Literature	3	Liberal Arts Courses: Literature, Philosophy and Ethics, or Human Creativity			3
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3
MTH	263	Calculus I*	4	MATH	211	Calculus I	4
<b>Total Credits in AAS degree</b>			<b>64</b>	<b>Transfer Credits from AAS Degree</b>			<b>64</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
Social Science or Humanities Electives		Choose two courses from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture	6	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			6
<b>Additional Credits Required</b>			<b>6</b>				<b>6</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>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:</b>  <a href="http://www.odu.edu/transfer/vccs">http://www.odu.edu/transfer/vccs</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>	<b>Requirements for BS to be Completed at ODU</b>			
	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
	EET	305	Adv. Technical Analysis	3
	EET	350	Fundamentals of Electrical Technology	3
	EET	355	Electrical Laboratory	1
	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
	ENGT	434	Intro to Senior Project	1
	MET	XXX	Senior Electives	12
	ENGN	401	FE Review	1
	ENGT	435W	Senior Design Project	3
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	**Minor	XXX		12
	<b>Credits to be Taken at ODU</b>			
<b>Transfer Credits from AAS Degree</b>				<b>64</b>
<b>Additional Credits Required</b>				<b>6</b>
<b>Credits to be Taken at ODU</b>				<b>61</b>
<b>Total Credits</b>				<b>131</b>
<b>SUMMARY</b>				

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

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

**This agreement is effective upon its approval by TCC's Vice President for Academic Affairs and ODU's Vice Provost, Academic Affairs on January 30, 2019.**

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