

Tidewater Community College/Old Dominion University

2017-2018 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	163	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	164	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	Select one course from the certificate in general education requirements (not HIS)	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		ENG 125, 241, 242, 243, 251, 252, or 253, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122	3	Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity			3
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3
MTH	173	Calculus with Analytic Geometry I*	5	MATH	211	Calculus I	5
Total Credits in AAS degree			65	Transfer Credits from AAS Degree			65
Additional Required Courses for BS Degree				ODU Equivalency			
Social Science or Humanities Elective		ENG 125, 241, 242, 243, 251, 252, or 253, HIS 101, 102, 111, 112, 121, or 122, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122, or Foreign Lang. Level I or II	6	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			6
Additional Credits Required			6				6

<p>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</p> <p>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</p> <p>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.</p>	Requirements for BS to be Completed at ODU			
	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
	Credits to be Taken at ODU			
Transfer Credits from AAS Degree				65
Additional Credits Required				6
Credits to be Taken at ODU				61
Total Credits				132
SUMMARY				

*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 on February 18, 2018 by TCC's Vice President for Academic Affairs and ODU's Vice Provost, Academic Affairs:

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