

Thomas Nelson Community College/Old Dominion University

2016-2017 Catalog

ARTICULATION AGREEMENT

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

Thomas Nelson Community College Associate of Applied Science				Old Dominion University Equivalency			
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
HUM	ELE	ENG 241, 242, 243, 244, 251, 252, 253 or 254*	3	LIT	1REQ	Literature 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
ECO	201	Principles of Economics I*	3	ECON	201S	Principles of Macroeconomics	3
MTH	163	Pre-Calculus I*	3	MATH	162M	Pre-Calculus I	3
MTH	164	Pre-Calculus II*	3	MATH	163	Pre-Calculus II	3
PHY 201 & 202		General College Physics I* and II*	8	PHYS 111N & 112N		General Physics I and II	8
MEC	131	Mechanics I – Statics for Engineering Tech*	3	CET	200	Statics	3
CHM	111	College Chemistry I*	4	CHEM 121N/122N		Foundations of Chemistry Lecture & Lab	4
MEC	132	Mechanics II – Strength of Materials for Engineering Technology *	3	CET	220	Strength of Materials	3
MEC	161 or 220	Basic Fluid Mechanics: Hydraulics/Pneumatics* or Introduction of Polymeric and Composite Materials*	3	STEM	231	Industrial Materials	3
CAD	151	Engineering Drawing Fundamentals I*	3	MET	120	Computer-Aided Drafting	3
CAD	211	Advanced Technical Drafting I*	3	MET	240	Computer Solid Modeling	3
MEC	113	Materials and Processes of Industry*	3	MET	200	Manufacturing Processes & Methods	3
HLT/PED	ELE	Health/Physical Education Elective	1	HLTH/PE	ELE	Elective	1
MEC	133	Mechanics III – Dynamics for Engineering Technology*	2	ENGN	1ELE	Elective (Substitute for ENGT 111)	2
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
MEC	100	Intro. to Engineering Technology*	2	ENGN	1ELE	Engineering Elective (Substitute for ENGN 110)	2
MTH	173	Calculus with Analytic Geometry I*	4	MATH	211	Calculus I	4
Approved Electives		Electives may be selected from MEC, CAD, IND, or ETR 104	6	ENGN	ELE	Electives	6
Total Credits for AAS Degree			67	Transfer Credits from AAS Degree			67
Additional Required Courses for BS Degree				ODU Equivalency			
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3
HUM	ELE	ART 101, 102, 106, CST 151, 152, HUM 201, 202, MUS 121 or 122*	3	HC	1REQ	Human Creativity Way of Knowing	3
Additional Credits Required			6				6

<p>The lower division general education Language and Culture requirements will be satisfied by completion of all courses outlined in this program agreement.</p> <p>Philosophy and Ethics, Information Literacy and Research and Impact of Technology are met through the major.</p> <p>*Student must earn C or better for course to transfer.</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 alone 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 taken at ODU			
	EET	305	Adv. Technical Analysis	3
	EET	350	Fund. of Electrical Tech.	3
	EET	355	Electrical Laboratory	1
	MET 225 (on-campus) or CET 345W (online)		Material Science Laboratory or Material Testing Lab	1 or 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
	ENGT	434	Intro to Senior Design	1
	MET	XXX	Senior Electives	12
	ENGT	435W	Senior Design Project	3
	ENGN	401	Fund. of Engineering Review	1
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	***Minor	XXX		12
Credits to be Taken at ODU			62-63	
SUMMARY				
Transfer Credits from AAS Degree			67	
Additional Credits Required			6	
Credits to be Taken at ODU			62-63	
Total Credits			135-136	

 5/3/17
 Signature Date

Dr. Susan English
 Vice President for Academic Affairs
 Thomas Nelson Community College

 5/11/17
 Signature Date

Dr. Brian Payne
 Vice Provost for Graduate and Undergraduate
 Academic Programs
 Old Dominion University