

Northern Virginia Community College/Old Dominion University

2016-2017 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Engineering Technology (Drafting Specialization)

with General Education Courses to

Bachelor of Science in Mechanical Engineering Technology

Northern Virginia Community College Associate of Applied Science				Old Dominion University Equivalency			
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
CST 100 or 110		Principles of Public Speaking* or Introduction to Communication*	3	COMM	101R	Public Speaking	3
MTH	166	Precalculus with Trigonometry*	5	MATH	166	Precalculus I & II	5
Social Science Elective		HIS 101, 102, 111, 112, 121 or 122*	3	INTP	1REQ	Interpret. the Past Way of Knowing	3
Humanities / Fine Arts Elective		ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122*	3	HC	1REQ	Human Creativity Way of Knowing	3
EGR	115	Engineering Graphics*	2	ENGN	1ELE	Elective (Substitute for ENGN 110)	2
CIV	210	Structural Systems*	4	ENGN	2ELE	Elective (Substitute for ENGT 111)	4
EGR	130	Statics & Strength of Materials*	5	CET 200 & 220		Statics and Strength of Materials	5
CIV	171	Surveying I	3	CET	205	Principles of Surveying	3
CAD 201-202		Computer Aided Drafting and Design I*-II	8	MET 120 & ENGN 2ELE		Computer Aided Drafting and Elective	8
Technical Elective		CAD 238 - Computer Aided Modeling and Rendering I*	3	MET	240	Computer Solid Modeling	3
Technical Elective		MEC 112 - Processes of Industry*	3	MET	200	Manufacturing Process & Methods	3
Technical Elective		MTH 173 - Calculus with Analytic Geometry I*	5	MATH	211	Calculus I	5
MEC	118	Automated Manufacturing Technology*	3	ENGN	1ELE	Elective (Substitute for STEM 221/231)	3
ARC 123-124		Architectural Graphics I-II	6	STEM	1ELE	Elective	6
CSC	110	Intro. to Computing or ETR 106 – Basic Program Applied to Electrical/Electronic Calculations	3	CS	1ELE	Elective	3
ARC	133	Construction Methodology & Proc. I	3	STEM	1ELE	Elective	3
PED	116	Lifetime Fitness and Wellness	1	PE	1ELE	Elective	1
PED/RPK	ELE	Elective	1	PE/RTS	ELE	Elective	1
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
Total Credits in AAS Degree			68	Transfer Credits from AAS Degree			68
Additional Required Courses for BS Degree				ODU Equivalency			
Social/ Behavioral Sciences		ECO 120, 201, 202, GEO 200, 210, PLS 120, 135, 140, 211, 212, 241, 242, PSY 200, 201, 202, 230, 231, 232, 235, SOC 200, 201, 202, 255 or HUM 210*	3	HB	1REQ	Human Behavior Way of Knowing	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
HUM	ELE	ENG 236, 237, 241, 242, 243, 244, 245, 246, 251, 252, 253, 254, 255, 256, or 267*	3	LIT	1REQ	Literature Way of Knowing	3
PHY 201-202		General College Physics I*-II*	8	PHYS 111N-112N		General Physics I-II	8
CHM	111	General Chemistry I*	4	CHEM 121N/122N		Found. of Chemistry I	4
Additional Credits Required			21				21

				Requirements for BS to be Completed at ODU			
<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>				EET	350	Fund. of Electrical Tech.	3
				EET	355	Electrical Laboratory	1
				MET	300	Thermodynamics	3
				MET	310	Dynamics	3
				MET	320	Design of Machine Elements	3
				CET	345W	Materials Testing Lab or MET 225 – Materials Science Lab for 1 credit	2
				EET	305	Adv. Technical Analysis	3
				MET	330	Fluid Mechanics	3
				MET	335W	Fluid Mechanics Laboratory	1
				MET	350	Thermal Applications	3
				MET 370 & 386		Automation and Controls & Automation and Controls Lab	4
				ENMA	480	Ethics and Philosophy in Engineering Applications	3
				MET	387	Power and Energy Laboratory	2
				ENGT	434	Intro to Senior Project	1
				ENGN	401	Fund. of Engineering Review	1
				ENGT	435W	Senior Design Project (grade of C or better required)	3
				Senior Electives		(MET)	12
Minor	Students must select from any minor in either the College of Engineering and Technology or the College of Sciences		12				
Credits to be Taken at ODU			63				
SUMMARY							
Transfer Credits from AAS Degree			68				
Additional Credits Required			21				
Credits to be Taken at ODU			63				
Total Credits			152				

All 100/200-level required math, science and engineering technology courses must be completed with a C or better prior to enrollment in any 300-level engineering technology courses.


 Signature _____ Date 12-19-16

Dr. Sharon Robertson
 Associate Vice President, Academic Services
 Northern Virginia Community College


 Signature _____ Date 11/11/17

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