

Blue Ridge Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Mechanical Design Technology

with General Education Courses to

Bachelor of Science in Engineering Technology -Mechanical Engineering Technology

Blue Ridge Community College Associate of Applied Science				Old Dominion University Equivalency			
CAD	140	Technical Drawing*	3	MET	120	Computer Aided Drafting	3
EGR	120	Introduction to Engineering*	2	ENGN	110	Exploring Engineering and Tech.	2
ECO	120	Survey of Economics	3	ECON	200S	Basic Economics	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MTH	161	Pre-Calculus I*	3	MATH	162M	Pre-Calculus I	3
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
MEC	111	Materials for Industry*	3	STEM	221	Industrial Materials	3
CAD	241	Parametric Solid Modeling I*	3	MET	240	Computer Solid Modeling	3
MTH	162	Pre-Calculus II *	3	MATH	163	Pre-Calculus II	3
MEC	112	Processes of Industry*	3	MET	200	Manufacturing Proc. & Materials	3
CAD	225	Machine Drawing and Design	3	STEM	2ELE	Elective (Substitute for ENGT 111)	3
CAD	242	Parametric Solid Modeling II	3	MET	2ELE	Elective	3
EGR	130	Statics and Strengths of Materials for Engineering Technology*	5	CET 200 & 220		Statics & Strength of Materials	5
PHY	201	General College Physics I*	4	PHYS	111N	General College Physics I	4
Technical Elective		MTH 263 – Calculus I*	4	MATH	211	Calculus I	4
Social Science Elective		Choose one course from ODU’s Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in the category of Interpreting the Past	3	INTP	1REQ	Interpreting the Past Way of Knowing	3
EGR	245	Engineering Mechanics – Dynamics	3	MAE	205	Dynamics (substitute for MET 310 for agreement only)	3
EGR	247	Mechanics of Materials Laboratory*	1	MET	225	Materials Testing Laboratory	1
HLT/PED ELE		Health or Physical Education	2	HLTH/PE ELE		Elective	2
Literature/ Humanities/ Fine Arts Elective		Choose one course from ODU’s Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in any of the following categories: Philosophy and Ethics, Human Creativity, or Literature	3	Philosophy and Ethics, Human Creativity, or Literature Way of Knowing			3
EGR	285	Capstone Project	1	ENGN	2ELE	Elective	1
MEC	211	Machine Design I*	4	ENGN	2ELE	Elective	4
PHY	202	General College Physics II*	4	PHYS	112N	General Physics II	4
Total Credits in AAS degree			67	Transfer Credits from AAS Degree			67
Additional Required Courses for BS Degree				ODU Equivalency			
Social Science or Humanities Elective		Choose one courses from ODU’s Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
CST	110	Introduction to Speech Communication*	3	COMM	101R	Public Speaking	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
CHM	111	College Chemistry I*	4	CHEM 121/122N		Foundations of Chemistry I	4
Additional Credits Required			13				13


				Requirements for BS to be Completed at ODU			
<p>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</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: http://www.odu.edu/transfer/vccs</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 and 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	320	Design of Machine Elements	3
				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			58				
SUMMARY				Transfer Credits from AAS Degree			67
				Additional Credits Required			13
				Credits to be Taken at ODU			58
				Total Credits			138

*Student must earn a C or better at BRCC to transfer and earn credit at ODU.

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

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 Signature Date 1/16/19

Dr. Robert Young
 Vice President of Instruction and Student Services
 Blue Ridge Community College

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 Signature Date 1/30/19

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