

# Northern Virginia Community College/Old Dominion University

2018-2019 Catalog

## ARTICULATION AGREEMENT

Associate of Applied Science in Construction Management Technology with General Education Courses to  
Bachelor of Science in Civil 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
CIV	171	Surveying I*	3	CET	205	Principles of Surveying	3
CST 100/	110	Principles or Intro to Public Speaking*	3	COMM	101R	Public Speaking	3
MTH	167	PreCalculus with Trigonometry*	5	MATH	163	Precalculus II	5
Social Science 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 the category of Human Behavior	3	HB	1REQ	Human Behavior Way of Knowing	3
Humanities / Fine Arts 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	Philosophy and Ethics, Human Creativity, or Literature Way of Knowing			3
BLD	200	Sustainable Constructions*	3	STEM	2ELE	Elective (Substitute for CET 355)	3
BLD	215	OSHA 30 Construction Safety	2	STEM	2ELE	Elective	2
BLD	165	Construction Field Operations*	2	STEM	1ELE	Elective (Substitute for ENGN 110)	2
BLD	247	Construction Planning and Scheduling*	3	STEM	2ELE	Elective**	3
ARC	133	Construct. Method. & Procedures I*	3	CET	210	Fund. of Buildg. Const.	3
ARC	134	Construct. Method. & Procedures II	3	STEM	1ELE	Elective	3
CAD	201	Computer Aided Drafting and Design I*	4	CET	120	Computer Aided Drafting	4
ARC	225	Site Planning & Technology*	3	STEM	2ELE	Elective**	3
CAD	165	Architectural Blueprint Reading*	3	STEM	1ELE	Elective (Substitute for ENGT 111)	3
BLD 101-102		Construction Management I and II*	6	STEM	1ELE	Elective**	6
BLD 241-242		Construction Management III and IV*	6	STEM	2ELE	Elective**	6
BLD 231-232		Construction Estimating I and II*	6	STEM	2ELE	Elective**	6
Technical Elective		EGR 130 - Statics & Strengths of Materials required for BS degree* (Request substitution)	5	CET 200 & CET 220		Statics and Strength of Materials	5
PED	116	Lifetime Fitness and Wellness	1	PE	1ELE	Elective	1
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
<b>Total Credits in AAS Degree</b>			<b>71</b>	<b>Transfer Credits from AAS Degree</b>			<b>71</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
Humanities, Fine Arts, or Social Sciences 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
PHY 201-202		General College Physics I* and II*	8	PHYS 111N-112N		General Physics I and II	8
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
CHM	111	General Chemistry I*	4	CHEM 121N/122N		Found. of Chemistry I	4
MTH	263	Calculus I*	4	MATH	211	Calculus I	4
<b>Additional Credits Required</b>			<b>25</b>				<b>25</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>*Student must earn C or better for course to transfer.</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 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.</b></p> <p><b>**BLD 247, ARC 225, BLD 101, BLD 102, BLD 241, BLD 242, BLD 231, and BLD 232 will be used to fulfill 2 of the 5 CET Electives required.</b></p>	<b>Requirements for BS to be Completed at ODU</b>			
	CET	345W	Materials Testing Lab (grade of C or better required)	2
	EET	305	Advanced Technical Analysis	3
	CET	301	Structural Analysis	3
	CET	330	Fluid Mechanics	3
	MET	335W	Fluid Mechanics Lab (grade of C or better required)	1
	CET	340	Soils and Foundations	3
	CET	341W	Soils Testing Lab (grade of C or better required)	2
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	CET	260/360	Plans and Specifications	3
	ENMA	302	Engineering Economics	3
	CET	440	Contract Documents	3
	ENGT	434	Intro to Senior Project	1
	ENGN	401	Fundamentals of Engineering Review	1
	CET 410 or 450		Reinforced Concrete Design or Structural Steel Design	3
	ENGT	435W	Senior Design Project (grade of C or better required)	3
	BET	370T	Energy and the Environment	3
	CET	ELE	Electives**	9
	Upper Division		General Education (one or more additional courses will be required to complete a minor)***	6
	<b>Credits to be Taken at ODU</b>			<b>55</b>
<b>SUMMARY</b>				
<b>Transfer Credits from AAS Degree</b>			<b>71</b>	
<b>Additional Credits Required</b>			<b>25</b>	
<b>Credits to be Taken at ODU</b>			<b>55</b>	
<b>Total Credits</b>			<b>151</b>	

\*\*\*Students are encouraged to complete a minor in Engineering Management, Business Management, Environmental Health and Safety or Mechanical Engineering Technology.

*Sharon N. Robertson* \_\_\_\_\_ 10-4-19  
 Signature Date

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

*Brian Payne* \_\_\_\_\_ 10/21/19  
 Signature Date

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