

# Reynolds Community College/Old Dominion University

2018-2019 Catalog

## ARTICULATION AGREEMENT

Associate of Applied Science in Architectural and Engineering Technology  
Contemporary Technology for Design Specialization with General Education Courses to  
Bachelor of Science in Engineering Technology -Civil Engineering Technology Program


Reynolds Community College Associate of Applied Science				Old Dominion University Equivalency			
SDV	100	College Success Skills	1	UNIV	101	University Orientation	1
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MTH	161	PreCalculus I* (Instead of MTH 131)	3	MATH	162M	PreCalculus I	3
MTH	162	PreCalculus II* (Instead of MTH 154)	3	MATH	163	PreCalculus II	3
ARC	121	Architectural Drafting I	3	STEM	1ELE	Elective	3
ARC	131	Materials and Methods of Construction I*	3	CET	210	Fund. of Building Construction	3
BLD	103	Principles of Residential Bldg Const. Insp.	3	STEM	1ELE	Elective	3
DRF	238	Computer-Aided Modeling and Rendering I*	3	MET	240	Computer Solid Modeling**	3
CSC	155	Computer Concepts and Applications*	3	ITL	1REQ	Impact of Technology	3
BLD	210	Building Structures*	3	STEM	2ELE	Elective**	3
ARC	132	Materials and Methods of Construct II	3	STEM	1ELE	Elective	3
ARC	221	Architecture CAD Applications Software*	3	STEM	1ELE	Elective(Substitute for ENGT 110)	3
DRF	231	Computer Aided Drafting I*	3	CET	120	Computer Aided Drafting	3
DRF	232	Computer Aided Drafting II*	3	ENGN	ELE	Elective (substitute for CET 260)	3
----	ELE	Personal Wellness Elective	1	----	ELE	Elective	1
ARC	122	Architectural Drafting II	3	STEM	1ELE	Elective	3
ARC	201	History of Modern Architecture*	3	STEM	2ELE	Elective**	3
ARC	241	Building Mechanical Systems*	3	STEM	2ELE	Elective**	3
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
BLD	231	Construction Estimating*	3	STEM	2ELE	Elective**	3
ARC	222	Architectural CAD Applications Software II	3	STEM	2ELE	Elective(Substitute for ENGT 111)	3
ARC	242	Building Electrical Systems*	3	STEM	2ELE	Elective**	3
BLD	200	Sustainable Construction*	3	STEM	2ELE	Elective (Substitute for CET 355)	3
<b>Total Credits for AAS Degree</b>			<b>65</b>	<b>Transfer Credits from AAS Degree</b>			<b>65</b>
Additional Required Courses for BS Degree				ODU Equivalency			
Social Science, Fine Arts or Humanities Electives		Choose three 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	9	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			9
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
EGR	135	Statics for Engineering Technology*	3	CET	200	Statics	3
MTH	263	Calculus I*	4	MATH	211	Calculus I	4
PHY	201	General College Physics I*	4	PHYS	111N	General Physics I	4
CIV	171	Surveying I*	3	CET	205	Principles of Surveying	3
EGR	136	Strength of Materials for Engineering Technology*	3	CET	220	Strength of Materials	3
CST	ELE	100, 105 or 110*	3	COMM	101R	Public Speaking	3
CHM	111	College Chemistry I*	4	CHEM 121N/122N		Foundations of Chemistry	4
PHY	202	General College Physics II*	4	PHYS 112N		General Physics II	4
<b>Additional Credits Required</b>			<b>40</b>				<b>40</b>

		Requirements to be Completed at ODU		
<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 and the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</b></p> <p><b>**DRF 238, BLD 210, ARC 201, ARC 241, BLD 231, and ARC 242 will be used to fulfill 2 of the 5 CET Electives required.</b></p>	CET	301	Structural Analysis	3
	CET	330	Fluid Mechanics	3
	CET	340	Soils and Foundations	3
	CET	341W	Soils Testing Lab (grade of C or better required)	2
	CET	345W	Materials Testing Lab (grade of C or better required)	2
	ENGT	434	Intro to Senior Project	1
	CET	440	Contract Documents	3
	EET	305	Advanced Technical Analysis	3
	MET	335W	Fluid Mechanics Lab (grade of C or better required)	1
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	ENMA	302	Engineering Economics	3
	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
	EET	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>52</b>
<b>SUMMARY</b>		<b>Transfer Credits from AAS Degree</b>		<b>65</b>
		<b>Additional Credits Required</b>		<b>40</b>
		<b>Credits to be Taken at ODU</b>		<b>52</b>
		<b>Total Credits</b>		<b>157</b>

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

 10/31/19  
 Signature Date

Dr. Paula Pando  
 President  
 Reynolds Community College

 1/28/20  
 Signature Date

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