

Reynolds Community College/Old Dominion University

2016-2017 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Architectural and Engineering Technology

(Building Construction Management 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
GIS	200	Geographical Information Systems I	3	ENGN	2ELE	Elective	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MTH	163	PreCalculus I* (substitute for MTH 115)	3	MATH	162M	PreCalculus I	3
ARC	121	Architectural Drafting I*	3	STEM	1ELE	Elective (Substitute for ENGN 110)	3
ARC	131	Materials and Methods of Construct. I*	3	CET	210	Fundamentals of Building Construction	3
ARC	132	Materials and Methods of Construct. II*	3	STEM	1ELE	Elective**	3
ARC	221	Architectural CAD Applications Software I	3	ENGN	2ELE	Elective	3
DRF	231	Computer Aided Drafting I*	3	CET	120	Computer Aided Drafting	3
DRF	232	Computer Aided Drafting II	3	ENGN	1ELE	Elective	3
----	ELE	Personal Wellness Elective	1	----	ELE	Elective	1
ARC	122	Architectural Drafting II*	3	STEM	1ELE	Elective(Substitute for ENGT 111)	3
CIV	171	Surveying I*	3	CET	205	Principles of Surveying	3
CSC	155	Computer Concepts and Applications	3	ITL	1REQ	Impact of Technology	3
Social Science	ELE	ECO 120, 201, 202, GEO 200, 210, PSY 201, 202, PSY 230, 235 or SOC 200*	3	HB	1REQ	Human Behavior Way of Knowing	3
BLD	101	Construction Management I*	3	STEM	1ELE	Elective**	3
ARC	241	Building Mechanical Systems*	3	STEM	2ELE	Elective**	3
BLD	103	Principles of Residential Building Construction Inspection*	3	STEM	2ELE	Elective**	3
BLD	210	Building Structures*	3	STEM	2ELE	Elective**	3
BLD	231	Construction Estimating*	3	STEM	2ELE	Elective**	3
BLD	247	Construction Planning and Scheduling*	3	STEM	2ELE	Elective**	3
ARC	201	History of Modern Architecture	3	STEM	2ELE	Elective	3
Approved Technical Elective		EGR 136 - Strength of Materials for Engineering Technology*	3	CET	220	Strength of Materials	3
Total Credits for AAS degree			65	Transfer Credits from AAS Degree			65
Additional Required Courses for BS Degree				ODU Equivalency			
HUM	ELE	ART 100, 101, 102, 106, CST 151 or MUS 121*	3	HC	1REQ	Human Creativity Way of Knowing	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
MTH	164	PreCalculus II*	3	MATH	163M	PreCalculus II	3
PHY	201	General College Physics I*	4	PHYS	111N	General Physics I	4
EGR	135	Statics for Engineering Technology*	3	CET	200	Statics	3
HIS	ELE	101, 102, 111, 112, 121 or 121*	3	INTP	1REQ	Interpreting the Past Way of Knowing	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
MTH	173	Calculus with Analytical Geometry*	5	MATH	211	Calculus I	5
CST	ELE	100, 105 or 110*	3	COMM	101R	Public Speaking	3
HUM	ELE	ENG 241, 242, 243, 244, 251, 252, 253 or 254*	3	LIT	1REQ	Literature Way of Knowing	3
Additional Credits Required			38				38

<p>The lower division general education Language and Culture and Impact of Technology requirements will be satisfied by completion of all courses outlined in this program agreement.</p> <p>Information Literacy and Research is 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 and the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</p> <p>**ARC 132, BLD 101, ARC 241, BLD 103, BLD 210, BLD 231, and BLD 247 will be used to fulfill 2 of the 5 CET electives required.</p>	Requirements for BS to be Completed at ODU			
	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
	CET	355	Sustainable Building Practices	3
	CET	360	Plans and Specifications	3
	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	302	Engineering Economics	3
	ENMA	480	Ethics and Philosophy in Engineering Applications	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
CET	ELE	Electives**	9	
Upper Division		General Education (one or more additional courses will be required to complete a minor)***	6	
Credits to be Taken at ODU			55	
SUMMARY				
Transfer Credits from AAS Degree			65	
Additional Credits Required			38	
Credits to be Taken at ODU			55	
Total Credits			158	

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

 2.15.2017
 Signature Date

 3/20/17
 Signature Date

Dr. Gary L. Rhodes
 President
 Reynolds Community College

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