New River Community College/Old Dominion University 2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Electronics Technology with General Education Courses to Bachelor of Science in Engineering Technology-Electrical Engineering Technology (Communication Systems, Mechatronics Systems, Embedded Systems, or Power Systems Concentration)

New River Community College				Old Dominion University				
1.1		Associate of Applied Science		Equivalency				
ITE	115	Intro to Computer Applications & Concepts	3	CS	1ELE		3	
ENG	111	College Composition I *	3	ENGL	110C	English Composition	3	
MTH	167	Precalculus * (instead of MTH 131)	5	MATH	163	Precalculus II	5	
SAF	126	Principles of Industrial Safety	3		N	o Transfer Credit Awarded		
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1	
ELE	149	Wiring Methods in Industry	3	STEM	1ELE		3	
ETR 113	& 114	DC & AC Fundamentals I* & II*	6	EET 110, 200 & 205		Electrical Circuits II and Circuits Laboratory	6	
ETR	167	Logic Circuits & Systems I*	3	EET 120 & 125 Logic Circuits/Microprocessors and Logic/Microprocessor Lab		3		
ETR	203	Electronic Devices I*	3	EET 210 & 225		Elect. Devices I and Elec. Lab.	3	
ETR	241	Electronic Communications*	3	STEM	2ELE	Elective (see note on second page)	3	
ETR	231	Principles of Lasers and Fiber Optics I	4	ENGN	2ELE	Elective	4	
ELE	176	Intro to Alternative Energy Including Hybrid Systems	3	STEM	1ELE	Elective	3	
ELE	233	PLC System I	4	STEM	242	Technological Systems Control	4	
ELE	246	Industrial Robotics Programming*	3	STEM	2ELE	Elective (see note on second page)	3	
MEC	155	Mechanisms*	2	ENGN	1ELE	Elective (Substitute for ENGN 110)	2	
CAD	231	Computer Aided Drafting*	2	MET	120	Computer Aided Drafting (see note on second page)	2	
UMS	107	Small Unmanned Aircraft Systems Remote Pilot Ground School	3	STEM	1ELE	Elective	3	
UMS	177	Small Unmanned Aircraft Systems Components and Maintenance	3	STEM	1ELE	Elective	3	
ELE	298	Seminar & Project*	1	STEM	2ELE	Elective (substitute for ENGT 111)	1	
Social Science Electives		Choose two courses from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) one in the category of Human Behavior and one in Interpreting the Past	6	Human Behavior Way of Knowing and Interpreting the Past Way of Knowing		6		
HTH/PEI		Health or Physical Education	1	HLTH/PE ELE Elective			1	
	T	otal Credits in AAS Degree	66	Transfer Credits from AAS Degree			66	
	Additi	onal Required Courses for BS Degree		ODU Equivalency				
Social Science, Fine Arts or Humanities Electives		Choose two 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 Lang. and Culture	6	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture		6		
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3	
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3	
MTH	173	Calculus with Analytic Geometry I*	4	MATH	211	Calculus	4	
PHY 201 & 202		General College Physics I & II*	8	PHVS		Intro General Physics I & II	8	
СНМ	111	College Chemistry I*	4	CHEM 121N/122N Foundations of Chemistry I		4		
ETR 261, 273 or 274		Microprocessor Applications I, Computer Electronics I or II*	3	EET	261	Intro to Microprocessors (for	3	
or 27		dditional Credits Required	31			agreement only)		

Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.

*Indicates a departmental requirement at ODU. Must earn a C or better at NRCC to transfer and earn credit at ODU.

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

Dominion University's website to complete The Letter of Intent: http://www.odu.edu/transfer/vccs

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.

Re	quiremen	its for BS to be Completed at	ODU				
EET	300	Advanced Circuit	3				
	-	Analysis	3				
EET	305	Advanced Technical	3				
DDD	210	Analysis	3				
EET	EET 310 Digital Electronics						
EET	315	Digital Electronics	2				
DEC	220	Laboratory					
EET	320	Microprocessors and	3				
- DOT		Microcontrollers					
EET	325	Microprocessor	2				
		Laboratory					
EET	330	Linear Electronics	3				
EET	363	Intro to PLC	3				
EET	335	Linear Electronics	2				
		Laboratory					
EET	373	Instrumentation	3				
ENGT	434	Introduction to Senior	1				
		Project					
EET	370T	Energy and the	3				
		Environment					
ENGT	435W	Senior Project	3				
ENTR 64	100	(Grade of C or better required)					
ENMA	480	Ethics and Philosophy in	3				
	DET 6	Engineering Applications enior Electives					
~	6						
Concentra	6-7						
Specializa E							
	12						
	61-62						
Credits to be Taken at ODU 61-62 SUMMARY							
Trans	66						
A	31						
(61-62						
	158-159						

Signature

Peter Anderson

Interim Vice President for Instruction and Student Services New River Community College

Dr. Brian Payne

Vice Provost, Academic Affairs

Old Dominion University