

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 Associate of Applied Science				Old Dominion University Equivalency			
ITE	115	Intro to Computer Applications & Concepts	3	CS	1ELE	Elective	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	No Transfer Credit Awarded			
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
ELE	149	Wiring Methods in Industry	3	STEM	1ELE	Elective	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/PED ELE		Health or Physical Education	1	HLTH/PE ELE	Elective		1
Total Credits in AAS Degree			66	Transfer Credits from AAS Degree			66
Additional 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	PHYS 111N & 112N		Intro General Physics I & II	8
CHM	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 agreement only)	3
Additional Credits Required			31				31

