New River Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Electrical Engineering 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	148	Power Distribution Systems	3	STEM	1ELE	Elective	3
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 & 249		Electronic Devices I* & Electrical Control Systems*	7	EET 210 & 225		Elect. Devices & Circuits I and Electronics Laboratory	7
ELE	201	Applications and Instruments I	2	STEM	2ELE	Elective	2
ELE	211	Electrical Machines I	4	STEM	2ELE	Elective	4
ELE	217	Electric Power Utilities	2	STEM	2ELE	Elective	2
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
ELE	239	Programmable Controllers	3	STEM	242	Technological Systems Control	3
ELE	212	Electrical Machines II*	4	STEM	2ELE	Elective (see note on second page)	4
ELE	298	Seminar & Project*	1	STEM	2ELE	Elective (Substitute for ENGT 111)	1
Social Science Elective		Choose one course from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in the category of Human Behavior	3	HB	1REQ	Human Behavior Way of Knowing	3
HTH/PED ELE		Health or Physical Education	1	HLTH/PE ELE		Elective	1
Total Credits in AAS Degree			**67**	**Transfer Credits from AAS Degree**			**67**
Additional Required Courses for BS Degree				**ODU Equivalency**			
Humanities Electives		Choose three 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 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
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			**34**				**34**

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.

***The ODU B.S.E.E.T. degree requires students complete an approved engineering, engineering technology, math or science minor.

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.

Requirements for BS to be Completed at ODU			
EET	300	Advanced Circuit Analysis	3
EET	305	Advanced Technical Analysis	3
EET	310	Digital Electronics	3
EET	315	Digital Electronics Laboratory	2
EET	320	Microprocessors and Microcontrollers	3
EET	325	Microprocessor Laboratory	2
EET	330	Linear Electronics	3
EET	363	Intro to PLC	3
EET	335	Linear Electronics Laboratory	2
EET	373	Instrumentation	3
ENGT	434	Introduction to Senior Project	1
EET	370T	Energy and the Environment	3
ENGT	435W	Senior Project (Grade of C or better required)	3
ENMA	480	Ethics and Philosophy in Engineering Applications	3
EET Senior Electives			6
Concentration Specific Courses *(If Mechatronics Specialization is chosen, MET 426 will be met with ELE 212,CAD 231 and ELE 246)*			6-7
Minor Courses			12
Credits to be Taken at ODU			**61-62**
SUMMARY			
Transfer Credits from AAS Degree			**67**
Additional Credits Required			**34**
Credits to be Taken at ODU			**61-62**
Total Credits			**162-163**

5/10/19
Signature *Date*

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

5/21/19
Signature *Date*

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