

# Thomas Nelson Community College/Old Dominion University

2018-2019 Catalog

## ARTICULATION AGREEMENT

Associate of Applied Science in Electronics Technology,

Specialization 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)

Thomas Nelson Community College Associate of Applied Science				Old Dominion University Equivalency			
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
ENG	112	College Composition II* (Substitute for ENG 115)	3	ENGL	211C	English Composition II	3
Humanities 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 any of the following categories: Philosophy and Ethics, Human Creativity, or Literature	3	Liberal Arts Courses: Literature, Philosophy and Ethics, or Human Creativity			3
Social Science Electives		Choose two 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 the category of Human Behavior	6	HB	1REQ	Human Behavior Way of Knowing	6
MTH	161	Pre-Calculus I*	3	MATH	162M	Pre-Calculus I	3
MTH	162	Pre-Calculus II*	3	MATH	163	Pre-Calculus II	3
MTH	263	Calculus with Analytic Geometry I*	4	MATH	211	Calculus I	4
PHY 201 & 202		General College Physics I* and II*	8	PHYS 111N & 112N		General Physics I and II	8
HLT/PED ELE		Health/Physical Education Elective	1	HLTH/PE ELE		Elective	1
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
Elective		Elective	3	--	ELE	Elective	3
ETR	104	Electronic Fundamentals with Computer Applications*	4	ENGN	1ELE	Elective (Substitute for ENGN 110 & ENGT 111)	4
ETR 113 & 114		DC and AC Fundamentals I* and II*	8	EET 110, 200 & 205		Electrical Circuits I, II and Lab	8
ETR 148 & 250		Amplifiers and Integrated Circuits* and Solid State Devices*	8	EET 210 & 225		Electric Devices and Circuits I & II with Lab	8
ETR	261	Microprocessor Applications I*	4	EET	261	Introduction to Microprocessors and Microcontrollers	4
ETR	279	Digital Principles, Terminology and Applications*	4	EET	120 & 125	Logic Circuits and Microprocessors and Lab	4
<b>Total Credits for AAS Degree</b>			<b>66</b>	<b>Transfer Credits from AAS Degree</b>			<b>66</b>
Additional Required Courses for BS Degree				ODU Equivalency			
CST	100	Public Speaking*	3	COMM	101R	Public Speaking	3
Social Science, Fine Arts, or Humanities 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 any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
Science w/Lab	ELE	Transferrable Science with Lab (Students are recommended to complete CHM 111 – College Chemistry I)*	4	Science or CHEM 121N/122N		Laboratory Science or Foundations of Chemistry I	4
<b>Additional Credits Required</b>			<b>10</b>				<b>10</b>

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			6-7
Minor Courses			12
<b>Credits to be Taken at ODU</b>			<b>61-62</b>
<b>SUMMARY</b>			
<b>Transfer Credits from AAS Degree</b>			<b>66</b>
<b>Additional Credits Required</b>			<b>10</b>
<b>Credits to be Taken at ODU</b>			<b>61-62</b>
<b>Total Credits</b>			<b>137-138</b>

\*Indicates a departmental requirement at ODU. Must earn a C or better at TNCC 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.

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

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.

*Susan English* 3/16/19

Signature Date  
Dr. Susan English  
Vice President for Academic Affairs  
Thomas Nelson Community College

*Brian Payne* 8/12/19

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