

Virginia Western Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Mechatronics Systems Engineering Technology: EET specialization
with General Education Courses to

Bachelor of Science in Engineering Technology, Electrical Engineering Technology

(Communication Systems, Mechatronics Systems, Embedded Systems, or Power Systems Concentration)

Virginia Western Community College Associate of Applied Science				Old Dominion University Equivalency			
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
ELE	298	Seminar & Project in Electrical Technology*	3	STEM	2ELE	Elective (Substitute for ENGT 111)	3
ETR 113-114		DC and AC Fundamentals I and II*	8	EET 110, 200 & 205		Electrical Circuits I, Electrical Circuits II, and Circuits Lab.	8
MTH 131 or 167		Take MTH 167* (5 credits instead of 3 credits)	5	MATH 162 & 163		Precalculus I & II	5
MTH 155 or 263		Take MTH 263*	4	MATH	211	Calculus I	4
SDV	101	Orientation to Engineering	2	UNIV	100	University Orientation	2
TEL	150	Internetworking I	4	No Transfer Credit Awarded			0
ETR 237 & 238		Industrial Electronics I & II*	7	ENGN	2ELE	Elective (Substitute for EET 210 & EET 225 for agreement only)	7
Humanities Elective		Choose one course from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in any of the following categories: Literature, Phil. and Ethics, or Human Creativity	3	Liberal Arts Courses: Literature, Philosophy and Ethics, or Human Creativity			3
ETR	280	Intro. to Digital Logic Circuits and Computers*	4	EET 120 & 125		Logic Circuits/Microp. w/ Lab	4
EGR	216	Computer Methods in Engin. and Technology*	3	ENGN	2ELE	Elective	3
PHY	201	General College Physics I*	4	PHYS	111N	General Physics I	4
Social Science Elective		Choose one courses 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
IND	250	Introduction to Basic Computer Int. Manufacturing*	3	ENGN	110	Introduction to Engineering	3
SAF	127	Industrial Safety	2	STEM	1ELE	Elective	2
CAD	111	Technical Drafting	3	MET	120	Computer Aided Drafting	3
CAD	241	Parametric Solid Modeling	3	MET	240	Computer Solid Modeling	3
Total Credits in AAS Degree			67	Transfer Credits from AAS Degree			63
Additional Required Courses for BS Degree				ODU Equivalency			
ENG	112	College Composition II *	3	ENGL	211C	English Composition II	3
CST	100	Principles of Public Speaking (or CST 105)*	3	COMM	101R	Public Speaking	3
Humanities, Social Science or Fine Arts 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, Interp. the Past, Phil. 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
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
ETR	261	Microprocessor Applications I*	4	EET	261	Intro to Microprocessors	4
Additional Credits Required			24				24

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
Credits to be Taken at ODU			61-62
SUMMARY			
Transfer Credits from AAS Degree			63
Additional Credits Required			24
Credits to be Taken at ODU			61-62
Total Credits			148-149

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


 Signature Date 5/30/19

Dr. Elizabeth Wilmer
 Vice President of Academic & Student Affairs
 Virginia Western Community College


 Signature Date 6/13/19

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