

Virginia Western Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Mechatronics Systems Engineering Technology:
Design Engineering Technology Specialization with General Education Courses to
Bachelor of Science in Engineering Technology -Mechanical Engineering Technology

Virginia Western Community College Associate of Applied Science				Old Dominion University Bachelor of Science			
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
SDV	101	Orientation to Engineering and Mathematics	1	GNRL	1ELE	Elective	1
CAD	111	Technical Drafting*	3	MET	120	Computer Aided Drafting	3
EGR	105	Intro to Problem Solving in Technology*	1	ENGN	1ELE	Electives (Substitute for ENGN 110)	1
IND	230	Applied Quality Control*	3	STEM	2ELE		3
CAD	241	Parametric Solid Modeling*	3	MET	240	Computer Solid Modeling	3
MEC	113	Materials and Processes of Industry*	3	MET	200	Manufacturing Proc and Materials	3
MEC	119	Intro to Basic CNC and CAM*	3	STEM	231	Materials/Processes Technology	3
MEC	131	Mechanics I-Statics for Engineering Tech.*	3	CET	200	Statics	3
MEC	132	Mechanics II-Strength of Materials for ET*	3	CET	220	Strength of Materials	3
MEC	211	Machine Design I	4	STEM	323	Production Technology	4
CAD	226	Computer Aided Machining	3	STEM	2ELE	Elective	3
CAD	242	Parametric Solid Modeling II*	3	MET	240	Computer Solid Modeling	3
EGR	216	Computer Methods in Engn and Technology*	3	ENGN	2ELE	Elective (Substitute for ENGT 111)	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
ETR	113	DC and AC Fundamentals I	4	EET	110	Electrical Circuits I	4
MTH	167	Pre-Calculus with Trigonometry*	5	MATH	163	Precalculus II	5
MTH	263	Calculus I*	5	MATH	211	Calculus I	5
ETR	237	Industrial Electronics	4	ENGN	2ELE	Elective	4
SAF	127	Industrial Safety	2	--	ELE	Elective	2
Humanities Elective		Choose one courses from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) 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
PHY	201	General College Physics I*	4	PHYS	111N	General Physics I	4
Social Science		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
Total Credits for AAS Degree			70	Transfer Credits from AAS Degree			70
Additional Required Coursework				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
Social Science, Fine Arts or Humanities Electives		Choose two course 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	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
Additional Credits Required			20				20

