

Virginia Western Community College/Old Dominion University

2017-2018 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	--	--	No credit awarded	0
Humanities Electives		ART 101, MUS 121, 122, or PHI 101, 220	3	HC or PHIL	1REQ	Human Creativity or Philosophy and Ethics Way of Knowing	3
PHY	201	General College Physics I*	4	PHYS	111N	General Physics I	4
HIS 111 or 121		History of World Civilization or United States History I	3	INTP 1REQ or HIST 104H		Interp. the Past Way of Knowing or Interp. American Past	3
Total Credits for AAS Degree			70	Transfer Credits from AAS Degree			68
Additional Required Coursework				ODU Equivalency			
ENG	112	College Composition II *	3	ENGL	211C	English Composition II	3
Social Science	ELE	ECO 201, 202, GEO 200, 210, PLS 211, 212, PSY 200, 230, 235 or SOC 200	3	HB	1REQ	Human Behavior Way of Knowing	3
CST	100	Principles of Public Speaking (or CST 105)*	3	COMM	101R	Public Speaking	3
Humanities Electives		ENG 241, 242, 243, 244, HIS 111, 112, 121, or 122, PHI 101, 220, or REL 230, CST 130, HUM 201, 202, MUS 121 or 122, or Foreign Language Level I or II	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
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

