

# Piedmont Community College/Old Dominion University

2019-2020 Catalog

## ARTICULATION AGREEMENT

Associate of Applied Science in Industrial Electronics Technology

Bachelor of Science in Engineering Technology (Mechanical Engineering Technology)

Piedmont Community College Associate of Applied Science				Old Dominion University Bachelor of Science in Engineering Technology			
ENG	111	English I*	3	ENGL	110C	English Composition	3
ENG	112	English II*	3	ENGL	211C	English Composition	3
MTH	263	Calculus I*	4	MATH	211	Calculus I	4
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
SAF	130	Industrial Safety	1	GNRL	1ELE	Elective	1
IND 103, 250, & 251		Industrial Methods, Intro to Bsc Cmptr Integ Manu, and Automated Manu Sys I*	7	STEM 1ELE, ENGN 110, & STEM 2ELE		Elective, Intro to Engineering, and Elective (Substitute IND 251 for ENGT 111)	7
IND	113	Materials & Processes*	3	MET	200	Manufacturing Processes	3
ETR	113	DCAC Fundamentals I	4	EET	110	Electrical Circuits I	3
MEC 155 & 161 and ETR 140		Mechanisms, Fluid Power, and Intro to Mechatronics*	9	ENGN	1ELE	Electives (Substitute for MET 426 Intro to mechatronics for agreement only)	3
CAD	151	Engineering Drawing Fundamentals I*	3	MET	120	Computer Aided Drafting	3
ETR	156	Digital Circuits and Microp. Fundamentals	4	EET 120 & 125		Logic Circuits/Microp. and Lab	4
ETR	237 & 238	Industrial Electronic I/II*	6	ENGN	2ELE	Electives (Substitute for EET 350 & 355 Fund of Electrical Tech and Lab for agreement only)	4
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 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 the category of Human Behavior	3	HB	1REQ	Human Behavior Way of Knowing	3
ETR 203 & 241, and ELE 239		Electronic Devices I, Electronic Communication I, and Programmable Controllers*	9	EET 210 & 225, & ENGN 2ELEs		Electronic Devices and Lab and Electives (Substitute for MET 427 Mechatronic System Design for agreement only)	3
ETR	290	Internship	3	GNRL	ELE	Elective	3
<b>Total Credits in AAS degree</b>			<b>66</b>	<b>Transfer Credits from AAS Degree</b>			<b>66</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
MET	238	Computer Aided modeling*	3	MET	240	Computer Solid Modeling	3
PHY	201	Physics I*	4	PHYS	111N	Introductory General Physics I	4
PHY	202	Physics II*	4	PHYS	112N	Introductory General Physics II	4
CST	100/105	Public Speaking*	3	COMM	101R	Public Speaking	3
CHM	111	Chemistry I*	4	CHEM 121N/122N		Found of Chemistry I and Lab	4
EGR	240	Solid Mechanics*	3	CET	200	Statics	3
EGR	246	Mechanics of materials*	3	CET	220	Strength of Materials	3
Social Science or Humanities 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 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			9
<b>Additional Credits Required</b>			<b>30</b>				<b>30</b>

<p><b>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</b></p> <p><b>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:</b>  <a href="http://www.odu.edu/transfer/vccs">http://www.odu.edu/transfer/vccs</a></p> <p><b>Completion of this articulation agreement 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 <a href="http://admissions.odu.edu">admissions.odu.edu</a> for more information regarding guaranteed admission to Old Dominion University.</b></p>	Additional Old Dominion University Requirements			
	ENGT	305	Adv. Technical Analysis	3
	MET	225	Material Science Laboratory	1
	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
	MET	330	Fluid Mechanics	3
	MET	335W	Fluid Mechanics Laboratory	1
	MET	350	Thermal Applications	3
	MET	370	Automation & Controls	3
	MET	386	Automation & Controls Lab	1
	MET	387	Power & Energy Laboratory	2
	MET	434	Intro to Senior Design	1
	MET	XXX	Senior Electives	6
	MET	435W	Senior Design Project	3
	ENGN	401	Fund. of Engineering Review	1
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	***Minor	XXX		12
	Credits to be Taken at ODU			52
SUMMARY	Transfer Credits from AAS degree			66
	Additional Credits Required			33
	Total Credits to be Taken at ODU			52
	Total Credits for Degree at ODU			148

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*Signature* *Date*  
 Dr. John Donnelly  
 Vice President for Instruction and Student Services  
 Piedmont Virginia Community College

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