


**Patrick Henry Community College/Old Dominion University**

2018-2019 Catalog  
ARTICULATION AGREEMENT

Associate of Applied Science in General Engineering Technologies with General Education Courses to  
Bachelor of Science in Engineering Technology - Mechanical Engineering Technology

Patrick Henry Community College Associate of Applied Science				Old Dominion University Equivalency			
CST	110	Introduction to Communication*	3	COMM	101R	Public Speaking	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
HLT	105	Cardiopulmonary Resuscitation	1	HLTH	1ELE	Elective	1
MTH	167	PreCalculus with Trigonometry*	5	MATH	163	Precalculus II	5
SDV	108	College Survival Skills	1	UNIV	100	University Orientation	1
Social Science	ELE	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
EGR	110	Engineering Graphics*	3	MET	120	Computer Aided Drafting	3
SAF	126	Principles of Industrial Safety	3	HLTH	1ELE	Elective	3
ELE	246	Industrial Robotics Programming*	3	STEM	2ELE	Elective (Substitute for ENGN 110)	3
EGR	136	Strength of Materials for Engineering Technology*	3	CET	220	Strength of Materials	3
EGR	135	Statics for Engineering Technology*	3	CET	200	Statics	3
EGR	216	Computer Methods in Engineering*	3	ENGN	2ELE	Elective (Substitute for ENGT 111)	3
PHY	131	Take PHY 201 instead-required for BS*	4	PHYS	111N	General Physics I	4
Technical Elective		Take CAD 241*	4	MET	240	Computer Solid Modeling	4
Technical Elective		Take MEC 112*	3	MET	200	Manufacturing Processes and Materials	3
Technical Electives		Take PHY 202*	4	PHYS	112N	General Physics II	4
Technical Elective		Electives	7	--	ELE	Elective	7
EGR	298	Seminar and Project	1	ENGN	2ELE	Elective	1
MEC	119	Basic CNC and CAM*	3	STEM	231	Materials/Processes Technology	3
MEC	140	Introduction to Mechatronics	3	ENGN	1ELE	Elective	3
MEC	165	Applied Hydraulics, Pneumatics and Hydro.	3	ENGN	1ELE	Elective	3
<b>Total Credits in AAS Degree</b>			<b>65</b>	<b>Transfer Credits from AAS Degree</b>			<b>65</b>
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>			
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
Social Science, Fine Arts, or Humanities Electives		Choose three 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	9	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			9
MTH	173	Calculus with Analytical Geometry I*	5	MATH	211	Calculus I	5
CHM	111	College Chemistry I*	4	CHEM	121N/122N	Foundations of Chemistry I	4
EGR	247	Mechanics of Materials Lab*	1	MET	225	Material Science Lab	1
<b>Additional Credits Required</b>			<b>22</b>				<b>22</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 admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</b></p>	<b>Requirements for BS to be Taken at ODU</b>			
	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
	EET	305	Adv. Technical Analysis	3
	EET	350	Fundamentals of Electrical Technology	3
	EET	355	Electrical Laboratory	1
	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 Laboratory	1
	MET	387	Power & Energy Laboratory	2
	ENGT	434	Intro to Senior Project	1
	MET	XXX	Senior Electives	12
ENGN	401	FE Review	1	
ENGT	435W	Senior Design Project	3	
ENMA	480	Ethics and Philosophy in Engineering Applications	3	
***Minor	XXX		12	
<b>Credits to be Taken at ODU</b>			<b>61</b>	
<b>Total Transfer Credits from AAS</b>			<b>65</b>	
<b>Additional Credits Required</b>			<b>22</b>	
<b>Credits to be Taken at ODU</b>			<b>61</b>	
<b>Total Credits</b>			<b>148</b>	
<b>SUMMARY</b>				


  
 Signature \_\_\_\_\_ Date 12/14/14

Dr. Greg Hodges  
 Vice President of Academic & Student Success Services  
 Patrick Henry Community College


  
 Signature \_\_\_\_\_ Date 1/15/19

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