

# Lord Fairfax Community College/Old Dominion University

2017-2018 Catalog

## ARTICULATION AGREEMENT

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

Lord Fairfax Community College Associate of Applied Science				Old Dominion University Equivalency			
EGR	110	Engineering Graphics*	3	MET	120	Computer Aided Drafting	3
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
MEC	111	Materials for Industry*	3	STEM	221	Industrial Materials	3
MTH	163	Pre-Calculus I* (Instead of MTH 130)	3	MATH	162M	Pre-Calculus I	3
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
IND	145	Introduction to Metrology*	3	STEM	1ELE	Elective (Substitute for ENGN 110)	3
CAD	241	Parametric Solid Modeling I*	3	MET	240	Computer Solid Modeling	3
MTH	164	Pre-Calculus II * (Instead of MTH 131)	3	MATH	163	Pre-Calculus II	3
MEC	112	Processes of Industry*	3	MET	200	Manufacturing Proc. & Materials	3
CAD	242	Parametric Sold Modeling II*	3	ENGN	2ELE	Elective (Substitute for ENGT 111)	3
EGR 135 & 136		Statics for Engineering Technology and Strengths of Materials*	6	CET 200 & 220		Statics & Strength of Materials	6
PHY	201	General College Physics I*	4	PHYS	111N	General College Physics I	4
Technical Elective		Take MTH 173– Calculus with Analytic Geometry I OR MTH 271+272*	5	MATH	211	Calculus I	5
Technical Elective		Take CHM 111 General Chemistry I*	4	CHEM	121N/ 122N	Foundations of Chemistry	4
EGR	216	Computer Methods in Engineering and Technology	3	ENGN	2ELE	Elective	3
Social Science	ELE	PLS 135, 211, ECO 201, 202, GEO 210, SOC 200, PSY 200, 230, or 235	3	HB	1REQ	Human Behavior Way of Knowing	3
EGR	206	Engineering Economics	3	ENMA	302	Engineering Economics	3
Social Science	ELE	HIS 111, 112, 121 or 122	3	INTP	1REQ	Interp. the Past Way of Knowing	3
HLT/PED	ELE	Health or Physical Education	1	HLTH/PE ELE		Elective	1
Humanities Elective		ENG 241, 242, 243, 251, PHI 220, or REL 230, HUM 201, 260, MUS 121, or Foreign Lang. Level I or II	3	Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity, or Language and Culture			3
PHY	202	General College Physics II*	4	PHYS	112N	General Physics II	4
<b>Total Credits in AAS degree</b>			<b>70</b>	<b>Transfer Credits from AAS Degree</b>			<b>70</b>
Additional Required Courses for BS Degree				ODU Equivalency			
CST 100 or 110		Principles of Public Speaking* or Introduction to Speech Communication*	3	COMM	101R	Public Speaking	3
Social Science or Humanities Elective		ENG 241, 242, 243, 251, , HIS 101, 111, 112,121, or 122, PHI 220, or REL 230, HUM 201, 260, MUS 121, or Foreign Lang. Level I or II	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
<b>Additional Credits Required</b>			<b>6</b>				<b>6</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>*Student must earn C or better for course to transfer.</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="https://www.odu.edu/newtransfer/letter-of-intent">https://www.odu.edu/newtransfer/letter-of-intent</a></p> <p><b>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 and 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 Completed at ODU</b>			
	MET 225 (on-campus) OR CET 345W (online)		Materials Science Lab Materials Testing Lab	1 2
	EET	350	Fund. of Electrical Tech.	3
	EET	355	Electrical Laboratory	1
	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
	EET	305	Adv. Technical Analysis	3
	MET	330	Fluid Mechanics	3
	MET	335W	Fluid Mechanics Laboratory	1
	MET	350	Thermal Applications	3
	MET 370 & 386		Automation and Controls & Automation and Controls Lab	4
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	MET	387	Power and Energy Laboratory	2
	ENGT	434	Intro to Senior Project	1
	ENGN	401	Fund. of Engineering Review	1
	ENGT	435W	Senior Design Project (grade of C or better required)	3
	Senior Electives		(MET)	12
	Minor	Students must select from any minor in either the College of Engineering and Technology or the College of Sciences		12
	<b>Credits to be Taken at ODU</b>			<b>62-63</b>
<b>Transfer Credits from AAS Degree</b>				
<b>Additional Credits Required</b>			<b>6</b>	
<b>Credits to be Taken at ODU</b>			<b>62-63</b>	
<b>Total Credits</b>			<b>138-139</b>	
<b>SUMMARY</b>				

 1/15/18  
*Signature* *Date*

Dr. Kimberly P. Blosser  
Vice President of Academic and Student Affairs  
Lord Fairfax Community College

 2/6/18  
*Signature* *Date*

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