Thomas Nelson Community College/Old Dominion University

2017-2018 Catalog
ARTICULATION AGREEMENT

Associate in Applied Science in Advanced Integrated Manufacturing
with General Education Courses to Bachelor of Science in Occupational and Technical Studies—Industrial Technology Emphasis

Thomas Nelson Community College -AAS				**Old Dominion University Equivalency**			
ENG	111	College Composition I*	3	ENGL	110C	English Composition I	3
CAD	151	Engineering Drawing Fundamentals*	3	MET	120	Computer Aided Drafting	3
HLT	106	First Aid and Safety	2	HLTH	1ELE	HLTH Elective	2
MTH 163 & 164		Precalculus I* & II	6	MATH 162M &163		Precalculus I & II	6
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
ELE	156	Electrical Control Systems*	3	STEM	242	Technological Syst. Control	3
IND	145	Introduction to Metrology	3	STEM	1ELE	STEM Elective	3
ETR	168	Digital Circuit Fundamentals	2	STEM	1ELE	STEM Elective	2
ETR	140	Introduction to Mechatronics	3	ENGN	1ELE	ENGN Elective	3
ETR	107	Programming Apps for ELE/ETR Calc.	3	ENGN	1ELE	Elective	
CAD	211	Advanced Technical Drawing	3	STEM	2ELE	Elective	3
CAD	235	App. for Additive Manufacturing	3	ENGN	2ELE	Elective	3
MEC 131 or EGR 135		Mechanics I-Statics for Eng or Statics for ET	3	CET	200	Statics	3
MEC	113	Materials and Processes of Industry*	3	STEM	231	Materials/Processes Tech	3
MEC	119	Intro to Basic CNC and CAM	3	STEM	2ELE	Elective	3
MEC	161	Basic Fluid Mechanics-Hydraulics/Pneum.	3	MET	200	Manufacturing Proc. & Mat.	3
MEC	220	Introduction to Polymeric and Composite Materials*	3	STEM	2ELE	Substitute for STEM 221 Industrial Materials (for this agreement only)	
ELE	233	Programmable Logic Controller Systems	3	STEM	2ELE	STEM Elective	3
ECO 120 or 201		Survey of Economics or Principles of Macroeconomics*	3	ECON 200S or 201S		Basic Econ. or Principles of Macroecon. (Sub. for ACCT 201 for this agreement only)	3
PHI	220	Ethics	3	PHIL	230E	Intro to Ethics	3
IND	181	World Class Manufacturing*	3	STEM	1ELE	Substitute for STEM 321 Manufacturing Technology (for this agreement only)	3
Approved Elective ELE		Take ITE 119 Info Literacy for this agreement*	3	STEM	251G	Communication and Info Tech	3
Approved Elective ELE		Take ELE 150 AC and DC Circuit Fundamentals for this agreement*	3	STEM	241	Energy Syst: Basic Electricity	3
Total credits for AAS Degree			**68**	**Transfer Credits from AAS Degree**			**68**
Additional Required Courses for BS Degree				**ODU Equivalency**			
PSY	200	Principles of Psychology*	3	PSYC	201S	Intro to Psychology	3
MATH	157	Elementary Statistics*	3	STAT	130M	Elementary Statistics	3
ENG	112	College Composition II*	3	ENGL	211C	English Composition II	3
Humanities Electives		ENG 125, 241, 242, 243, 244, 251, or 253, HIS 101, 102, 111, 112,121, or 122, PHI 101, 220, or CST 130, 141, HUM 201, 202, MUS 121 or 122, or Foreign Lang. Level I or II	9	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			9
PHY 101 &102		Intro to Physics I & II*	8	PHYS 101N &102N		Conceptual Physics	8
Additional Credits Required			**26**				**26**

Can *Indicates a departmental requirement at ODU, not automatically satisfied by completion of articulation agreement. Student must earn a C or better.

Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.

To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:
https://www.odu.edu/newtransfer/letter-of-intent

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.

** The following courses may be completed with the VCCS, with a C or better, to meet ODU degree requirements for this major. However, all students are required to complete a minimum of 30 credit hours with ODU and 12 of those must be at the 300/400 level in the major to earn the Bachelor of Science degree. These course substitutions will not be used to satisfy requirements in any other ODU degree programs (majors or minors) outside the SEPS/STEM Department:

VCCS	ODU
PSY 126 substituted for	PSYC 303
HMS 100 substituted for	HMSV 339
BUS 200 substituted for	MGMT 325
BUS 205 substituted for	MGMT 340
MKT 100 substituted for	MKGT 311

Requirements for BS to be completed at ODU

STEM	351	Communication Technology	3
STEM	382	Industrial Design	3
STEM	370T	Technology and Society (Writing Intensive Course)	3
SEPS	400	Instructional Systems Development	3
**MGMT	325	Contemporary Organizations and Management	3
**MGMT	340	Human Resources Management	3
**MKTG	311	Marketing Principles and Problems	3
**HMSV	339	Interpersonal Relations	3
SEPS	302	Workforce Supervision	3
SEPS	402	Instructional Methods in Occupational Studies	3
**PSYC	303	Industrial/Organizational Psych.	3
Upper Division General Education		Upper Division can be met in a variety of ways. Please refer to ODU catalog.	6
Credits to be Taken at ODU			**39**

SUMMARY	
Transfer Credits from AAS Degree	**68**
Additional Credits Required	**26**
Credits to be Taken at ODU	**39**
Total Credits	**133**

Signature Date 3/19/18

Dr. Susan English
Vice President for Academic Affairs
Thomas Nelson Community College

Signature Date 3/29/18

Dr. Brian Payne
Vice Provost for Graduate and Undergraduate Academic Programs
Old Dominion University