

**Thomas Nelson Community College/Old Dominion University  
2018-2019 Catalog**

**ARTICULATION AGREEMENT**

*Associate in Applied Science in Technical Studies, Specialization in Industrial Technology  
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	131	Applied Technical Math I –Substitute for MTH 154 or 155 for this agreement*	3	MATH	101M or 1REQ	Critical Thinking or Math Requirement	3
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
ELE	156	Electrical Control Systems*	3	STEM	242	Technological Syst. Control	3
ENG	115	Technical Writing*	3	ENGL	231C	Intro to Tech & Sci Writing	3
IND	145	Introduction to Metrology	3	STEM	1ELE	STEM Elective	3
ETR	168	Digital Circuit Fundamentals	2	STEM	1ELE	STEM Elective	2
MEC	100	Introduction to Engineering Technology	2	ENGN	110	Exploring Engn and Tech	3
MEC	155	Mechanisms	2	STEM	1ELE	STEM Elective	2
ETR	140	Introduction to Mechatronics	3	ENGN	1ELE	ENGN Elective	3
MEC	113	Materials and Processes of Industry*	3	STEM	231	Materials/Processes Tech	3
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
SAF	126	Principles of Industrial Safety	3	ELE	1ELE	Elective	3
MEC	266	Applications of Fluid Mechanic	3	STEM	2ELE	STEM Elective	3
MEC	165	Applied Hydraulics, Pneumatics and Hydrostatics	3	STEM	1ELE	STEM Elective	
PHI	220	Ethics	3	PHIL	230E	Intro to Ethics	3
IND	181	World Class Manufacturing	3	STEM	1ELE	STEM Elective	3
PSY 200 or SOC 200		Take PSY 200-Principles of Psychology *	3	PSYC	201S	Intro to Psychology	3
Approved Elective	ELE	Cooperative Education in Industrial Engineering Technology and Approved Technical Electives**	9	STEM	ELE	STEM Electives**	9
<b>Total credits for 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>			
Social Science, Fine Arts, 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			6
Sciences w/Labs		Choose two Sciences courses w/Lab 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> )	8	NS 1 & 2 REQ	Nature of Science Way of Knowing I & II		8
<b>Additional Credits Required</b>			<b>14</b>				<b>14</b>

\*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:

<http://www.odu.edu/transfer/vccs>

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](http://admissions.odu.edu) for more information regarding guaranteed admission to Old Dominion University.

\*\*Requires completion in one of the following ways:

1) 3+ years of a Registered Apprenticeship, as documented by the US DOL and/or the VA DOLI, and approved by TNCC and ODU. Registered apprenticeship must include a minimum of 6000 clock hours of on-the-job training and 432 clock hours of classroom instruction.

2) Significant and documented training and work experience, approved by TNCC and ODU.

A maximum of 21 credits applicable to the degree may be awarded following successful completion of IND XXX. Students needing additional courses to reach the 21 credit hours required in content skills and knowledge will select courses in collaboration with the academic dean (or designee) to meet student and/or employer needs. Upon transfer to ODU, students will earn credit as STEM 221, 231, 241, 251G, 321, 351, and/or 382.

**Requirements for BS to be completed at ODU**

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 (Meets Oral Communication)	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 33**

**SUMMARY**

Transfer Credits from AAS Degree	<b>66</b>
Additional Credits Required	<b>14</b>
Credits to be Taken at ODU	<b>33</b>
<b>Total Credits</b> (120 credits required for graduation)	<b>113</b>

 7/24/19  
Signature Date

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

 8/12/19  
Signature Date

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