

Thomas Nelson Community College				The Apprentice School		Old Dominion University	
AAS Technical Studies: Specialization, Engineering Technology				Technical Studies Program Requirements		BS OTS - Industrial Technology	
2019-2020				2019-2020		2019-2020	
General Education Courses							
Course#	Course Title	Credit	Courses taken at NNAS WSCS Program	ODU Course Equivalents	Credit		
ENG 111	College Composition I	3		ENGL 110C		3	
PHI 220	Ethics	3		PHI 230E		3	
ECO 201	Social Science Elective	3		ECO 201S		3	
HIS 121	Social Science Elective	3		HIS 104H		3	
MTH 115 or MTH 161	Technical Math or Precalculus II	3	M111 (NNAS)			3	
Wellness	Wellness	2	H210/HLT 210 (TNCC) or Apprentice School Athletics (NNAS) or Military	HLTH 2ELE		2	
SDV 100	College Success Skills	1		UNIV 100		1	
Total General Education Course Credits		18		Total General Education Course Credits		15	
Major and Other Courses							
Course #	Course Title	Credit	NNAS Program	ODU Course Equivalents	Credit		
CAD 151	Engineering Drawing Fundamentals I	3	D111 (NNAS)	MET 120 (Technical Content)		3	
ENG 115	Technical Writing	3		ENGL 231C		3	
ELE 150	A.C. and D.C. Circuit Fund.	3		STEM 241 (Technical Content)		3	
MTH 116 or MTH 162	Technical Math II or Precalculus II	3	M112 (NNAS)	No credit for M112, but if take MTH 162 receives credit for MATH 163		0-3	
PHY 201	General College Physics I	4	P222 (NNAS) + P221 (NNAS)	PHYS 111N (Gen Ed Science)		4	
MEC 100 or MAR 120	Introduction to Ship Systems	3		STEM 1ELE (Technical Content)		3	
ITE 115 or CSC 200	Intro to Computer Apps & Concepts or Intro to Comp. Science	3		CS 101 (Elective)		3	
ITE 140 or IND 181	Spreadsheet Software or World Class Manufacturing	3		STEM 1ELE (Technical Content)		3	
IND 140 or BUS 209	Quality Control or Continuous Quality Improvement	3		BUSN 2ELE (Business Elective)		3	
BUS 200 or BUS 117	Principles of Management or Leadership Development	3	B222 (NNAS)	BUSN 2ELE (Business Elective)		3	
---	Elective	3	SHCN 111 Ship Construction I (NNAS)	STEM 382 Industrial Design		3	
---	Elective	3	SHCN 222 Ship Construction II (NNAS)	STEM 221 Industrial Materials		3	
---	Elective	1	SITE 211 Digital Shipbuilding & Technology (NNAS)	STEM231 Materials and Process Technology		3	
---	Elective	4	PSYC 221 Psychology of Safety in the Workplace	STEM 351 Communication Technology		4	
IND 297	Cooperative Ed in Engineering Tech	4	MECH 222 Mechanics (NNAS)	STEM 321 Manufacturing Technology		4	
IND 297	Cooperative Ed in Engineering Tech	3		STEM 367 (if approved, consult with advisor)		3	
		3	Trade-related training (NNAS)	STEM 367 (if approved, consult with advisor)		3	
Total Major and Other Course Credits		52		Total Major and Other Course Credits		51-54	
Additional Required Courses Taken at TNCC or ODU (not included in the AAS degree or NNAS Program, but required for the BS in OTS- Industrial Technology)							
MTH 161	Precalculus I (or take College Algebra at ODU)	3		MATH 162M		3	
ITE 119	Information Literacy	3		STEM 251G		3	
ELE approved course	ELE 143, 144, 156, 157, 160, 169, 201, 202, 225, 233, 234, 238, 239 or 240	3		STEM 242		3	
MTH 155 or 245	Statistics	3		STAT 130M		3	
ART	Art 100, 111, or 112, CST 130, 141, 142, 151, 152, or 250 ART 101, 102, 103, 104, 105, 106, 133, 150, 201, 202, HUM 100, 201, 202, 260, MUS 121 or 122 or 125, or CST 231 or 232	3		Human Creativity Way of Knowing		3	
PHY 202	Physics II with lab	4		PHYS 112N		4	
PSY 201	Intro to Psychology	3		PSYC 201S (prerequisite to PSYC 303 required in the major)		3	
ACC 211	Principles of Accounting I	3		ACCT 201		3	
Total Additional Required Course Credits		25		Total Additional Required Course Credits		25	

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

Student must earn C or better for courses to transfer.

**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 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:**

Additional courses available at TNCC:

VCCS	ODU
BUS 111 substituted for	SEPS 302
PSY 126 substituted for	PSYC 303
HMS 100 substituted for	HMSV 339
BUS 150 or BUS 200 substituted for	MGMT 325
BUS 205 substituted for	MGMT 340
MKT 100 substituted for	MKGT 311

Requirements for BS to be taken at ODU

MKTG	311**	Marketing and Principles and Problems	3
MGMT	325**	Contemporary Organizations and Management	3
SEPS	302**	Workforce Supervision	3
HMSV	339**	Interpersonal Relations (Satisfies Oral Communication)	3
MGMT	340**	Human Resources Management	3
STEM	370T	Technology and Society (Writing Intensive)	3
SEPS	400	Instructional System Development	3
PSYC	303**	Industrial/Organizational Psychology	3
SEPS	402	Industrial Methods in Occupational Studies	3
Business Electives			9
Upper Division General Education			6
Total Credits to be Taken at ODU			42
Total Transfer Credits			61
Total Additional Required Courses (taken at TNCC or ODU)			22
Total Credits			125

Regina D. McLean 9/2/2020
Signature Date

Regina D. McLean
Training Manager, Academics
Apprentice School

Latitia D. McCane 9/2/2020
Signature Date

Dr. Latitia D. McCane
Director, Education
Apprentice School

Brian Payne 9/3/2020
Signature Date

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