

Virginia Western Community College: Associate of Applied Science in Mechatronics Systems Engineering Tech.
2025-2027 Old Dominion University: BS in Engineering Technology, Manufacturing Engineering Technology

AAS Transfer Agreement Guide

Complete at Virginia Western Community College

AAS DEGREE REQUIREMENT		ODU EQUIVALENCY		
VWCC Course	credits	C= Grade C REQ G = Gen ED M = Major REQ	ODU Equivalent Course	Notes
CAD 111	3		MET 120	
ENG 111	3	C G M	ENGL 110C	
MTH 167	5	C G M	MATH 163	
SDV 101	2		UNIV 100	
SAF 127	2		GNRL 1ELE	
MEC 162 + IND 251 + ETR 113	10	CM	ENGT 270 & 286	
Fine Arts/Humanities Elective	3	G	Liberal Arts Requirement	See note 1 below
Social Science Elective	3	G	Human Behavior	See note 1 below
MTH 263	4	C M	MATH 211	
ETR 286	3	C M	MFET 235	
MEC 113	3	C M	MET 200	
MEC 128	3		ENGN 1ELE	
CAD 241	3	C M	ENGT 230	
MEC 131 & MEC 132	6	C M	ENGT 200 & ENGT 220	
PHY 201	4	C M	PHYS 111N	
IND 250	3	CM	ENGN 2ELE	See note 2 below
ETR 237	4	C M	MFET 320	
IND 230	3	C M	MFET 330	
ETR 238	3		ENGN 2ELE	

CREDITS PRE-TRANSFER: 70

Complete at Old Dominion University

BACHELOR'S DEGREE REQUIREMENT		
ODU Course	Credits	Notes
Liberal Arts Requirement	6	See note 3 below
ENGL 211C	3	ENG 112 if taken at VCCS
COMM101R	3	CST 100 or 110 if taken at VCCS
CHEM 121N/122N	4	CHM 111 if taken at VCCS
PHYS 112N	4	PHY 202 if taken at VCCS
EET 120 & EET 125	4	ETR 156 or 271 or 280 if taken at VCCS
STAT 330	3	MTH 283 if taken at VCCS
EET 405	3	
ENGT 365	3	
MET 310	3	
MFET 310	3	
MFET 340	3	
ENGT 434	3	
ENGT 435W	3	
ENMA 301, 302, 401 & 480	12	Engineering Management Minor
Manufacturing Senior Electives	6	See note 4 below

CREDITS POST-TRANSFER: 60

Notes (continued on back):

- Choose a course from ODU's VCCS Transfer Guide <http://www.odu.edu/transfer/vccs-transfer-guide.html> in the following categories: 6 credits in Philosophy and Ethics, Human Creativity, Literature or Foreign Language; and 3 credits in the category of Human Behavior. Please consult with your VWCC advisor to select the appropriate course.
- ENGN 121 and ENGN 122 at ODU will be met with the completed AAS, IND 250, and General Education courses as listed in this agreement. Consult ODU Advisor.
- These courses can be taken at ODU or VCCS. If taken at VCCS, choose courses from ODU's VCCS Transfer Guide <http://www.odu.edu/transfer/vccs-transfer-guide.html> in the following categories: 6 credits in Philosophy and Ethics, Human Creativity, Literature, Interpreting the Past or Foreign Language. *These courses are beyond the completion of the AAS degree.
- 6 credits of Manufacturing ET Senior Electives will be met by completion of the AAS; for students under this agreement only. Consult ODU advisor.

Notes (continued):

- *Lower-Division General Education waiver and course substitutions are not automatic upon enrollment to ODU, students must notify academic advisor for these to be processed upon verification.*
- *Course requirements listed in this agreement are based on the 2025-2027 catalogs for each institution but are valid until 2027, unless an updated agreement guide was created and is available on the ODU Transfer Pathways website: <https://odu.edu/transfer/transfer-pathways/vccs>.*
- *Grade of C or higher is required to receive course credit.*
- *To participate in this transfer agreement guide please visit Old Dominion University's website to complete the Letter of Intent: <http://www.odu.edu/transfer/vccs>*
- *Completion of this transfer agreement guide 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.*
- *120 min. credits required for graduation.*
- *For any questions regarding this agreement, please email transfercenters@odu.edu*



Signature Date 6/4/25

Dr. Elizabeth Wilmer
Vice President of Academic & Workforce Solutions
Virginia Western Community College



Signature Date 6/16/25

Dr. Janice Hawkins
Vice Provost for Academic Affairs
Old Dominion University