

Delaware Technical Community College: Associate of Applied Science (A.A.S.) in Mechanical Engineering Technology
Old Dominion University: BS in Engineering Technology, Mechanical Engineering Technology

2026-2030 A.A.S. Transfer Agreement Guide

Complete at Delaware Technical Community College				Complete at Old Dominion University		
AAS DEGREE REQUIREMENT				BS DEGREE REQUIREMENT		
DTCC Course	Credits	ODU Equivalent Course	Notes	ODU Course	Credits	Notes
SSC 100 First Year Seminar	1	UNIV 100 University Orientation		Social Science General Education Requirement	6	1,2
MAT 183 Reasoning w/ Functions I or MAT 193 Reasoning w/ Functions II or MAT 281 Calculus I	5, 4, 4	MATH 1ELE, MAT 1REQ, MATH 211 Calculus I	1,5	Humanities General Education Requirement	3	1,3
MET 115 Introduction to MET	3	ENGN 1ELE Engineering Elective		CHEM 121N/CHEM 122N Foundations of Chemistry I/Foundations of Chemistry I Laboratory	4	1,4
MET 123 Modern Manufacturing Techniques	3	MET 123 Modern Manufacturing Techniques + MET 264 Material Science = MET 200 Materials and Manufacturing Processes	6	PHYS 112N Introductory General Physics	4	1,4
MET 133 Mechanical Engineering Graphics/CAD	3	ENGT 230 Engineering Graphics & Computer Solid Modeling		ENGN 121 Introduction to Engineering & Technology	4	
ENG 101 Composition I	3	ENGL 110C English Composition		ENGN 122 Computer Programming for Engineering	4	
MAT 193 Reasoning w/ Functions II or MAT 281 Calculus I or MAT 282 Calculus II	4	MATH 1REQ or MATH 211 Calculus I or MATH 2ELE	1,5	MET 225 Strength of Materials Laboratory	1	
PHY 205 Physics I or PHY 281 Physics I with Calculus	4	PHYS 111N Introductory General Physics or PHYS 231N University Physics	1,4	ENGT 270 Automation and Controls	3	
MET 132 Statics or CET 258 Statics w/ Calculus	3	ENGT 200 Statics		ENGT 286 Automation and Controls Laboratory	1	
MET 242 Strength of Materials or CET 270 Solid Mechanics w/ Calculus	3	ENGT 220 Strength of Materials		MET 300 Thermodynamics	3	
ENG 102 Composition II	3	ENGL 211C English Composition		MET 310 Dynamics	3	
MET 225 Advanced Mfg. Tech.	3	MET 225 + MET 249 = MFET 320 Intro to Mechatronics	6	MET 330 Fluid Mechanics	3	
MET 249 Electro-Mech. Systems	4	MET 249 + MET 226 = MFET 320 Intro to Mechatronics	6	MET 331 Fluid Mechanics Laboratory	1	
MET 241 Fluid Mechanics	4	ENGN 2ELE Engineering Elective		ENGT 365 Geometric Dimensioning & Tolerancing	3	
MET 243 Dynamics	3	ENGN 2ELE Engineering Elective		MET 340 Heat Transfer	3	
MET 264 Material Science	4	MET 264 Material Science + MET 123 Modern Manufacturing Techniques = MET 200 Materials and Manufacturing Processes	6	MET 350 Thermal Applications	3	
MET 245 Machine Design	3	MET 320 Design of Machine Elements		MET 351 Thermal Applications Laboratory	1	
MET 271 Engineering Project	3	ENGN 2ELE Engineering Elective		ENGT 305 Advanced Technical Analysis	3	

SOC 103 Sustainability and Society	3	SOC 2ELE Sociology Elective		ENGT 434 Introduction to Senior Design Project	3	
				ENMA 302 Engineering Economics	3	7
				ENMA 480 Ethics & Philosophy in Engineering Applications	3	7
				ENGT 435W Senior Design Project	3	
				MET Senior Electives	6	6
				Upper Division General Education Elective	6	7
CREDITS PRE-TRANSFER: 61-62				CREDITS POST-TRANSFER: 77		

Numbered Notes:

- **Note 1: Transfer Course Options.** Before enrolling in an DTCC lower-level general education course, it is highly advisable that students seek guidance from an ODU enrollment coordinator. Courses can be completed at either DTCC or at ODU, and/or approved standardized examination (i.e., CLEP, DSST).
- **Note 2: Social Science Requirement.** ODU requires 6 credit hours of lower-division Social Science. Courses may be completed at DTCC or ODU.
- **Note 3: Humanities Requirement.** DTCC students will need to complete 3 additional credit hours in ODU lower-division Humanities. This may be completed at DTCC or ODU.
- **Note 4: Science Requirements.** Physics I and II, as well as Chemistry I with a lab are ODU MET departmental requirements. Students may complete Physics II and Chemistry I requirements at DTCC or at ODU. Physics courses must be completed in sequence (PHY 205/206 or PHY 281/282). Students who take DTCC's PHY 205 may either complete PHY 206 General Physics II at DTCC or PHYS 112N General Physics II at ODU. Students who take DTCC's PHY 281 may either complete PHY 282 Physics II with Calculus at DTCC or PHYS 232N University Physics II at ODU. Students may take CHM 150 Chemical Principles at DTCC to transfer in as CHEM 121N Foundations of Chemistry I and CHEM 122N Lab to meet the ODU CET Chemistry requirement.
- **Note 5: Math Requirement.** The ODU MET program requires Math through Calculus I; therefore, students should complete MAT 281 Calculus I at DTCC which will transfer to ODU as MATH 211 Calculus I. Students who do not transfer in an equivalent course to MATH 211 Calculus I will need to complete the math requirement at ODU.
- **Note 6: Course Combination Equivalency.** For students following this agreement, ODU's Mechanical Engineering Technology (MET) department has determined that MET 123 Modern Manufacturing Techniques and MET 264 Material Science together are equivalent to MET 200 Materials and Manufacturing Processes at ODU. In addition, MET 225 and MET 249 together are equivalent to MFET 320 Introduction to Mechatronics. The MET 225 and MET 249 combination will also count toward 3 of the 9 required credit hours of MET senior electives.
- **Note 7: Upper Division General Education.** Students may complete either a minor or 6 credits of approved upper division (300/400 level) courses to meet the Upper-Division General Education requirement. The ODU MET major requires ENMA 302 Engineering Economics and ENMA 480 Ethical Leadership in Engineering Applications, which will also satisfy two courses in the Engineering Management minor. To complete a **minor in Engineering Management**, an additional 6 credit hours in either project management, decision techniques, or risk analysis are required.

General Notes:

- *This guide is for advising and planning purposes only. Degree requirements are subject to change.*
- 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.
- Lower-Division General Education waiver and course substitutions are not automatic upon enrollment to ODU. Students must notify their ODU academic advisor for these to be processed upon verification.
- Grade of C or higher is required to receive transfer course credit.
- A minimum of 120 credit hours is required for graduation. Students must earn a minimum of 30 credits at Old Dominion University to be eligible for a degree.
- Course requirements listed in this agreement are based on the 2025-2026 catalogs for each institution and are valid until 2030, unless annual catalog curriculum changes or an updated agreement guide is created.
- **Students are encouraged to complete the Letter of Intent (LOI) to gain access to exclusive benefits, including pre-advising, coaching, and a waived application fee. Submit the LOI at <https://online.odu.edu/transfer-intent> to connect with an ODU enrollment coordinator. Contact academicpartnerships@odu.edu for questions about this transfer agreement.**

