

Wake Technical Community College: Associate of Applied Science in Geomatics Technology

**ODUGlobal (Old Dominion University): BS in Engineering Technology, Civil Engineering Technology**

**2025-2028 Transfer Agreement Guide**

Complete at Wake Technical Community College				Complete at Old Dominion University		
AAS DEGREE REQUIREMENT				BS DEGREE REQUIREMENT		
WTCC Course	Credits	ODU Equivalent Course	Notes	ODU Course	Credits	Notes
ACA 115 Success & Study Skills	1	UIV 100 University Orientation		CHEM 121N Foundations of Chemistry I and CHEM 120 online chemistry lab	4	1
CEG 115 Introduction to Technology & Sustainability	3	ENGN 121 Introduction to Engineering and Technology		PHYS 111N Intro to General Physics	4	1
SRV 110 Surveying I	4	CET 205 Principles of Surveying		PHYS 112N Intro to General Physics II	4	1
CEG 151 CAD for Engineering Technology	3	CET 120 Civil 2D Computer Aided Drafting		MATH 211 Calculus I	4	1
Math Elective: MAT 121 Algebra/Trigonometry I or MAT 171 Precalculus Algebra	3 or 4	MATH 162M Pre-Calculus I		English Composition Requirement	3	1
CEG 111 Introduction to GIS and GNSS	4	ENGN 1ELE Engineering Elective		Social Science Requirement	3	2
UAS 111 Unmanned Aircraft Systems	3	GNRL 1ELE General Elective		Upper Division General Education	6	5
SRV 111 Surveying II	4	CET 205 Principles of Surveying		CET Approved Major Electives	12	6
ENG 111 Expository Writing	3	ENGL 110C English Composition		ENGN 122 Computer Programming for Engineering	4	
SRV 220 Survey Law	3	CET 314 Boundary and Mock Trial Law	6	ENGT 200 Statics	3	
SRV 250 Advanced Surveying	4	ENGN 2ELE Engineering Elective		CET 210 Fundamentals of Building Construction	3	
CEG 211 Hydrology & Erosion Soil	3	ENGN 2ELE Engineering Elective		ENGT 220 Strength of Materials	3	
PSY 150 General Psychology	3	PSYC 201S Intro to Psychology	2	CET 221 Materials Testing Lab	1	
SRV 210 Surveying III	4	ENGN 2ELE Engineering Elective		CET 260 CAT for Building Applications	2	
COM-231 Public Speaking	3	COMM 101R Public Speaking		CET 265 Civil 3D CAD	2	
UAS 150 UAS Flight Simulation	3	GNRL 1ELE General Elective		CET 301 Intro to Structural Design	4	
CEG 230 Subdivision Planning & Design	3	ENGN 2ELE Engineering Elective		CET 330 Fluid Mechanics	4	
UAS 230 UAS Aerial Photo Surveys	3	GNRL 2ELE General Elective		CET 355 Sustainable Building Practices	3	
SRV 240 Topo/Site Surveying	4	ENGN 2ELE Engineering Elective		CET 340 Soils & Foundations	3	
PHI 240 Introduction to Ethics	3	PHIL 230E Intro to Ethics	3	CET 341 Soils Testing Laboratory	1	
<b>Major Elective:</b> ISC 121 Environmental Health & Safety, MAT 172 Precalculus Trigonometry, CEG	2-4	GNRL 1ELE General Elective, <b>MATH 163 Precalculus II, CET 210 Fundamentals of</b>	4	CET 361 Construction Project Management	3	

210 Construction Materials & Methods, CEG 235 Proj. Mgmt/Estimating, WBL 112DK Work Based Learning I, WBL 120 Career Readiness/Explore/Employ		Building Construction, ENGN 2ELE Engineering Elective, GNRL 1ELE General Elective, GNRL 1ELE General Elective				
				ENMA 302 Engineering Economics	3	
				ENGT 434 Intro to Senior Design Project	3	
				ENGT 435W Senior Design Project	3	
				ENMA 480 Ethical Leadership in Engr. Applications	3	
<b>CREDITS PRE-TRANSFER: 66-69</b>				<b>CREDITS POST-TRANSFER: 88</b>		

**Numbered Notes:**

- **Note 1: Transfer course options.** To ensure optimal transfer of credits, students are strongly encouraged to consult with an ODU enrollment coordinator before registering for general education courses at WTCC. Lower-level general education courses for the Civil Engineering Technology (CET) program at ODU can be completed at either WTCC or ODU. If students choose to complete these courses at WTCC, the following equivalencies will apply: CHM 151 General Chemistry at WTCC will transfer to ODU as CHEM 121N and 122N and fulfil the chemistry requirement. PHY 151 College Physics I at WTCC will transfer to ODU as PHYS 111N. PHY 152 College Physics II at WTCC will transfer to ODU as PHYS 112. MAT 271 Calculus I at WTCC will transfer to ODU as MATH 211. ENG 102 Composition II, ENG 112 Writing, Research in Disciplines, ENG 103 Report Writing, and ENG 114 Professional Research & Report Writing at WTCC will meet the English Composition requirement at ODU. CEG 210 Construction Materials & Methods is a major elective option for the Geomatics program at WTCC. While MAT 172 Precalculus Trigonometry is the recommended major elective selection for transfer, it is important to note CEG 210 at WTCC will meet the requirement for CET 210 Fundamentals of Building Construction at ODU.
- **Note 2: Social Science Requirement.** ODU requires 6 credit hours in ODU lower-division general education area Human Behavior Way of Knowing. Students who select appropriate transferable courses for the Social Science requirement at WTCC will meet this requirement. Students who do not transfer in equivalent coursework will need to fulfill the requirement at ODU.
- **Note 3: Humanities Requirement.** ODU requires 6 credit hours in ODU lower-division general education areas of Literature, Human Creativity, Philosophy and Ethics, Interpreting the Past and Language and Culture. Students who select appropriate transferable courses for the Arts/Humanities requirement at WTCC will meet this requirement. Students who do not transfer in equivalent coursework will need to fulfill the requirement at ODU.
- **Note 4: WTCC Major Elective.** Students are directed to select MAT 172 Precalculus Trigonometry to satisfy the prerequisite for MATH 211 Calculus I at ODU. Students who select the other major electives will receive equivalent elective credit; however, they will need to complete MATH 163 Pre-Calculus II at ODU prior to enrolling in MATH 211.
- **Note 5: Upper Division General Education.** Complete 6 credits of approved upper division (300/400 level) courses to meet the Upper-Division General Education requirement. **Minor Option:** 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 CET 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.
- **Note 6: CET Major Electives.** ODU's Civil Engineering Technology (CET) program requires students to complete 15 credit hours of approved upper-level major electives. WTCC's SRV 220 Survey Law course transfers to ODU as CET 314 Boundary and Mock Trial Law and fulfills 3 of these required elective credits. As a result, students transferring this course will need to complete only 12 additional upper-level CET elective credits at ODU.

**General Notes:**

- Completion of this transfer agreement guide alone does not guarantee admission to Old Dominion University.
- 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 2028, 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>. Contact [academicpartnerships@odu.edu](mailto:academicpartnerships@odu.edu) for questions about this transfer agreement.