<table>
<thead>
<tr>
<th>Tidewater Community College</th>
<th>Old Dominion University Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIV 110 Intro to Civil Engineering Technology*</td>
<td>ENGN ELE (Substitute for ENGN 110) 2</td>
</tr>
<tr>
<td>CIV 115 Civil Engineering Drafting*</td>
<td>ENGN ELE (Substitute for ENGT 111) 3</td>
</tr>
<tr>
<td>CIV 174 Geomatics*</td>
<td>CET 205 Principles of Surveying 3</td>
</tr>
<tr>
<td>CIV 175 Geomatics Laboratory*</td>
<td>1</td>
</tr>
<tr>
<td>CIV 200 Fundamentals of Building Construction*</td>
<td>CET 210 Fund. of Building Construction 3</td>
</tr>
<tr>
<td>CIV 225 Soil Mechanics*</td>
<td>ENGN 2ELE (Sub. for CET 340-Soils and Found.) 3</td>
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<tr>
<td>CIV 226 Soil Mechanics Laboratory*</td>
<td>ENGN 2ELE (Sub. for CET 341-Soils Test. Lab) 3</td>
</tr>
<tr>
<td>CIV 230 Civil Construction Materials</td>
<td>ENGN ELE Elective 3</td>
</tr>
<tr>
<td>CIV 239 Fluid Mechanics and Hydraulics Lab*</td>
<td>ENGN ELE (Sub. for MET 335W Fluid Mech. Lab) 1</td>
</tr>
<tr>
<td>CIV 240 Fluid Mechanics and Hydraulics*</td>
<td>ENGN 2ELE (Sub. for CET 330-Fluid Mechanics) 3</td>
</tr>
<tr>
<td>MEC 131 Mechanics I – Statics for Engr. Technology*</td>
<td>CET 200 Statics 3</td>
</tr>
<tr>
<td>MEC 132 Mechanics II – Strength of Materials*</td>
<td>CET 220 Strength of Materials 3</td>
</tr>
<tr>
<td>MEC 135 Mechanics Laboratory*</td>
<td>ENGN ELE (Sub. for CET 345W-Materials Lab) 1</td>
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<tr>
<td>---- ELE Approved Technical Elective (CHM 111 College Chemistry I)*</td>
<td>CHEM 121N/122N Foundations of Chemistry I 4</td>
</tr>
<tr>
<td>---- ELE Approved Technical Elective (MTH 263 Calculus I)*</td>
<td>MATH 211 Calculus I 4</td>
</tr>
<tr>
<td>---- ELE Approved Technical Elective (PHY 201 College Physics I)*</td>
<td>PHYS 111N Introductory General Physics I 4</td>
</tr>
<tr>
<td>---- ELE Approved Technical Elective (PHY 202 College Physics II)*</td>
<td>PHYS 112N Introductory General Physics II 4</td>
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<tr>
<td>---- ELE Approved Technical Elective (CAD 201)*</td>
<td>CET 120 Civil 2D Comp. Aided Drafting 3</td>
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<tr>
<td>ENG 111 College Composition I*</td>
<td>ENGL 110C English Composition 3</td>
</tr>
<tr>
<td>MTH 161 PreCalculus I*</td>
<td>MATH 162M Precalculus I 3</td>
</tr>
<tr>
<td>MTH 162 PreCalculus II*</td>
<td>MATH 163 Precalculus II 3</td>
</tr>
<tr>
<td>SDV 101 Orientation to Engr. and Technologies</td>
<td>UNIV 100 University Orientation 1</td>
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<tr>
<td>Humanities Elective</td>
<td>Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity 3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>Human Behavior Way of Knowing 3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>Inter. the Past Way of Knowing 3</td>
</tr>
<tr>
<td>Total Credits for AAS Degree</td>
<td>68 Transfer Credits from AAS Degree 67</td>
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<table>
<thead>
<tr>
<th>Additional Required Courses for BS Degree</th>
<th>ODU Equivalency</th>
</tr>
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<tbody>
<tr>
<td>Social Science, Fine Arts or Humanities Elective</td>
<td>Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture 3</td>
</tr>
<tr>
<td>ENG 112 College Composition II*</td>
<td>ENGL 211C English Composition 3</td>
</tr>
<tr>
<td>CST 100 Principles of Public Speaking or CST 110*</td>
<td>COMM 101R Public Speaking 3</td>
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<tr>
<td>Additional Credits Required</td>
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</table>

Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity, or Language and Culture
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 course 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.

<table>
<thead>
<tr>
<th>Requirements for BS to be Completed at ODU</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 301 Structural Analysis</td>
</tr>
<tr>
<td>CET 355 Sustainable Building Practices</td>
</tr>
<tr>
<td>CET 260/360 Plans and Specifications</td>
</tr>
<tr>
<td>ENGT 434 Intro to Senior Project</td>
</tr>
<tr>
<td>CET 440 Contract Documents</td>
</tr>
<tr>
<td>EET 305 Advanced Technical Analysis</td>
</tr>
<tr>
<td>ENMA 302 Engineering Economics</td>
</tr>
<tr>
<td>ENMA 480 Ethics and Philosophy in Engineering Applications</td>
</tr>
<tr>
<td>ENGN 401 Fundamentals of Engineering Review</td>
</tr>
<tr>
<td>CET 410 or 450 Reinforced Concrete Design or Structural Steel Design</td>
</tr>
<tr>
<td>ENGT 435W Senior Design Project (grade of C or better required)</td>
</tr>
<tr>
<td>CET ELE Electives</td>
</tr>
<tr>
<td>EET 370T Energy and the Environment</td>
</tr>
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</table>

Upper Division

General Education (one or more additional courses will be required to complete a minor)*** 6

<table>
<thead>
<tr>
<th>Credits to be Taken at ODU</th>
<th>53</th>
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<tbody>
<tr>
<td>Transfer Credits from AAS Degree</td>
<td>67</td>
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<tr>
<td>Additional Credits Required</td>
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<tr>
<td>Credits to be Taken at ODU</td>
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</tr>
<tr>
<td>Total Credits</td>
<td>129</td>
</tr>
</tbody>
</table>

***Students are encouraged to complete a minor in Engineering Management, Business Management, Environmental Health and Safety or Mechanical Engineering Technology.

Signature 1/11/2019
Dr. Kellie C. Sorey
Associate Vice President for Academic Affairs
Tidewater Community College

Signature 1/30/19
Dr. Brian Payne
Vice Provost, Academic Affairs
Old Dominion University