### Tidewater Community College/Old Dominion University

**2012-2013 Catalog**

**ARTICULATION AGREEMENT**

Associate of Applied Science, Civil Engineering Technology

With Transfer General Education Package to

Bachelor of Science in Engineering Technology Civil Engineering Technology

<table>
<thead>
<tr>
<th>TCC A.A.S. in Civil Engineering Technology</th>
<th>ODU B.S. in Engineering Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major</strong></td>
<td><strong>Civil Engineering Technology</strong></td>
</tr>
<tr>
<td>CIV 110 Intro to Civil Engineering Technology</td>
<td>2 ENGN ELE (Substitute for ENGN 110)</td>
</tr>
<tr>
<td>CIV 115 Civil Engineering Drafting</td>
<td>3 ENGN ELE (Substitute for ENGT 111)</td>
</tr>
<tr>
<td>CIV 171 *Surveysing I</td>
<td>3 CET 305 Principles of Surveying</td>
</tr>
<tr>
<td>CIV 172 Surveying II</td>
<td>3 ENGN ELE Approved Elective</td>
</tr>
<tr>
<td>CIV 200 Fundamentals of Building Construction</td>
<td>3 ENGN ELE Elective</td>
</tr>
<tr>
<td>CIV 225 Soil Mechanics</td>
<td>3 CET 340 Soils and Foundations</td>
</tr>
<tr>
<td>CIV 226 Soil Mechanics Laboratory</td>
<td>1 CET 341 Soils Testing Laboratory</td>
</tr>
<tr>
<td>CIV 230 Civil Construction Materials</td>
<td>3 ENGN ELE Elective</td>
</tr>
<tr>
<td>CIV 240 *Fluid Mechanics and Hydraulics</td>
<td>3 MET 330 Fluid Mechanics</td>
</tr>
<tr>
<td>MEC 131 *Mechanics I – Statics for Engineering Technology</td>
<td>3 CET 200 Statics</td>
</tr>
<tr>
<td>---- ELE *Approved Technical Elective</td>
<td>4 CHEM 121N/122N Foundations of Chemistry</td>
</tr>
<tr>
<td>(CHM 111 College Chemistry I)</td>
<td></td>
</tr>
<tr>
<td>---- ELE *Approved Technical Elective</td>
<td>5 MATH 211 Calculus I</td>
</tr>
<tr>
<td>(MTH 173 Calculus)</td>
<td></td>
</tr>
<tr>
<td>---- ELE *Approved Technical Elective</td>
<td>4 PHYS 111N General College Physics I</td>
</tr>
<tr>
<td>(PHY 201 College Physics I)</td>
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<tr>
<td>---- ELE *Approved Technical Elective</td>
<td>4 PHYS 112N General College Physics II</td>
</tr>
<tr>
<td>(PHY 202 College Physics II)</td>
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<tr>
<td>---- ELE *Approved Technical Elective</td>
<td>3 MET 120 Computer Aided Graphics</td>
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<tr>
<td>(CAD 201)</td>
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<tr>
<td>ENG 111 College Composition I</td>
<td>3 ENGL 110C English Composition</td>
</tr>
<tr>
<td>MTH 163 *Pre-Calculus I</td>
<td>3 MATH 162M Pre-Calculus I</td>
</tr>
<tr>
<td>MTH 164 *Pre-Calculus II</td>
<td>3 MATH 163 Pre-Calculus II</td>
</tr>
<tr>
<td>SDV 101 Orientation to Engineering and Technologies</td>
<td>1 UNIV 100 Orientation</td>
</tr>
<tr>
<td>HLT/PED ELE Health or PE Elective</td>
<td>2 HLT/PE ELE Health / PE Elective</td>
</tr>
<tr>
<td>HUM ELE Choose one: ENG 125, 241, 242, 243, 244, 251, 252 or 253</td>
<td>3 LIT 1REQ Literature Way of Knowing</td>
</tr>
<tr>
<td>Social Science ELE Select one social/behavioral science elective from general education certificate (not HIS)</td>
<td>3 HB 1REQ Human Behavior Way of Knowing</td>
</tr>
<tr>
<td>Social Science ELE Select one social/behavioral science elective HIS 101, 102, 111, 112, 121 or 122</td>
<td>3 INTP 1REQ Inter, the Past Way of Knowing</td>
</tr>
<tr>
<td><strong>Total for AAS</strong></td>
<td><strong>71</strong></td>
</tr>
<tr>
<td><strong>Total Transfer</strong></td>
<td><strong>71</strong></td>
</tr>
</tbody>
</table>

**Additional General Education for Transfer Package**

**ODU General Education Requirement**

**Additional Required Courses**

**Additional Courses to Transfer to ODU**

| HUM ELE Choose one: ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122 | 3 HC 1REQ Human Creativity Way of Knowing |
| ENG 112 *College Composition II | 3 ENGL 211C English Composition |
| CST 100 *Principles of Public Speaking | 3 COMM 101R Public Speaking |

**Total credits at TCC** 80

**Total Transferable Credits** 80
Note: The lower division general education Language and Culture and Impact of Technology requirements will be satisfied by completion of all courses outlined in this program agreement.

Philosophy and Ethics and Information Literacy and Research are satisfied in the major.

To participate in this articulation agreement please visit Old Dominion University’s website to complete The Letter of Intent: http://uc.odu.edu/advising/transfer/letterofintent.shtml

Completion of this articulation agreement does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions or the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.

<table>
<thead>
<tr>
<th>Additional Requirements - ODU</th>
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</thead>
<tbody>
<tr>
<td>EET 305 Advanced Technical Analysis</td>
</tr>
<tr>
<td>CET 301 Structural Analysis</td>
</tr>
<tr>
<td>CET ELE Electives</td>
</tr>
<tr>
<td>MET 335W Materials Testing Lab</td>
</tr>
<tr>
<td>CET 360 Plans and Specifications</td>
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<tr>
<td>MET 310 Dynamics</td>
</tr>
<tr>
<td>CET 434 Intro to Senior Design</td>
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<tr>
<td>CET 345W Materials Testing Lab</td>
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<tr>
<td>ENMA 302 Engr. Economics</td>
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<tr>
<td>ENMA 480 Ethics and Philosophy in Engineering</td>
</tr>
<tr>
<td>Applications</td>
</tr>
<tr>
<td>ENGN 401 FE Review</td>
</tr>
<tr>
<td>CET 440 Contract Documents</td>
</tr>
<tr>
<td>CET 450 Structural Steel Design</td>
</tr>
<tr>
<td>CET 400 Computer Applications in Structural</td>
</tr>
<tr>
<td>Design</td>
</tr>
<tr>
<td>CET 410 Reinforced Concrete Design</td>
</tr>
<tr>
<td>CET 475 Senior Design Project</td>
</tr>
<tr>
<td>Upper Gen Ed Upper Division courses</td>
</tr>
<tr>
<td>Total Credits to be Taken at ODU             54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUMMARY</th>
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</thead>
<tbody>
<tr>
<td>Total Transfer Credits in AS degree          71</td>
</tr>
<tr>
<td>Total Additional General Education Credits   9</td>
</tr>
<tr>
<td>Credits to be Taken at ODU                  54</td>
</tr>
<tr>
<td>Total Credits for B.S. Degree at ODU         134</td>
</tr>
</tbody>
</table>

*Departmental requirement at ODU student must earn a C or better at TCC to transfer and earn credit at ODU.

**All 100/200-level required math, science and engineering technology courses must be completed prior to enrollment in any 300-level engineering technology courses with a C or better.

***B.S.C.E.T. requires students to complete an approved engineering, engineering technology, math or science minor.

Dr. Daniel T. DeMarte 3/11/13  
Signature Date

Dr. Carol Simpson 3/19/13  
Signature Date

Dr. Daniel T. DeMarte  
Vice President for Student Learning  
Tidewater Community College

Dr. Carol Simpson  
Provost and Vice-President, Academic Affairs  
Old Dominion University