

**Tidewater Community College/Old Dominion University**

2018-2019 Catalog

**ARTICULATION AGREEMENT**


Associate of Applied Science, Computer-Aided Drafting and Design Technology

Specialization: Architectural Drafting and Design Technology with Transfer General Education Courses to  
Bachelor of Science in Engineering Technology -Civil Engineering Technology Concentration


| <b>Tidewater Community College<br/>AAS in Computer-Aided Drafting and Design Technology<br/>Specialization: Architectural Drafting and Design Tech.</b> |     |   |           | <b>Old Dominion University<br/>Equivalency</b>   |      |                                       |           |
|---|-----|---|-----------|--|------|---------------------------------------|-----------|
| ARC   | 100 | Introduction to Architecture*   | 3         | STEM   | 1ELE | Elective**                            | 3         |
| CAD   | 151 | Engineering Drawing Fundamentals I*   | 3         | STEM   | 1ELE | Elective**                            | 3         |
| CAD   | 201 | Computer Aided Drafting and Design I*   | 4         | CET  | 120  | Civil 2D Comp. Aided Drafting         | 4         |
| ENG   | 111 | College Composition I*  | 3         | ENGL   | 110C | English Composition                   | 3         |
| MTH   | 161 | Precalculus I*  | 3         | MATH   | 162M | Precalculus I                         | 3         |
| SDV   | 100 | College Success Skills  | 1         | UNIV   | 100  | University Orientation                | 1         |
| ARC   | 121 | Architectural Drafting I*   | 3         | STEM   | 1ELE | Elective**                            | 3         |
| ARC   | 133 | Construction Methodology and Procedures I*  | 3         | STEM   | 1ELE | Elective (Substitute for ENGN 110)    | 3         |
| CAD   | 202 | Computer Aided Drafting and Design II*  | 4         | ENGN   | ELE  | Elective (Substitute for CET 260)     | 4         |
| MTH   | 162 | Precalculus II*   | 3         | MATH   | 163  | Precalculus II                        | 3         |
| Technical Elective  |     | ARC 246-Materials and Methods of Construction*  | 4         | CET  | 210  | Fundamentals of Building Construction | 4         |
| HLT/PED ELE   |     | Approved HLT/PED Elective   | 2         | HLTH/PE ELE  |      | Elective                              | 2         |
| ARC   | 122 | Architectural Drafting II*  | 3         | STEM   | 1ELE | Elective (Substitute for ENGT 111)    | 3         |
| ARC   | 221 | Architectural CAD Applications Software I*  | 3         | STEM   | 2ELE | Elective**                            | 3         |
| MEC   | 131 | Mechanics I – Statics for Engineering Tech*   | 3         | CET  | 200  | Statics                               | 3         |
| PHY   | 201 | General College Physics I*  | 4         | PHYS   | 111N | Introductory General Physics I        | 4         |
| Social Science  | ELE | Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in the category of Human Behavior   | 3         | HB   | 1REQ | Human Behavior Way of Knowing         | 3         |
| Social Science  | ELE | Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in the category of Interpreting the Past  | 3         | INTP   | 1REQ | Interpreting the Past Way of Knowing  | 3         |
| CAD   | 280 | Design Capstone Project*  | 3         | GNRL   | 2ELE | Elective**                            | 3         |
| MEC   | 132 | Mechanics II Strength of Materials*   | 3         | CET  | 220  | Strength of Materials                 | 3         |
| PHY   | 202 | General College Physics II*   | 4         | PHYS   | 112N | Introductory General Physics II       | 4         |
| Humanities Elective   |     | Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Philosophy and Ethics, Human Creativity, or Literature  | 3         | Liberal Arts Courses:<br>Literature, Philosophy and Ethics, or Human Creativity  |      |                                       | 3         |
| <b>Total Credits in AAS degree</b>  |     |   | <b>68</b> | <b>Transfer Credits from AAS Degree</b>  |      |                                       | <b>68</b> |
| <b>Additional Required Courses for BS Degree</b>  |     |   |           | <b>ODU Equivalency</b>   |      |                                       |           |
| CST   | 100 | Principles of Public Speaking* or CST 110*  | 3         | COMM   | 101R | Public Speaking                       | 3         |
| ENG   | 112 | College Composition II*   | 3         | ENGL   | 211C | English Composition                   | 3         |
| Humanities Elective   |     | Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture | 3         | Liberal Arts Courses:<br>Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture |      |                                       | 3         |
| CHM   | 111 | College Chemistry I*  | 4         | CHEM 121N/<br>122N   |      | Foundations of Chemistry I            | 4         |
| MTH   | 263 | Calculus I*   | 4         | MATH   | 211  | Calculus I                            | 4         |
| <b>Additional Credits Required</b>  |     |   | <b>17</b> |  |      |                                       | <b>17</b> |

|  |  |  |            | Requirements for BS to be Completed at ODU |      |  |           |
|--|--|--|------------|--|------|--|-----------|
| <p><b>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</b></p> <p><b>*Student must earn C or better for course to transfer.</b></p> <p><b>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:</b><br/> <a href="http://www.odu.edu/transfer/vccs">http://www.odu.edu/transfer/vccs</a></p> <p><b>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.</b></p> <p><b>**ARC 100, CAD 151, ARC 121, ARC 221, and CAD 280 will be used to fulfill 2 of the 5 CET Electives required.</b></p> |  |  |            | CET  | 301  | Structural Analysis  | 3         |
|  |  |  |            | CET  | 330  | Fluid Mechanics  | 3         |
|  |  |  |            | CET  | 340  | Soils and Foundations  | 3         |
|  |  |  |            | CET  | 341W | Soils Testing Lab<br>(grade of C or better required)                                       | 2         |
|  |  |  |            | CET  | 345W | Materials Testing Lab (grade of C or better required)                                      | 2         |
|  |  |  |            | CET  | 355  | Sustainable Building Practices   | 3         |
|  |  |  |            | ENGT                                       | 434  | Intro to Senior Project  | 1         |
|  |  |  |            | CET  | 440  | Contract Documents   | 3         |
|  |  |  |            | EET  | 305  | Advanced Technical Analysis  | 3         |
|  |  |  |            | MET  | 335W | Fluid Mechanics Lab<br>(grade of C or better required)                                     | 1         |
|  |  |  |            | ENMA                                       | 302  | Engineering Economics  | 3         |
|  |  |  |            | ENMA                                       | 480  | Ethics and Philosophy in Engineering Applications  | 3         |
|  |  |  |            | ENGN                                       | 401  | Fundamentals of Engineering Review   | 1         |
|  |  |  |            | CET 410 or 450                             |      | Reinforced Concrete Design or Structural Steel Design                                      | 3         |
|  |  |  |            | ENGT                                       | 435W | Senior Design Project (grade of C or better required)                                      | 3         |
|  |  |  |            | CET  | ELE  | Electives**  | 9         |
|  |  |  |            | EET  | 370T | Energy and the Environment   | 3         |
|  |  |  |            | Upper Division                             |      | General Education (one or more additional courses will be required to complete a minor)*** | 6         |
|  |  |  |            | <b>Total Credits to be Taken at ODU</b>    |      |  | <b>55</b> |
|  |  |  |            | <b>SUMMARY</b>                             |      |  |           |
| <b>Transfer Credits from AAS Degree</b>  |  |  | <b>68</b>  |  |      |  |           |
| <b>Additional Credits Required</b>   |  |  | <b>17</b>  |  |      |  |           |
| <b>Credits to be Taken at ODU</b>  |  |  | <b>55</b>  |  |      |  |           |
| <b>Total Credits</b>   |  |  | <b>140</b> |  |      |  |           |

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

  
 Signature \_\_\_\_\_ Date 1/11/19

Dr. Kellie C. Sorey  
 Associate Vice President for Academic Affairs  
 Tidewater Community College

  
 Signature \_\_\_\_\_ Date 1/30/19

Dr. Brian Payne  
 Vice Provost, Academic Affairs  
 Old Dominion University