<table>
<thead>
<tr>
<th>Virginia Western Community College Associate of Applied Science</th>
<th>Old Dominion University Bachelor of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDV 100 College Success Skills</td>
<td>1 UNIV 100 University Orientation 1</td>
</tr>
<tr>
<td>SDV 101 Orientation to Engineering and Mathematics</td>
<td>1 GNRL 1ELE Elective 1</td>
</tr>
<tr>
<td>CAD 111 Technical Drafting*</td>
<td>3 MET 120 Computer Aided Drafting 3</td>
</tr>
<tr>
<td>EGR 105 Intro to Problem Solving in Technology*</td>
<td>1 ENGN 1ELE Electives (Substitute for ENGN 110) 1</td>
</tr>
<tr>
<td>IND 230 Applied Quality Control*</td>
<td>3 STEM 2ELE 3</td>
</tr>
<tr>
<td>CAD 241 Parametric Solid Modeling*</td>
<td>3 MET 240 Computer Solid Modeling 3</td>
</tr>
<tr>
<td>MEC 113 Materials and Processes of Industry*</td>
<td>3 MET 200 Manufacturing Proc and Materials 3</td>
</tr>
<tr>
<td>MEC 119 Intro to Basic CNC and CAM*</td>
<td>3 STEM 231 Materials/Processes Technology 3</td>
</tr>
<tr>
<td>MEC 131 Mechanics I-Statics for Engineering Tech.*</td>
<td>3 CET 200 Statics 3</td>
</tr>
<tr>
<td>MEC 132 Mechanics II-Strength of Materials for ET*</td>
<td>3 CET 220 Strength of Materials 3</td>
</tr>
<tr>
<td>MEC 211 Machine Design I</td>
<td>4 STEM 323 Production Technology 4</td>
</tr>
<tr>
<td>CAD 226 Computer Aided Machining</td>
<td>3 STEM 2ELE Elective 3</td>
</tr>
<tr>
<td>CAD 242 Parametric Solid Modeling II*</td>
<td>3 MET 240 Computer Solid Modeling 3</td>
</tr>
<tr>
<td>EGR 216 Computer Methods in Eng and Technology*</td>
<td>3 ENGN 2ELE Elective (Substitute for ENGT 111) 3</td>
</tr>
<tr>
<td>ENG 111 College Composition I*</td>
<td>3 ENGL 110C English Composition 3</td>
</tr>
<tr>
<td>ETR 113 DC and AC Fundamentals I</td>
<td>4 EET 110 Electrical Circuits I 4</td>
</tr>
<tr>
<td>MTH 167 Pre-Calculus with Trigonometry*</td>
<td>5 MATH 163 Precalculus II 5</td>
</tr>
<tr>
<td>MTH 263 Calculus I*</td>
<td>5 MATH 211 Calculus I 5</td>
</tr>
<tr>
<td>ETR 237 Industrial Electronics</td>
<td>4 ENGN 2ELE Elective 4</td>
</tr>
<tr>
<td>SAF 127 Industrial Safety</td>
<td>2 -- -- No credit awarded 0</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>3 HC or PHIL 1REQ Human Creativity or Philosophy and Ethics Way of Knowing 3</td>
</tr>
<tr>
<td>PHY 201 General College Physics I*</td>
<td>4 PHYS 111N General Physics I 4</td>
</tr>
<tr>
<td>HIS 111 or 121 History of World Civilization or United States History I</td>
<td>3 INTP 1REQ or HIST 104H Interp. the Past Way of Knowing or Interp. American Past 3</td>
</tr>
<tr>
<td><strong>Total Credits for AAS Degree</strong></td>
<td><strong>70</strong></td>
</tr>
<tr>
<td><strong>Additional Required Coursework</strong></td>
<td><strong>ODU Equivalency</strong></td>
</tr>
<tr>
<td>ENG 112 College Composition II *</td>
<td>3 ENGL 211C English Composition II 3</td>
</tr>
<tr>
<td>Social Science ELE ECO 201, 202, GEO 200, 210, PLS 211, 212, PSY 200, 230, 235 or SOC 200</td>
<td>3 HB 1REQ Human Behavior Way of Knowing 3</td>
</tr>
<tr>
<td>CST 100 Principles of Public Speaking (or CST 105)*</td>
<td>3 COMM 101R Public Speaking 3</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>3 Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture 3</td>
</tr>
<tr>
<td>CHM 111 College Chemistry I*</td>
<td>4 CHEM 121N/122N Foundations of Chemistry 4</td>
</tr>
<tr>
<td>PHY 202 General College Physics II*</td>
<td>4 PHYS 112N General Physics II 4</td>
</tr>
<tr>
<td><strong>Additional Credits Required</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>
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: [https://www.odu.edu/newtransfer/letter-of-intent](https://www.odu.edu/newtransfer/letter-of-intent)

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.

### Requirements for BS to be Completed at ODU

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 350</td>
<td>Fund. of Electrical Tech.</td>
</tr>
<tr>
<td>EET 355</td>
<td>Electrical Laboratory</td>
</tr>
<tr>
<td>MET 300</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>MET 310</td>
<td>Dynamics</td>
</tr>
<tr>
<td>MET 320</td>
<td>Design of Machine Elements</td>
</tr>
<tr>
<td>CET 345W</td>
<td>Materials Testing Lab or MET 225 - Materials Science Lab for 1 credit</td>
</tr>
<tr>
<td>EET 305</td>
<td>Adv. Technical Analysis</td>
</tr>
<tr>
<td>MET 330</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>MET 335W</td>
<td>Fluid Mechanics Laboratory</td>
</tr>
<tr>
<td>MET 350</td>
<td>Thermal Applications</td>
</tr>
<tr>
<td>MET 370 &amp; 386</td>
<td>Automation and Controls &amp; Automation and Controls Lab</td>
</tr>
<tr>
<td>ENMA 480</td>
<td>Ethics and Philosophy in Engineering Applications</td>
</tr>
<tr>
<td>MET 387</td>
<td>Power and Energy Laboratory</td>
</tr>
<tr>
<td>ENGT 434</td>
<td>Intro to Senior Project</td>
</tr>
<tr>
<td>ENGN 401</td>
<td>Fund. of Engineering Review</td>
</tr>
<tr>
<td>ENGT 435W</td>
<td>Senior Design Project (grade of C or better required)</td>
</tr>
<tr>
<td>Senior Electives (MET)</td>
<td>12</td>
</tr>
<tr>
<td>Minor</td>
<td>Students must select from any minor in either the College of Engineering and Technology or the College of Sciences</td>
</tr>
</tbody>
</table>

### Credits to be Taken at ODU

63

### SUMMARY

- Transfer Credits from AAS Degree: 68
- Additional Credits Required: 20
- Credits to be Taken at ODU: 63
- Total Credits: 151

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Dr. Elizabeth Wilmer  
Vice President of Academic & Student Affairs  
Virginia Western Community College

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