

# Virginia Western Community College/Old Dominion University

2018-2019 Catalog

## ARTICULATION AGREEMENT

Associate of Applied Science in Mechatronics Systems Engineering Technology with General Education Courses to  
Bachelor of Science in Engineering Technology -Mechanical Engineering Technology

### Virginia Western Community College

### Old Dominion University

#### Associate of Applied Science

#### Equivalency

|     |     |  |   |      |      |                                       |   |
|-----|-----|--|---|------|------|---------------------------------------|---|
| CAD | 111 | Technical Drafting*                        | 3 | MET  | 120  | Computer Aided Drafting               | 3 |
| EGR | 216 | Computer Methods in Eng. & Technology*     | 3 | ENGN | 2ELE | Elective (sub. for ENGT 111)          | 3 |
| ENG | 111 | College Composition I*                     | 3 | ENGL | 110C | English Composition                   | 3 |
| ETR | 113 | DC and AC Fundamentals I                   | 4 | EET  | 110  | Electrical Circuits I                 | 4 |
| SDV | 100 | College Success Skills                     | 1 | UNIV | 100  | University Orientation                | 1 |
| SDV | 101 | Orientation to Engineering and Mathematics | 1 | GNRL | 1ELE | Elective                              | 1 |
| MTH | 167 | Pre-Calculus with Trigonometry*            | 5 | MATH | 163  | Pre-Calculus II                       | 5 |
| EGR | 105 | Intro to Problem Solving in Technology*    | 1 | ENGN | 1ELE | Elective (sub. for ENGN 110)          | 1 |
| CAD | 241 | Parametric Solid Modeling*                 | 3 | MET  | 240  | Computer Solid Modeling               | 3 |
| MEC | 113 | Materials and Processes of Industry*       | 3 | MET  | 200  | Manufacturing Processes and Materials | 3 |
| MEC | 131 | Mechanics I-Statics for Engr. Technology*  | 3 | CET  | 200  | Statics                               | 3 |
| MEC | 162 | Applied Hydraulics and Pneumatics          | 2 | ENGN | 1ELE | Elective                              | 2 |

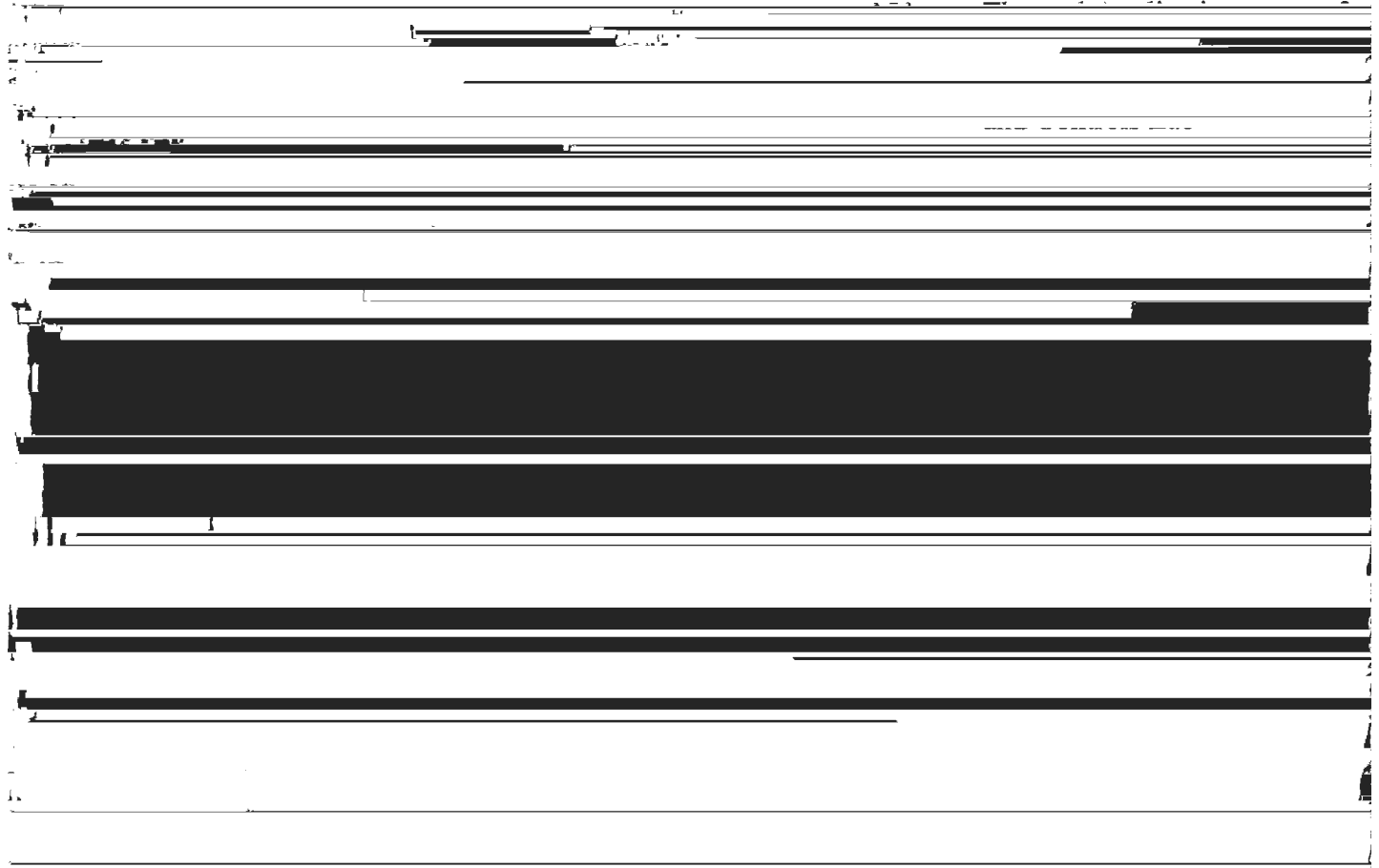
|     |     |  |   |      |      |                       |    |
|-----|-----|--|---|------|------|-----------------------|----|
| ETR | 237 | Industrial Electronics I   | 4 | ENGN | 2ELE | Elective              | 4  |
| IND | 250 | Intro to Basic Computer Integrated Manuf.  | 3 | STEM | 2ELE | Elective              | 3  |
| MEC | 132 | Mechanics II-Strength of Materials*  | 3 | CET  | 220  | Strength of Materials | 23 |
| PHY | 201 | General College Physics I*   | 4 | PHYS | 111N | General Physics I     | 4  |
|     |     | Choose one course from ODU's Transfer<br>Guide <a href="http://www.odu.edu/transfer/vccs-">http://www.odu.edu/transfer/vccs-</a> |   |      |      | Human Behavior Way of |    |

**Requirements for BS to be Completed at ODU**

|     |      |   |   |
|-----|------|---|---|
| EET | 350  | Fund. of Electrical Tech.   | 3 |
| EET | 355  | Electrical Laboratory   | 1 |
| MET | 300  | Thermodynamics  | 3 |
| MET | 310  | Dynamics  | 3 |
| MET | 320  | Design of Machine Elements  | 3 |
| CET | 345W | Materials Testing Lab or MET 225 – Materials Science Lab for 1 credit | 2 |
| EET | 305  | Adv. Technical Analysis   | 3 |
| MET | 330  | Fluid Mechanics   | 3 |
| MET | 335W | Fluid Mechanics Laboratory  | 1 |

**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.**



Signature

*Elizabeth Wilmer*

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

Signature

*2/13/19*

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