

Piedmont Community College/Old Dominion University

2019-2020 Catalog

ARTICULATION AGREEMENT

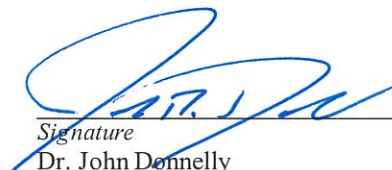
Associate of Applied Science in Industrial Electronics Technology


Bachelor of Science in Engineering Technology-Electrical Engineering Technology

(Communication Systems, Mechatronics Systems, Embedded Systems, or Power Systems Concentration)

| Piedmont Community College Associate of Applied Science | | | | Old Dominion University Bachelor of Science in Engineering Technology | | | |
|--|---------|--|-----------|---|------|--|-----------|
| ENG | 111 | English I* | 3 | ENGL | 110C | English Composition | 3 |
| ENG | 112 | English II* | 3 | ENGL | 211C | English Composition | 3 |
| MTH | 263 | Calculus I* | 4 | MATH | 211 | Calculus I | 4 |
| SDV | 100 | College Success Skills | 1 | UNIV | 100 | University Orientation | 1 |
| SAF | 130 | Industrial Safety | 1 | GNRL | 1ELE | Elective | 1 |
| IND 103, 250, & 251 | | Industrial Methods, Intro to Bsc Cmptr Integ Manu*, and Automated Manu Sys I* | 7 | STEM 1ELE, ENGN 110, & STEM 2ELE | | Elective, Intro to Engineering, and Elective (Substitute IND 251 for ENGT 111) | 7 |
| IND | 113 | Materials & Processes | 3 | MET | 200 | Manufacturing Processes | 3 |
| ETR | 113 | DCAC Fundamentals I* | 4 | EET | 110 | Electrical Circuits I | 4 |
| MEC 155 & 161 | | Mechanisms, Fluid Power | 6 | ENGN | 1ELE | Electives | 6 |
| ETR | 156 | Digital Circuits and Microp. Fundamentals* | 4 | EET 120 & 125 | | Logic Circuits/Microp. and Lab | 4 |
| ETR 237 & 238 | | Industrial Electronic I/II | 6 | ENGN | 2ELE | Electives | 6 |
| Humanities Elective | | Choose one course from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in any of the following categories: Philosophy and Ethics, Human Creativity, or Literature | 3 | Liberal Arts Courses: Literature, Philosophy and Ethics, or Human Creativity | | | 3 |
| Social Science Elective | | Choose one course from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in the category of Human Behavior | 3 | HB | 1REQ | Human Behavior Way of Knowing | 3 |
| ETR | 203 | Electronic Devices I* | 4 | EET 210 & 225 | | Electronic Devices and Lab | 4 |
| ETR | 241 | Electronic Communication I | 3 | ENGN | 2ELE | Elective | 3 |
| ETR 140, ELE 239 & CAD 151 | | Intro to Mechatronics*, Programmable Controllers*, & Engineering Drawing Fundamentals I* | 9 | ENGN 1ELE, STEM 242, & MET 120 | | Substitute for MET 426-Intro to mechatronics if Mechatronics option is chosen (for agreement only) | 9 |
| ETR | 290 | Internship | 3 | GNRL | ELE | Elective | 3 |
| Total Credits in AAS degree | | | 67 | Transfer Credits from AAS Degree | | | 67 |
| Additional Required Courses for BS Degree | | | | ODU Equivalency | | | |
| ETR | 114 | DC and AC Fundamentals II* | 4 | EET 200 & 205 | | Electrical Circuits II and Lab | 4 |
| PHY | 201 | Physics I* | 4 | PHYS | 111N | Introductory General Physics I | 4 |
| PHY | 202 | Physics II* | 4 | PHYS | 112N | Introductory General Physics II | 4 |
| CST | 100/105 | Public Speaking* | 3 | COMM | 101R | Public Speaking | 3 |
| CHM | 111 | Chemistry I* | 4 | CHEM 121N/122N | | Found of Chemistry I and Lab | 4 |
| Social Science or Humanities Electives | | Choose two courses from ODU's Transfer Guide (http://www.odu.edu/transfer/vccs-transfer-guide.html) in any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture | 6 | Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture | | | 6 |
| Additional Credits Required | | | 25 | | | | 25 |

| <p>*Indicates a departmental requirement at ODU. Must earn a C or better at PVCC 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.</p> <p>***The ODU B.S.E.E.T. degree requires students complete an approved engineering, engineering technology, math or science minor.</p> <p>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</p> <p>Dominion University's website to complete the Letter of Intent: http://www.odu.edu/transfer/vcecs</p> <p>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 or the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</p> | Requirements for BS to be Completed at ODU | | | |
|---|--|------|---|----------------|
| | EET | 261 | Intro to Microp. & Microcon. | 3 |
| | EET | 300 | Advanced Circuit Analysis | 3 |
| | EET | 305 | Advanced Technical Analysis | 3 |
| | EET | 310 | Digital Electronics | 3 |
| | EET | 315 | Digital Electronics Laboratory | 2 |
| | EET | 320 | Microprocessors and Microcontrollers | 3 |
| | EET | 325 | Microprocessor Lab. | 2 |
| | EET | 330 | Linear Electronics | 3 |
| | EET | 363 | Intro to PLC | 3 |
| | EET | 335 | Linear Electronics Lab | 2 |
| | EET | 373 | Instrumentation | 3 |
| | ENGT | 434 | Intro. to Senior Project | 1 |
| | EET | 370T | Energy and the Env. | 3 |
| | ENGT | 435W | Senior Project (Grade of C or better required) | 3 |
| | ENMA | 480 | Ethics and Philosophy in Engineering Applications | 3 |
| | EET Senior Electives | | | 6 |
| | Concentration Specific Courses | | | 6-7 |
| | Minor courses | | | 9-12 |
| | Credits to be Taken at ODU | | | 61-65 |
| | SUMMARY | | | |
| | Transfer Credits from AAS Degree | | | 67 |
| | Additional Credits Required | | | 25 |
| | Credits to be Taken at ODU | | | 61-65 |
| | Total Credits | | | 153-157 |


4/17/20
Signature _____ Date _____
Dr. John Donnelly
Vice President for Instruction and Student Services
Piedmont Virginia Community College


4-17-20
Signature _____ Date _____
Dr. Brian Payne
Vice Provost, Academic Affairs
Old Dominion University