

John Tyler Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science in Architectural Engineering Technology

with General Education Courses to

Bachelor of Science in Engineering Technology -Civil Engineering Technology Program

| John Tyler Community College Associate of Applied Science | | | | Old Dominion University Equivalency | | | |
|--|-----|--|-----------|--|------|---|-----------|
| MTH | 161 | PreCalculus I* | 3 | MATH | 162M | PreCalculus I | 3 |
| MTH | 162 | PreCalculus II* | 3 | MATH | 163 | PreCalculus II | 3 |
| ARC 221-222 | | Architectural CAD Applications Software I* & II* | 6 | CET 120 and ENGN 2ELE | | Computer-Aided Drafting and Elective** | 6 |
| CST | 100 | Principles of Public Speaking* | 3 | COMM | 101R | Public Speaking | 3 |
| ARC 121-122 | | Architectural Drafting I*-II* | 6 | STEM | 1ELE | Elective (Substitute for ENGN 110 & ENGT 111) | 6 |
| ARC | 258 | Building Codes, Contract Documents and Professional Office Practices* | 3 | STEM | 2ELE | Elective** | 3 |
| ARC | 243 | Environmental Systems* | 4 | STEM | 2ELE | Elective** | 4 |
| ENG | 111 | College Composition I* | 3 | ENGL | 110C | English Composition | 3 |
| SDV | 101 | Orientation to STEM | 1 | UNIV | 100 | University Orientation | 1 |
| MEC | 270 | Computations for Engineering Technology* | 3 | ENGN | 2ELE | Elective** | 3 |
| CIV | 171 | Surveying I* | 3 | CET | 205 | Principles of Surveying | 3 |
| MEC | 131 | Mechanics I – Statics for Engineering Technology* | 3 | CET | 200 | Statics | 3 |
| Social Behavioral Science Elective | | ECO 201, 202, PSY 200, 230, or SOC 200 | 3 | HB | 1REQ | Human Behavior Way of Knowing | 3 |
| ARC | 231 | Advanced Architectural Drafting I* | 4 | STEM | 2ELE | Elective** | 4 |
| ARC | 232 | Advanced Architectural Drafting II* | 4 | STEM | 2ELE | Elective (substitute for CET 260) | 4 |
| ARC | 246 | Materials and Methods of Construct.* | 4 | CET | 210 | Fund. of Building Construct. | 4 |
| CHM | 111 | College Chemistry I* | 4 | CHEM.121N/122N | | Foundations of Chemistry | 4 |
| ART 101, 102, or PHI 220 | | History and Appreciation of Art I, History and Appreciation of Art II, or Ethics | 3 | HC 1 REQ or PHIL.230E | | Human Creativity or Ethics | 3 |
| Total Credits for AAS degree | | | 63 | Transfer Credits from AAS Degree | | | 63 |
| Additional Required Courses for BS Degree | | | | ODU Equivalency | | | |
| MEC | 132 | Mechanics II- Strength of Materials for Engineering Technology* | 3 | CET | 220 | Strength of Materials | 3 |
| Social Science, Fine Arts 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 |
| ENG | 112 | College Composition II* | 3 | ENGL | 211C | English Composition | 3 |
| PHY 201/202 | | General College Physics I and II* | 8 | PHYS 111N/112N | | General Physics I and II | 8 |
| MTH | 263 | Calculus I* | 4 | MATH | 211 | Calculus I | 4 |
| Additional Credits Required | | | 24 | | | | 24 |

| Requirements for BS to be completed at ODU | | | |
|---|------|--|------------|
| CET | 301 | Structural Analysis | 3 |
| CET | 330 | Fluid Mechanics | 3 |
| CET | 340 | Soils and Foundations | 3 |
| CET | 341W | Soils Testing Lab (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 (grade of C or better required) | 1 |
| ENMA | 480 | Ethics and Philosophy in Engineering Applications | 3 |
| ENMA | 302 | Engineering Economics | 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 |
| Credits to be Taken at ODU | | | 55 |
| SUMMARY | | | |
| Transfer Credits from AAS Degree | | | 63 |
| Additional Credits Required | | | 24 |
| Credits to be Taken at ODU | | | 55 |
| Total Credits | | | 142 |

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:

<http://www.odu.edu/transfer/vccs>

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.

****ARC 222, ARC 258, ARC 243, MEC 270, ARC 231, will be used to fulfill 2 of the 5 CET Electives required.**

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



 Signature Date 1/25/19

Edward E. Raspiller, Ed.D.
 President
 John Tyler Community College



 Signature Date 2/13/19

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