

Tidewater Community College/Old Dominion University

2014-2015 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)

| Tidewater Community College AAS in Computer-Aided Drafting and Design Technology Specialization: Architectural Drafting and Design Tech. | | | | Old Dominion University BS in Engineering Technology Civil Engineering Technology | | | |
|---|-----|---|-----------|--|------|---------------------------------------|-----------|
| Major | | | | Major | | | |
| 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 Computerized Aided Drafting | 4 |
| ENG | 111 | College Composition I* | 3 | ENGL | 110C | English Composition | 3 |
| MTH | 163 | 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 | 3 |
| CAD | 202 | Computer Aided Drafting and Design II* | 4 | ENGN | ELE | Elective (Substitute for ENGN 110) | 4 |
| MTH | 164 | Precalculus II* | 3 | MATH | 163 | Precalculus II | 3 |
| Approved Technical Elective | | ARC 246-Materials and Methods of Construction* | 4 | CET | 210 | Fundamentals of Building Construction | 3 |
| 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 | ECO 201, 202, GEO 210, PLS 211, 212, 241, PSY 200, 201, 202, 230, 231, 232, 235, SOC 200, 201, 202, or 211* | 3 | HB | 1REQ | Human Behavior Way of Knowing | 3 |
| Social Science | ELE | HIS 101, 102, 111, 112, 121 or 122* | 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 |
| HUM | ELE | ENG 125, 241, 242, 243, 244, 251, 252 or 253* | 3 | LIT | 1REQ | Literature Way of Knowing | 3 |
| Total in AAS degree | | | 68 | Total Transfer for ODU degree | | | 67 |
| Additional Required Courses | | | | Additional General Education | | | |
| 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 |
| HUM | ELE | ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122* | 3 | HC | 1REQ | Human Creativity Way of Knowing | 3 |
| CHM | 111 | College Chemistry I* | 4 | CHEM 121N/ 122N | | Foundations of Chemistry I | 4 |
| MTH | 173 | Calculus with Analytic Geometry I* | 5 | MATH | 211 | Calculus I | 5 |
| Total Additional Credits | | | 18 | Total Additional Credits | | | 18 |
| Total credits earned at TCC | | | 86 | Total credits transferred to ODU | | | 85 |

| | | | | |
|--|--|--|---|------------|
| <p>The lower division general education Language and Culture and Impact of Technology requirements will be satisfied by completion of all courses outlined in this program agreement.</p> <p>Information Literacy and Research and Philosophy and Ethics are met through the major.</p> <p>*Student must earn C or better for course to transfer.</p> <p>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</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 and the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</p> | Additional Old Dominion University Requirements | | | |
| | CET | 301 | Structural Analysis | 3 |
| | CET | 330 | Fluid Mechanics for Civil Engineering Technology | 3 |
| | CET | 340 | Soils and Foundations | 3 |
| | CET | 341W | Soils Testing Lab (grade of C or better required) | 2 |
| | CET | 345W | Materials Testing Lab | 2 |
| | CET | 355 | Sustainable Building Practices | 3 |
| | CET | 360 | Plans and Specifications | 3 |
| | CET | 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 | 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 |
| | CET | 475 | Senior Design Project | 3 |
| | CET | ELE | Electives | 15 |
| Upper Division | | General Education (one or more additional courses will be required to complete a minor)*** | 6 | |
| Total Credits to be Taken at ODU | | | 61 | |
| Total Transfer Credits from Community College | | | | 85 |
| Total Credits to be Taken at ODU | | | | 61 |
| Total Credits for Degree at ODU | | | | 146 |
| SUMMARY | | | | |

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.

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

Signature

Date

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

Signature

Date

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