

Tidewater Community College/Old Dominion University

2017-2018 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science, Computer-Aided Drafting and Design Technology

Specialization: Architectural Drafting and Design Technology

with General Education Courses to

Bachelor of Science in Engineering Technology (Mechanical Engineering Technology)

Tidewater Community College AAS in Computer-Aided Drafting and Design Technology Specialization: Architectural Drafting and Design Technology				Old Dominion University Equivalency			
ARC	100	Introduction to Architecture*	3	STEM	1ELE	Elective (Substitute for ENGN 110)	3
CAD	151	Engineering Drawing Fundamentals I	3	STEM	1ELE	Elective	3
CAD	201	Computer Aided Drafting and Design I*	4	MET	120	Computer 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 Proc. I*	3	ENGN	ELE	Elective	3
CAD	202	Computer Aided Drafting and Design II*	4	ENGN	ELE	Elective (Substitute for ENGT 111)	4
MTH	164	Precalculus II*	3	MATH	163	Precalculus II	3
Approved Technical Elective		CAD 241 – Parametric Solid Modeling I*	3	MET	240	Computer Solid Modeling	3
HLT/PED ELE		Approved HLT/PED Elective	2	HLTH/PE ELE		Health or PE Elective	2
ARC	122	Architectural Drafting II	3	STEM	1ELE	STEM Elective	3
ARC	221	Architectural CAD Applications Software I	3	STEM	2ELE	STEM Elective	3
MEC	131	Mechanics I – Statics for Engn. Tech. *	3	CET	200	Statics	3
PHY	201	General College Physics I*	4	PHYS	111N	Introductory General Physics I	4
Social Science	ELE	ECO 120, 201, 202, GEO 210, PLS 211, 212, 241, PSY 200, 201, 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	STEM	2ELE	STEM 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
Humanities Elective		ENG 125, 241, 242, 243, 251, 252, or 253, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122	3	Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity			3
Total Credits in AAS degree			67	Transfer Credits from AAS Degree			67
Additional Required Courses for BS Degree				ODU Equivalency			
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
Social Science or Humanities Elective		ENG 125, 241, 242, 243, 251, 252, or 253, HIS 101, 102, 111, 112,121, or 122, PHI 101, 102, 111, 220, 226 or REL 230, CST 141, HUM 201, 202, 260, MUS 121 or 122, or Foreign Lang. Level I or II	3	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			3
CHM	111	College Chemistry I*	4	CHEM 121/122N		Foundations of Chemistry	4
IND	115	Materials and Processes of Industry*	4	MET	200	Manufacturing Processes & Methods	4
MTH	173	Calculus with Analytic Geometry I*	5	MATH	211	Calculus I	5
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3
MEC	111	Materials for Industry*	3	STEM	221	Industrial Materials	3
Additional Credits Required			25				25

<p>Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.</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 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	305	Adv. Technical Analysis	3
	EET	350	Fund. of Electrical Tech.	3
	EET	355	Electrical Laboratory	1
	CET 345W Materials Testing Laboratory (online-2cr) OR MET 225 Materials Testing Laboratory (on-campus, 1cr)			1/2
	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
	MET	330	Fluid Mechanics	3
	MET	335W	Fluid Mechanics Laboratory	1
	MET	350	Thermal Applications	3
	MET	370	Automation & Controls	3
	MET	386	Automation & Controls Laboratory	1
	MET	387	Power & Energy Laboratory	2
	ENGT	434	Intro to Senior Project	1
	MET	XXX	Senior Electives	12
	ENGT	435W	Senior Design Project	3
	ENGN	401	Fund. of Engineering Review	1
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
	***Minor	XXX		12
Credits to be Taken at ODU			62/63	
Transfer Credits from AAS Degree			67	
Additional Credits Required			25	
Credits to be Taken at ODU			62/63	
Total Credits			154/155	

*Departmental requirement, student must earn a C or better at TCC 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.

***The ODU B.S.M.E.T. degree requires students complete an approved engineering, engineering technology, math or science minor.

This agreement is effective upon its approval on February 18, 2018 by TCC's Vice President for Academic Affairs and ODU's Vice Provost, Academic Affairs:

Dr. Kellie Sorey, TCC

Dr. Brian Payne, ODU