

# Thomas Nelson Community College/Old Dominion University

2018-2019 Catalog

## ARTICULATION AGREEMENT

Associate of Science, Math Education to Bachelor of Science Mathematics,  
Virginia Teacher Licensure with Monarch Teach Courses

Thomas Nelson Community College Associate of Science in Math Education				Old Dominion University Equivalency			
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3
SDV	101	Orientation to Teaching	1	UNIV	100	University Orientation	1
MTH	161	Precalculus I*	3	MATH	162M	PreCalculus I	3
CST	100	Principles of Public Speaking	3	COMM	101R	Public Speaking	3
Humanities Elective	Ele	Humanities Elective	3				3
History Electives		History Electives	3	To meet Lower-Division General Education Package			3
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3
MTH	162	Precalculus II*	3	MATH	163	PreCalculus II	3
History Electives		History Electives	3	To meet Lower-Division General Education Package			3
Wellness	Elective	Wellness Elective	2	PE	ELE	Physical Ed Elective	2
Humanities Elective	Humanities Elective	Humanities Elective	3	To meet Lower-Division General Education Package			3
EDU	200	Intro to Teaching and Profession**	3	Monarch Teach Courses: TLED 195**, STEM 101** and STEM 102**			3
MTH	263	Calculus I*	4	MATH	211	Calculus I	4
		Transfer Elective (cross register for STEM 201 at ODU)	3				3
PHY	201	General College Physics*	4	PHYS	111N	Intro General Physics	4
Social Science Elective		Social Science Electives3	3	To meet Lower-Division General Education Package			3
PHY	202	General College Physics II*	4	PHYS	112N	Intro General Physics	4
MTH	264	Calculus II*	4	MATH	212	Calculus II	4
CSC	201	Computer Science I* (Substitute 3 credit computer science course for this 4-credit programming course)	4	CS	150	Intro to Programming In C++	4
Social Science Elective		Social Science Elective	3	To meet Lower-Division General Education Package			3
<b>Total Credits for AS Degree</b>			<b>62</b>	<b>Transfer Credits from AS Degree</b>			<b>62</b>

Requirements for BS to be taken at ODU			
MATH	307	Ordinary Differential Equations	3
MATH	311W	Abstract Algebra	3
MATH	312	Calculus III	4
MATH	316	Introductory Linear Algebra	3
MATH	317	Calculus IV/Intro Analysis	3
STAT	330 or 331	Intro to Probability & Statistics or Theory of Probability	3
STAT	310 or 431	Intro to Data Analysis or Theory of Statistics	3
MATH	400	Math to the time of Newton	3
MATH	404	Geometry	3
MATH	406	Number Theory & Discrete Math	3
MATH	417 or 422	Intermediate Real Analysis I or Applied Complex Variables	3
MATH	Electives	Mathematical Electives	6
STEM	201	Knowing and Learning in STEM Education	3
STEM	202	Classroom Interactions in STEM Ed.	3
STEM	401	Project Based Instruction in STEM Ed.	3
SCI	468	Research Methods in Math & Science	3
MATH	375	Advanced Concepts for Secondary Ed	3
STEM	402	Perspectives on Science & Math	3
STEM	485	Apprentice Teaching	9
<b>Credits to be taken at ODU</b>			<b>64</b>
<b>SUMMARY</b>			
<b>Transfer Credits from AAS Degree</b>			<b>62</b>
<b>Credits to be taken at ODU</b>			<b>64</b>
<b>Total Credits</b>			<b>126</b>

**\*Indicates a departmental requirement at ODU, not automatically satisfied by completion of articulation agreement. Student must earn a C or better.**

**\*\* Students will cross-register through the Tidewater Consortium to enroll in the Monarch Teach courses offered by ODU at the Peninsula Higher Education Center.**

**The lower division general education requirements will be met by completion of all courses outlined in this program agreement.**

**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](http://admissions.odu.edu) for more information regarding guaranteed admission to Old Dominion University.**

*Susan English* 7/10/19  
Signature Date

Dr. Susan English  
Vice President for Academic Affairs  
Thomas Nelson Community College

*Brian Payne* 7/12/19  
Signature Date

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