Thomas Nelson Community College/Old Dominion University

2018-2019 Catalog

ARTICULATION AGREEMENT

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

		s Nelson Community College e of Science in Math Education		Old Dominion University Equivalency				
ENG	111	College Composition I*	3	ENGL	110C	English Composition	3	
SDV	100	Orientation	1	UNIV	100	University Orientation	1	
MTH	161	Precalculus I*	3	MATH	162M	PreCalculus I	3	
CSC	201	Computer Science I* (Substitute 3 credit computer science course for this 4-credit programming course)	4	CS	150	Intro to Programmin In C++	4	
Wellne	ess Elective	Elective	2		ELE	Elective	2	
ENG	112	College Composition II*	3	ENGL	211C	English Composition	3	
MTH	162	Precalculus II*	3	MATH	163	PreCalculus II	3	
MTH	263	Calculus I*	4	MATH	211	Calculus I	4	
MTH	264	Calculus II*	4	MATH	212	Calculus II	4	
МТН	267	Differential Equations*(used for free elective)	3	MATH	307/28	0 Ord. Differential Equations	3	
CST	100	Principles of Public Speaking	3	COMM	101R	Public Speaking	3	
History Electives History Electives		6	To meet Lower-Division General Education Package		6			
EDU	200	Intro to Teaching and Profession*	3	Monarch Teach Courses: TLED 195, STEM 101 and STEM 102			3	
PHY	241	Gen Univ. Physics or Univ. Physics I*	4	PHYS	231N	University Physics I	4	
PHY	242	Gen Univ. Physics or Univ. Physics II*	4	PHYS	232N	University Physics II	4	
	Humanities Elective Humanities Elective		6	To meet Lower-Division General Education Package		6		
Social Science Electives Social Science Electives			6	To meet Lower-Division General Education Package		6		
		Credits for AS Degree	62	Transfer Credits from AS Degree			62	
<i>E</i>	Additional Ro	equired Courses for BS Degree (offere	d at	TNCC)	OI	OU Equivalency		
СНМ	111	General Chemistry I*	4	CHEM 121		Found. of Chemistry I and Lab	4	
CHM	112	General Chemistry II*	4	CHEM 123N/124N Found. of Chemistry II and Lab		4		
NAS	131 or 132	Astronomy I* or II*	4	PHYS	103N or 104N	Introductory Astronomy I or II	4	
Additional Credits Required			12				12	

	Requirements for BS to be taken at ODU				
	PHYS	323	Modern Physics I	3	
	PHYS	355	Math Methods	3	
*Indicates a departmental requirement at ODU, not automatically satisfied by completion of	PHYS	319	Analytical Mechanics	3	
articulation agreement. Student must earn a C or	PHYS	425	Electromagnetism I	3	
better.	PHYS	303	Intermediate Experimental Physics	3	
	PHYS	413	Methods of Exp. Physics	3	
The lower division general education requirements	PHYS	120 or 309	Physics in the 21 st Century or Physics on the Back of an Envelopme		
will be met by completion of all courses outlined in this program agreement.	PHYS	499W or (489W& 490W)	Senior Thesis, or Senior Thesis I & II	3	
Old Dominion University's website to complete The Letter	STEM	201	Knowing and Learning in STEM Ed.	3	
of Intent:	STEM	202	Classroom Interactions in STEM Ed.	3	
http://www.oud.edu/transxer/vees	STEM	401	Project Based Instruction in STEM Ed.	3	
	PHYS	468W	Research Methods in Math & Science	3	
Completion of this articulation agreement alone does not guarantee admission to Old Dominion University. All	STEM	402	Perspectives on Science & Math	3	
students must meet the requirements set by the Office of		485	Apprentice Teaching	9	
(GAA). Please visit admissions.odu.edu for more		Credits to be taken at ODU			
students must meet the requirements set by the Office of Admissions and the Guaranteed Admissions Agreement			SUMMARY		
Dominion Oniversity.	PHYS 425 Electromagnetism I	Credits from AAS Degree	62		
		12			
	Credits to be taken at ODU				
			Total Credits	120	

Swa Ouglish 7/10/19
Signature Date

Dr. Susan English Vice President for Academic Affairs Thomas Nelson Community College Dr. Brian Payne Vice Provost, Academic Affairs Old Dominion University

Signature

7/12/19

Date