B. S. Mathematics

Math Secondary School Teacher Option Curriculum Sheet

I LOWER DIVISION REQUIREMENTS							III SENIOR MATH COURSES				
Subj	Course	Cr	Grade	Comments *See notes overleaf		Subj	Course	Cr	Grade	Comments	
Engl	С	3		English Composition 110C		Math	400	3		Mathematics to the Time of Newton and Leibniz	
Engl	С	3		English 211C, 221C, or 231C		Math	404	3		Geometry	
Engl	L	3		Literature 112L or 114L or FLET 100L		Math	406	3		Number Theory & Discrete Math	
Hist	Н	3		100H, 101H, 102H, 103H, 104H, 105H		Math		3		Math 417 or 422	
	G	3		Information Literacy and Research CS 121G				3		Two Math or	
Phil & Ethics	P E	3		Philosophy 110P, 120P, 140P,230E, 250E,303E, 344E, 345E, 441E, 442E				3		Statistics electives	
	A	3		See Note 2. Human Creativity							
	N	4		Nature of Science		[Computer Science Add-On is possible]					
	N					dvisor:					
				Elicouruged to take Tilys 2311 2321	Meet with Teacher Education Advisor:						
	T	3		TLED 430 will satisfy.		Room 152 Educ. Bldg. Tel: 683-3348					
Comm	R	3		Communications 101R, 103R, 112R, 126R		IV EDUCATION COURSES					
	S	3		Human Behavior See Note 4.		Subj	Course	Cr	Grade	Comments	
	F	3		Foreign Language Requirement.		TLED	301*	3		Social and Cultural Foundations of Education	
	F	3		See Note 5. for details.		TLED	430	3		Educational Applications of Technology	
Math	M	3		Math 162 or Math 166		SPED	313	3		Human Growth and Development	
Math	163	3		Precalculus II		TLED	360	2		Classroom Management and Discipline	
C.S.	150	4		Introduction to Programming		SPED	406	3		The Special Needs Student	
						TLED	408	3		Reading and writing in Content Area	
						STEM	453**	3		Developing Instructional Strategies, Mathematics in Grades 6 - 12	
II CORE COURSES A grade of C+ or better is required in each core course						TLED	483	1		Practicum Seminar	
Subj	Course		Grade	Comments		TLED	485	12		Student Teaching (Take PRAXIS II)	
Math	211*	4		Calculus I						,	
Math	212	4		Calculus II						n, continuance, and exit requirement for teacher S GPA overall and 2.75 in the academic major.	
Math	307	3		Ordinary Differential Equations					cation cou	es in the academic major and professional edu- urses in which the student has made below a C-	
Math	311UW	3		Abstract Algebra I						cepted for admission, continuance, and exit resis in the College of Education.	
Math	312	4		Calculus III					Education	en College of Education to learn more about Core courses.	
Math	316	3		Introductory Linear Algebra					Darden C	ollege of Education phone: 683-3283	
Math	317	3		Calculus IV Introductory Analysis		** Must apply to Teacher Education prior to enrolling in STEM 453. **Must pass Praxis I and have scores turned into Teacher Ed Services (683-3348, EDUC 152) prior to enrolling in STEM 453.					
Stat		3		Stat 330 OR 331							
Stat		3		Stat 310 OR 431		* You a	are require	ed to	take Prax	kis I during TLED 301.	
ale.				and Math 162 an Math 166							

* prerequisites: Math 162M and Math 163 or Math 166

Overleaf for Applied Math / Math Secondary Options

Please refer to the catalog for more detailed information.

I LOWER DIVISION REQUIREMENTS

- 1 Students enrolled in the Academic Honors Program are eligible to enroll in other courses that satisfy Lower Division General Education requirements. See the catalog for more details.
- 2 One of the following courses must be selected:

ART 121A, ART 122A MUSC 264A **DANC 185A THEA 241A** COMM/THEA 270A

3 Two courses in different sciences can be chosen, but two first halves of sequences in the same science cannot be chosen BIOL 105N-106N, 108N-109N, 115N-116N CHEM 105N-106N, 107N-108N, 121N-122N, 123N-124N, 137N-138N

OEAS 106N-107N, 110N or 111N, 112N PHYS 101N-102N, 103N-104N, 111N-112N, 231N-232N

4 One course from:

ANTR 110S GEOG 100S, 101S COMM 200S POLS 100S, 101S, 102S CRJS 215S PSYC 201S, 203S ECON 200S, 201S, 202S SOC 201S **FIN 210S WMST 201S**

5 Students who complete three high school credits in one foreign language or two high school credits in each of two languages are exempt from this requirement. Students who have some foreign language experience but are not exempt from this requirement, may only need to take one course if a score on the CEEB Foreign Language Achievement Test so indicates. All others must take a 101F-102F sequence in any available foreign language.

Any student who graduated from high school prior to June, 1986 is exempt from this requirement. Non-native speakers of English who were required to meet University TOEFL requirements are also exempt from this requirement.

Please consult the catalog for complete details.

II CORE COURSES

- 1 MATH 211-212 is the freshman calculus sequence. It is a prerequisite to all other math courses.
- 2 MATH 307, 312 may be taken in either order or at the same
- 3 STAT 331-431 is a two-semester statistics sequence. STAT 331 is only offered in the Fall semester, and is a prerequisite for STAT 431. STAT 431 is only offered in the Spring mester. This sequence should be started immediately after completion of MATH 312, or concurrently with MATH 312. Students can get an earlier start in their Stat requirements by taking the sequence STAT 310-330.

Virginia Community College Transfer Guide

A student who has been awarded an associates degree (A.A., A.S., or A.A. & S.) from a Virginia community college will be considered to have met Old Dominion University's lower-division general education requirements. Otherwise, Math courses from a community college transfer in according to the following table.

MATHEMATICS (MTH)

TRANSFERABLE COURSES AT 2000-2002 OLD DOMINION VIRGINIA COMMUNITY COLLEGESUNIVERSITY EQUIVALENTS

MTH 146	STAT 130M
MTH 157	STAT 130M
MTH 158	MATH 102M
MTH 163-164	MATH 162M-163
MTH 166	MATH 166
MTH 173-174	MATH 211-212
MTH 240	STAT 130M
MTH 241	STAT 130M
MTH 270	MATH 200
MTH 271	MATH 200

NOTE: All other 100 and 200 level MTH courses are transferable as lower level math electives. Students should be aware that community college mathematics courses will not transfer to Old Dominion University at or above the 300 level and, in particular, will not convey upper-division General Education mathematics credit.