

HOLLINS UNIVERSITY
 MATHEMATICS MAJOR [B.S.]
 DATA SCIENCE CONCENTRATION
 2021-2022 CATALOG

Name: _____ Class Year: _____

Student ID: _____ Advisor: _____

19 courses: 60-62 credits

Credits	Dept	Number	Course Title	Credits Earned	Term Completed	Grade	GPA Points
6	MATH	241	Calculus I				
4	MATH	242	Calculus II				
2	MATH	246	Laboratories for Mathematical Experimentation				
4	MATH	255	Methods of Matrices and Linear Algebra				
4	MATH	310	A Transition to Advanced Mathematics				
4	MATH	316	Several-Variable Calculus				
4	STAT	251	Statistical Methods				
One 300-level MATH course in algebra							
2							
One 300-level MATH course in analysis							
2							
Two 300-level courses in MATH, STAT, or CMPS							
2							
2							
4	CMPS	160	Applied Computing I with Python				
4	CMPS	217	Data Structures				
4	CMPS	260	Applied Computing II: How to Think Like a Data Scientist				
2	CMPS	335	Data Mining Techniques				
One course with laboratory from: BIOL, CHEM, or PHYS							
4							
2							
2	MATH	471	Mathematics Seminar				
MATH 472 or MATH 480 (2 and Short Term) or MATH 490 (2,2)							
2	MATH						
	MATH						
				Total Credits	0	Total Points	0
						Major GPA	#DIV/0!

Additional courses taken in MATH

				Total Credits	0	Total Points	0
						Major GPA	#DIV/0!

Name _____
 Major(s) _____

ID _____
 Advisor(s) _____

 Class Year _____

SKILLS COMPONENTS

SKILL	Dept	Number	Course Title	Term Completed
Expository Writing				
Additional Writing				
Basic QR				
Applied QR				
Oral Communication				
Applied Research				

PERSPECTIVES

Must represent at least seven different disciplines. Two perspectives may count toward major requirements.

PERSPECTIVE	Dept	Number	Course Title	Credits	Term Completed
Aesthetic Analysis				4	
Creative Expression				4	
Premodern Worlds				4	
Modern/Contemporary Worlds				4	
Scientific Inquiry				4-6	
Social and Cultural Diversity				4	
Global Systems				4	
Language Requirement				0-8	

PHYSICAL EDUCATION

PHED courses must be taken in separate semesters. One course must contain the physical well-being component.

PHED				0	
PHED				0	

SHORT TERMS COMPLETED

Short term credits are not included in semester credit total.

	Dept	Number	Course Title	Credits	Term Completed
Year 1					
Year 2					
Year 3					
Year 4					

CREDITS EARNED

Total credits for graduation: B.A.= 128 semester credits AND 4 short terms; B.S. = 140 credits AND 4 short terms;

Required credits outside the department of major = 68 semester credits; 80 for B.S.

Term 1		Term 5	
Term 2		Term 6	
Term 3		Term 7	
Term 4		Term 8	