

BU Mathematics BA Statistics Degree Checklist

Effective Summer 2019

Required Math and CS Courses (44 credits)			
Required Core Math Courses (35 credits)	Credits	Grade	Semester/Year
MATH 125 Calculus 1	4		
MATH 126 Calculus 2	4		
MATH 141 Introduction to Statistics	3		
MATH 185 Discrete Mathematics	3		
MATH 240 Statistical Methods	3		
MATH 241 Probability and Statistics	3		
MATH 314 Linear Algebra	3		
MATH 340 Statistical Software	3		
MATH 342 Design and Analysis Experiments	3		
MATH 343 Applied Regression Analysis	3		
MATH 410 Math Modeling	3		
Elective Math (3 credits) Math 225 or higher.			
	3		
Required CS courses (6-8 credits)	Credits	Grade	Semester/Year
COMPSCI 121 Object Oriented Programming in Java (4) or COMPSCI 115 Python Programming (3)	4/3		
COMPSCI 122 Graphic Interface in Java (4) or COMPSCI 215 Advanced Python Programming (3) or MATH 320 Computer Programming for Math (3) or Any course COMPSCI 300 or higher (3)	4/3		
Related Area – A 6-credit sequence from a discipline where mathematics is applied (Biology, Economics, Geography, Geology, and Psychology)			
Other Required Courses	Credits	Grade	Semester/Year
ENGLISH 101 Foundation of Writing	3		
INTSTUDY 231 Technical Writing	3		

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	COURSE GEPs SEM/YR GRADE	COURSE GEPs SEM/YR GRADE	COURSE GEPs SEM/YR GRADE	COURSE GEPs SEM/YR GRADE
Learning Outcome 1 Communication 7 GEPs needed (3 disciplines)	ENGLISH 101 3	INTSTUDY 231 3		
Learning Outcome 2 Information Literacy 2 GEPs needed				
Learning Outcome 3 Analytical/Quantitative 5 GEPs needed (2 disciplines)	Math 125 2	Math 126 3		
Learning Outcome 4 Culture/History 5 GEPs needed (2 disciplines)				
Learning Outcome 5 Natural Sciences 5 GEPs needed (2 disciplines)	Math 125 1			
Learning Outcome 6 Social Sciences 5 GEPs needed (2 disciplines)				
Learning Outcome 7 Arts and Humanities 5 GEPs needed (2 disciplines)				
Learning Outcome 8 Second Language 2 GEPs needed				
Learning Outcome 9 Health 2 GEPs needed				
Learning Outcome 10 Citizenship 2 GEPs needed				