

UNIVERSITY OF THE PHILIPPINES CEBU
College of Science

Bachelor of Science in Statistics

2021 Curriculum, Approved during the 1369th UP BOR meeting on 25 March 2021

Study Plan

Effective First Semester, A.Y. 2021 - 2022

First Year, First Semester				
Foundation	CMSC 11	Introduction to Computer Science	3	None
GE	COMM 10	Critical Perspectives in Communication	3	None
Foundation	MATH 53	Elementary Analysis I	5	None
Foundation	STAT 114	Descriptive Statistics	3	None
Foundation	STAT 117	Mathematics for Statistics	3	None
NSTP	NSTP 1	National Service Training Program 1	(3)	None
PE	PE 2		(2)	None

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First Year, Second Semester				
Foundation	CMSC 21	Fundamentals of Programming	3	CMSC 11
GE	MATH 10	Mathematics, Culture and Society	3	None
Foundation	MATH 54	Elementary Analysis II	5	MATH 53
GE	SAS 1	Self and Society	3	None
Core	STAT 121	Probability Theory I	3	MATH 53, STAT 117/MATH 102, MATH 54 (co)
NSTP	NSTP 1	National Service Training Program 1	(3)	None
PE	PE 2		(2)	None

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Second Year, First Semester				
GE	KAS 1	Kasaysayan ng Pilipinas	3	None
Foundation	MATH 55	Elementary Analysis III	3	MATH 54
Foundation	STAT 115	Basic Statistical Methods	3	STAT 114/101/Equivalent
Core	STAT 122	Probability Theory II	3	STAT 121
GE	STS 1	Science, Technology and Society	3	None
Elective	Elective*		3 or 4	
PE	PE 2		(2)	None

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*If the student chooses qualified electives in Computer Science, then CMSC 123 (a 4-unit course) must be taken first since it is a prerequisite of most of the CMSC courses.

Second Year, Second Semester				
Foundation	MATH 114	Linear Algebra	3	MATH 54
Core	STAT 131	Parametric Statistical Inference	4	STAT 122
Foundation	STAT 125	Applications Software and Software Packages	3	STAT 114 /101/Equivalent
Elective	Elective		3	
GE	GE Elective			None
PE	PE 2		(2)	None

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Third Year, First Semester				
GE	ETHICS 1	Ethics and Moral Reasoning in Everyday Life	3	None
Core	STAT 132	Nonparametric Statistical Inference	3	STAT 131
Core	STAT 133	Bayesian Statistical Inference	3	STAT 131
Core	STAT 136	Regression and Correlation Analysis	3	STAT 131, MATH 114
Elective	Elective		3	
GE	GE Elective		3	None

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Third Year, Second Semester				
Core	STAT 138	Introduction to Sampling Designs	3	STAT 131
Core	STAT 145	Introduction to Time Series Analysis and Forecasting	3	STAT 136
Core	STAT 147	Introduction to Multivariate Analysis	4	STAT 136
Foundation	STAT 189	Scientific Writing in Statistics	3	Has earned 53 units of STAT, MATH & CMSC (except MATH 10), and at least 9 units of Elective courses
Elective	Elective		3	
GE	GE Elective		3	None

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Fourth Year, First Semester				
GE	ARTS 1	Critical Perspectives in the Arts	3	None
GE	SCIENCE 11	Living Systems: Concepts and Dynamics	3	None
Core	STAT 143	Survey Operations	3	STAT 189 / MATH 189, STAT 138
Core	STAT 197	Special Topics in Statistics	3	COI
Core	STAT 198.1	Special Problem I	2	STAT 189
Elective	Elective		3	

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Fourth Year, Second Semester				
Mandated	PI 100	The Life and Works of Jose Rizal	3	None
Core	STAT 148	Introduction to Experimental Designs	4	STAT 136
Core	STAT 149	Introduction to Categorical Data Analysis	3	STAT 136
Core	STAT 198.2	Special Problem II	2	STAT 198.1
Elective	Elective		3	
GE	GE Elective		3	None

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Total Required Units 140 to 141