

**6. Curriculum****6.1.1. UP Cebu proposed curriculum for BS Statistics****FIRST YEAR****First Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
CMSC 11	Introduction to Computer Science	2	1	3	3	
COMM 10	Critical Perspectives in Communication	3			3	
MATH 53	Elementary Analysis I	5			5	
STAT 114	Descriptive Statistics	3			3	
STAT 117	Mathematics for Statistics	3			3	
NSTP 1	National Service Training Program 1	(3)			(3)	
PE 2		(2)			(2)	
<b>TOTAL</b>		<b>16</b>	<b>1</b>	<b>3</b>	<b>17</b>	

**FIRST YEAR****Second Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
CMSC 21	Fundamentals of Programming	2	1	3	3	CMSC 11
MATH 10	Mathematics, Culture and Society	3			3	
MATH 54	Elementary Analysis II	5			5	MATH 53
SAS 1	Self and Society	3			3	
STAT 121	Probability Theory I	3			3	MATH 53, STAT 117/ MATH 102, MATH 54 (co)
NSTP 2	National Service Training Program 2	(3)			(3)	
PE 2		(2)			(2)	
<b>TOTAL</b>		<b>16</b>	<b>1</b>	<b>3</b>	<b>17</b>	

**SECOND YEAR****First Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
KAS 1	Kasaysayan ng Pilipinas	3			3	
MATH 55	Elementary Analysis III	3			3	MATH 54
STAT 115	Basic Statistical Methods	2	1	3	3	STAT 114/101/ Equivalent
STAT 122	Probability Theory II	3			3	STAT 121
STS 1	Science, Technology and Society	3			3	
Elective <sup>5</sup>		3	[1]	[3]	3 or 4	
PE 2		(2)			(2)	
<b>TOTAL</b>		<b>17</b>	<b>1 [2]</b>	<b>3 [6]</b>	<b>18 or 19</b>	

<sup>5</sup>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**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
MATH 114	Linear Algebra	3			3	MATH 54
STAT 131	Parametric Statistical Inference	3	1	3	4	STAT 122
STAT 125	Applications Software and Software Packages	2	1	3	3	STAT 114 /101/ Equivalent
Elective		3			3	
GE Elective		3			3	
PE 2		(2)			(2)	
<b>TOTAL</b>		<b>14</b>	<b>2</b>	<b>6</b>	<b>16</b>	

Action of the Board of Regents  
at its 1359<sup>th</sup> Meeting on      MAR 25 2021

**APPROVAL**

ROBERTO M.J. LARA

Secretary of the University

**THIRD YEAR****First Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
ETHICS 1	Ethics and Moral Reasoning in Everyday Life	3			3	
STAT 132	Nonparametric Statistical Inference	3			3	STAT 131
STAT 133	Bayesian Statistical Inference	2	1	3	3	STAT 131
STAT 136	Regression and Correlation Analysis	2	1	3	3	STAT 131, MATH 114
Elective		3			3	
GE Elective		3			3	
<b>TOTAL</b>		<b>16</b>	<b>2</b>	<b>6</b>	<b>18</b>	

**THIRD YEAR****Second Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
STAT 138	Introduction to Sampling Designs	3			3	STAT 131
STAT 145	Introduction to Time Series Analysis and Forecasting	3			3	STAT 136
STAT 147	Introduction to Multivariate Analysis	4			4	STAT 136
STAT 189	Scientific Writing in Statistics	3			3	Has earned 53 units of STAT, MATH & CMSC (except MATH 10), and at least 9 units of Elective courses
Elective		3			3	
GE Elective		3			3	
<b>TOTAL</b>		<b>19</b>			<b>19</b>	

**FOURTH YEAR****First Semester**


COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
ARTS 1	Critical Perspectives in the Arts	3			3	
SCIENCE 11	Living Systems: Concepts and Dynamics	3			3	
STAT 143	Survey Operations	3			3	STAT 189 / MATH 189, STAT 138
STAT 197	Special Topics in Statistics (Topic to be indicated)	3			3	COI
STAT 198.1	Special Problem I	2			2	STAT 189
Elective		3			3	
<b>TOTAL</b>		<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	

**FOURTH YEAR****Second Semester**

COURSE CODE	COURSE TITLE	LEC	LAB		TOTAL UNITS	PREREQUISITE
		Units/Hrs.	Units	Hrs.		
PI 100	The Life and Works of Jose Rizal	3			3	
STAT 148	Introduction to Experimental Designs	4			4	STAT 136
STAT 149	Introduction to Categorical Data Analysis	3			3	STAT 136
STAT 198.2	Special Problem II	2			2	STAT 198.1
Elective		3			3	
GE Elective		3			3	
<b>TOTAL</b>		<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	

**6.1.2. Adoption of Foundational and Core Courses in Statistics** (See Appendices D-1 & D-2)

Action of the Board of Regents  
at its 1359<sup>th</sup> Meeting on MAR 25 2021

**APPROVAL**  
  
ROBERTO M.J. LARA  
Secretary of the University  
of the Board of Regents