

BS STATISTICS CURRICULUM¹

FIRST YEAR – First Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
ETHICS 1 (GE). Ethics and Moral Reasoning in Everyday Life	3
KAS 1/ HIST 1 (GE). Kasaysayan ng Pilipinas/ Philippine History	3
MATH 27. Analytic Geometry and Calculus II	3
BIO 30. Genetics	3
STAT 101. Statistical Methods	3
STAT 135. Logic and Matrix Algebra in Statistics	3
HK 11. Wellness and Basic Injury Management	<u>(2)</u>
	18
FIRST YEAR – Second Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
ARTS 1 (GE). Critical Perspectives in the Arts	3
GE ELECTIVE	3
MATH 28. Analytic Geometry and Calculus III <i>PR. MATH 27</i>	3
CMSC 12. Foundations of Computer Science	3
STAT 162. Experimental Designs	3
STAT 182. Statistical Packages <i>PR. STAT 101</i>	3
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
	18
MIDYEAR (BOR Approved)	
SECOND YEAR – First Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
STS 1 (GE). Science, Technology, and Society	3
GE ELECTIVE	3
CMSC 21. Fundamentals of Programming <i>PR. CMSC 12</i>	3
ECON 11. General Economics	3
STAT 144. Introductory Statistical Theory I <i>PR. MATH 28</i>	3
STAT 168. Response Surface Methodology	3
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
NSTP 1. National Service Training Program I	<u>(3)</u>
	18
SECOND YEAR – Second Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
GE ELECTIVE	3
MATH 182. Introduction to Stochastic Processes <i>PR. STAT 144</i>	3
CMSC 22. Object-Oriented Programming <i>PR. CMSC 12</i>	3
ABME 10. Foundations of Entrepreneurship	3
STAT 145. Introductory Statistical Theory II <i>PR. STAT 144</i>	3
STAT 163. Survey Designs <i>PR. STAT 144</i>	<u>(2)</u>
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(3)</u>
NSTP 2. National Service Training Program II	18
MIDYEAR (BOR Approved)	

FIRST YEAR – First Semester (Redesigned)	
<i>Course</i>	<i>Units</i>
ETHICS 1 (GE). Ethics and Moral Reasoning in Everyday Life	3
KAS 1/ HIST 1 (GE). Kasaysayan ng Pilipinas/ Philippine History	3
MATH 27. Analytic Geometry and Calculus II	3
BIO 30. Genetics	3
STAT 101. Statistical Methods	3
HK 11. Wellness and Basic Injury Management	<u>(2)</u>
	15
FIRST YEAR – Second Semester (Redesigned)	
<i>Course</i>	<i>Units</i>
ARTS 1 (GE). Critical Perspectives in the Arts	3
GE ELECTIVE	3
MATH 28. Analytic Geometry and Calculus III <i>PR. MATH 27</i>	3
CMSC 12. Foundations of Computer Science	3
STAT 162. Experimental Designs	3
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
	15
MIDYEAR (Redesigned)	
<i>Course</i>	<i>Units</i>
STAT 135. Logic and Matrix Algebra in Statistics	3
STAT 182. Statistical Packages <i>PR. STAT 101</i>	<u>3</u>
	6
SECOND YEAR – First Semester (Redesigned)	
<i>Course</i>	<i>Units</i>
STS 1 (GE). Science, Technology, and Society	3
CMSC 21. Fundamentals of Programming <i>PR. CMSC 12</i>	3
ECON 11. General Economics	3
STAT 144. Introductory Statistical Theory I <i>PR. MATH 28</i>	3
STAT 168. Response Surface Methodology	3
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
	15
SECOND YEAR – Second Semester (Redesigned)	
<i>Course</i>	<i>Units</i>
MATH 182. Introduction to Stochastic Processes <i>PR. STAT 144</i>	3
CMSC 22. Object-Oriented Programming <i>PR. CMSC 12</i>	3
ABME 10. Foundations of Entrepreneurship	3
STAT 145. Introductory Statistical Theory II <i>PR. STAT 144</i>	3
STAT 163. Survey Designs <i>PR. STAT 144</i>	3
HK 12/ HK 13. Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
NSTP 1. National Service Training Program I	<u>(3)</u>
	15
MIDYEAR (Redesigned)	
<i>Course</i>	<i>Units</i>
GE ELECTIVE	3
GE ELECTIVE	<u>3</u>
	6

THIRD YEAR – First Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
COMM 10 (GE). Critical Perspectives in Communication	3
ELECTIVE TRACK	3
STAT 146. Introductory Statistical Theory III <i>PR. STAT 145</i>	3
STAT 173. Survey Operations <i>PR. STAT 163</i>	3
STAT 175. Analysis of Multivariate Data <i>PR. STAT 101</i>	3
STAT 181. Statistical Computing <i>PR. COI</i>	3
NSTP 2. National Service Training Program II	(2)
	18

THIRD YEAR – First Semester (Redesigned)²	
<i>Course</i>	<i>Units</i>
COMM 10 (GE). Critical Perspectives in Communication	3
ELECTIVE TRACK	3
STAT 146. Introductory Statistical Theory III <i>PR. STAT 145</i>	3
STAT 173. Survey Operations <i>PR. STAT 163</i>	3
STAT 175. Analysis of Multivariate Data <i>PR. STAT 101</i>	3
STAT 181. Statistical Computing <i>PR. COI</i>	3
NSTP 2. National Service Training Program II	(2)
	18

THIRD YEAR – Second Semester (BOR Approved)	
<i>Course</i>	<i>Units</i>
ELECTIVE TRACK	3
CMSC 127. File Processing and Database Systems <i>PR. CMSC 22</i>	3
STAT 147. Introduction to the Theory of Nonparametric Statistics <i>PR. STAT 145</i>	3
STAT 151. Applied Regression and Correlation <i>PR. STAT 135</i>	3
STAT 156. Introductory Time Series Analysis <i>PR. STAT 135 or COI</i>	3
STAT 174. Introductory Biostatistics	3
STAT 192.1. Statistical Consulting Laboratory <i>PR. COI</i>	1
	19

THIRD YEAR – Second Semester (Redesigned)	
<i>Course</i>	<i>Units</i>
ELECTIVE TRACK	3
CMSC 127. File Processing and Database Systems <i>PR. CMSC 22</i>	3
STAT 147. Introduction to the Theory of Nonparametric Statistics <i>PR. STAT 145</i>	3
STAT 151. Applied Regression and Correlation <i>PR. STAT 135</i>	3
STAT 156. Introductory Time Series Analysis <i>PR. STAT 135 or COI</i>	3
	15

MIDYEAR

<i>Course</i>	<i>Units</i>
STAT 198. Practicum <i>PR. COI</i>	3

FOURTH YEAR – First Semester	
<i>Course</i>	<i>Units</i>
ELECTIVE TRACK	3
ENG 10. Writing of Scientific Papers	3
STAT 148. Introductory Bayesian Statistics <i>PR. STAT 145</i>	3
STAT 165. Categorical Data Analysis <i>PR. STAT 101</i>	3
STAT 190. Special Problem <i>PR. COI</i>	1
STAT 191. Special Topics <i>PR. COI</i>	3
	16

FOURTH YEAR – First Semester	
<i>Course</i>	<i>Units</i>
ELECTIVE TRACK	3
ENG 10. Writing of Scientific Papers	3
STAT 148. Introductory Bayesian Statistics <i>PR. STAT 145</i>	3
STAT 165. Categorical Data Analysis <i>PR. STAT 101</i>	3
STAT 190. Special Problem <i>PR. COI</i>	2
STAT 191. Special Topics <i>PR. COI</i>	1
STAT 174. Introductory Biostatistics	3
STAT 192.1. Statistical Consulting Laboratory <i>PR. COI</i>	1
	20

FOURTH YEAR – Second Semester (Redesigned)²	
<i>Course</i>	<i>Units</i>
PI 10. The Life and Works of Jose Rizal	3
STAT 157. Financial Risk Analysis <i>PR. STAT 156</i>	3
STAT 167. Statistical Quality Control	3
STAT 183. Introductory Data Analytics <i>PR. STAT 151, STAT 175, and CMSC 21</i>	3
STAT 190. Special Problems <i>PR. COI</i>	2
STAT 199. Undergraduate Seminar <i>PR. COI</i>	1
	15

FOURTH YEAR – Second Semester (Redesigned)²	
<i>Course</i>	<i>Units</i>
PI 10. The Life and Works of Jose Rizal	3
STAT 157. Financial Risk Analysis <i>PR. STAT 156</i>	3
STAT 167. Statistical Quality Control	3
STAT 183. Introductory Data Analytics <i>PR. STAT 151, STAT 175, and CMSC 21</i>	3
STAT 190. Special Problems <i>PR. COI</i>	2
STAT 199. Undergraduate Seminar <i>PR. COI</i>	1
	15

Total number of Units = 143

¹redesigned version; in effect only for Academic Year 2020-2021

²no change has been made