

# BS STATISTICS CURRICULUM

<b>FIRST YEAR – First Semester</b>		<b>FIRST YEAR – Second Semester</b>	
<i>Course</i>	<i>Units</i>	<i>Course</i>	<i>Units</i>
<b>ETHICS 1 (GE).</b> Ethics and Moral Reasoning in Everyday Life	3	<b>ARTS 1 (GE).</b> Critical Perspectives in the Arts	3
<b>KAS 1/ HIST 1 (GE).</b> Kasaysayan ng Pilipinas/ Philippine History	3	<b>GE ELECTIVE</b>	3
<b>MATH 27.</b> Analytic and Geometry and Calculus II	3	<b>MATH 28.</b> Analytic Geometry and Calculus III <i>PR. MATH 27</i>	3
<b>BIO 30.</b> Genetics	3	<b>CMSC 12.</b> Foundations of Computer Science	3
<b>STAT 101.</b> Statistical Methods	3	<b>STAT 162.</b> Experimental Designs	3
<b>STAT 135.</b> Logic and Matrix Algebra in Statistics	3	<b>STAT 182.</b> Statistical Packages <i>PR. STAT 101</i>	3
<b>HK 11.</b> Wellness and Basic Injury Management	<u>(2)</u>	<b>HK 12/ HK 13.</b> Human Kinetics Activities/ Advanced Human Kinetics Activities	<u>(2)</u>
	<b>18</b>		<b>18</b>
<b>SECOND YEAR – First Semester</b>		<b>SECOND YEAR – Second Semester</b>	
<i>Course</i>	<i>Units</i>	<i>Course</i>	<i>Units</i>
<b>STS 1 (GE).</b> Science, Technology, and Society	3	<b>GE ELECTIVE</b>	3
<b>GE ELECTIVE</b>	3	<b>MATH 182.</b> Stochastic Processes <i>PR. STAT 144</i>	3
<b>CMSC 21.</b> Fundamentals of Programming <i>PR. CMSC 12</i>	3	<b>CMSC 22.</b> Object-Oriented Programming <i>PR. CMSC 12</i>	3
<b>ECON 11.</b> General Economics	3	<b>ABME 10.</b> Foundations of Entrepreneurship	3
<b>STAT 144.</b> Introductory Statistical Theory I <i>PR. MATH 28</i>	3	<b>STAT 145.</b> Introductory Statistical Theory II <i>PR. STAT 144</i>	3
<b>STAT 168.</b> Response Surface Methodology	3	<b>STAT 163.</b> Survey Designs <i>PR. STAT 144</i>	3
<b>HK 12/ HK 13.</b> Human Kinetics Activities/ Advanced Human Kinetics Activities	(2)	<b>HK 12/ HK 13.</b> Human Kinetics Activities/ Advanced Human Kinetics Activities	(2)
<b>NSTP 1.</b> National Service Training Program I	<u>(3)</u>	<b>NSTP 2.</b> National Service Training Program II	<u>(3)</u>
	<b>18</b>		<b>18</b>
<b>THIRD YEAR – First Semester</b>		<b>THIRD YEAR – Second Semester</b>	
<i>Course</i>	<i>Units</i>	<i>Course</i>	<i>Units</i>
<b>COMM 10 (GE).</b> Critical Perspectives in Communication	3	<b>ELECTIVE TRACK</b>	3
<b>ELECTIVE TRACK</b>	3	<b>CMSC 127.</b> File Processing and Database Systems <i>PR. CMSC 22</i>	3
<b>STAT 146.</b> Introductory Statistical Theory II <i>PR. STAT 145</i>	3	<b>STAT 147.</b> Introduction to the Theory of Nonparametric Statistics <i>PR. STAT 145</i>	3
<b>STAT 173.</b> Survey Operations <i>PR. STAT 163</i>	3	<b>STAT 151.</b> Applied Regression and Correlation <i>PR. STAT 135</i>	3
<b>STAT 175.</b> Analysis of Multivariate Data <i>PR. STAT 101</i>	3	<b>STAT 156.</b> Introductory Time Series Analysis <i>PR. STAT 135 or COI</i>	3
<b>STAT 181.</b> Statistical Computing <i>PR. COI</i>	<u>3</u>	<b>STAT 174.</b> Introductory Biostatistics	3
	<b>18</b>	<b>STAT 192.1.</b> Statistical Consulting Laboratory <i>PR. COI</i>	1
			<b>19</b>
<b>MIDYEAR</b>			
<i>Course</i>			<i>Units</i>
<b>COMA 198.</b> Practicum <i>PR. COI</i>			3
<b>FOURTH YEAR – First Semester</b>		<b>FOURTH YEAR – Second Semester</b>	
<i>Course</i>	<i>Units</i>	<i>Course</i>	<i>Units</i>
<b>ELECTIVE TRACK</b>	3	<b>PI 10.</b> The Life and Works of Jose Rizal	3
<b>ENG 10.</b> Writing Scientific Papers	3	<b>STAT 157.</b> Financial Risk Analysis <i>PR. STAT 156</i>	3
<b>STAT 148.</b> Introductory Bayesian Statistics <i>PR. STAT 145</i>	3	<b>STAT 167.</b> Statistical Quality Control	3
<b>STAT 165.</b> Categorical Data Analysis <i>PR. STAT 101</i>	3	<b>STAT 183.</b> Introductory Data Analytics <i>PR. STAT 151, STAT 175, and CMSC 21</i>	3
<b>STAT 190.</b> Special Problems <i>PR. COI</i>	1	<b>STAT 190.</b> Special Problems <i>PR. COI</i>	2
<b>STAT 191.</b> Special Topics <i>PR. COI</i>	<u>3</u>	<b>STAT 199.</b> Undergraduate Seminar <i>PR. COI</i>	1
	<b>16</b>		<b>15</b>
<b>Total number of Units = 143</b>			

**Note:** This BS Statistics Curriculum is effective starting 1<sup>st</sup> Semester AY 2018-2019. The curriculum flowchart is printed at the back of this page.