

## B.S. in Data Science (0715):

Year	FALL – 16sh, 16sh, 16sh, 15sh	SPRING – 15sh, 15sh, 15sh, 12sh
<b>FRESHMEN</b>	<p><b>Discrete Mathematics</b>  <b>Intro to PPS (Python)</b>                      Calculus I (Quantitative Literacy)                      College Comp I (RS) (Rowan Core)                      Broad-Based Literature                      Learning Community (0 credits)</p>	<p><b>Calculus II</b>  <b>Computer Science &amp; Programming</b>                      College Comp II (Rowan Core)  <b>Introduction to Data Science</b></p>
<b>SOPHOMORE</b>	<p><b>Calculus III</b>  <b>Linear Algebra</b>  <b>Principles of Data Structures</b>                      Public Speaking (Rowan Core)                      Free Choice</p>	<p><b>Probability &amp; Random Variables</b>  <b>Database Systems: Theory &amp; Prog</b>  <b>Concepts in Statistical Data Analysis</b>                      Global Literacy (Rowan Core)                      Free Choice</p>
<b>JUNIOR</b>	<p><b>Intro to Info Visualization</b>  <b>Machine Learning</b>                      Scientific Literacy (Rowan Core)                      Artistic Literacy (Rowan Core)                      Free Choice</p>	<p><b>Intro to Data Mining</b>  <b>OR Elements of Stat Learning</b>  <b>Data Research I</b>                      Writing Intensive (Rowan Core)                      Free Choice                      Free Choice</p>
<b>SENIOR</b>	<p><b>Big Data Tools &amp; Techniques</b>  <b>Upper-level Elective</b>  <b>Data Research II</b>                      Free Choice                      Free Choice</p>	<p><b>Upper-level Elective</b>  <b>Upper-level Elective</b>                      Humanistic Literacy (Rowan Core)                      Free Choice</p>