

## CRS 1 Topics to be Selected from the Following

<u>AP Calculus AB/BC</u>	<u>AP Statistics</u>	<u>AP CSP</u>	<u>AP CSA</u>
<ul style="list-style-type: none"> <li>Limits, Continuity, and Differentiability</li> <li>Analyzing a Function Based on its Derivatives</li> <li>Derivatives and Their Applications</li> <li>Big Theorems (IVT, EVT, and MVT)</li> <li>Area Approximation and Accumulation</li> </ul>	<ul style="list-style-type: none"> <li>Descriptive Statistics</li> <li>Designing Studies and Experiments</li> <li>Linear Regression</li> <li>Normal Distributions and Sampling Distributions</li> <li>Probability</li> </ul>	<ul style="list-style-type: none"> <li>Create PT Writing</li> <li>Algorithm and Developing Programs</li> <li>Data Compression and Storage Security</li> <li>Control Structures in Programming Languages</li> </ul>	<ul style="list-style-type: none"> <li>Methods and Tracing</li> <li>Strings</li> <li>Object-Oriented Programming</li> <li>1 Dimensional Arrays</li> </ul>

## CRS 2 Topics to be Selected from the Following

<u>AP Calculus AB</u>	<u>AP Calculus BC</u>	<u>AP Statistics</u>	<u>AP CSP</u>	<u>AP CSA</u>
<ul style="list-style-type: none"> <li>• Particle Motion</li> <li>• Fundamental Theorem of Calculus</li> <li>• Slope Fields and Differential Equations</li> <li>• Area and Volume</li> <li>• Writing Justifications and Avoiding Common Errors</li> </ul>	<ul style="list-style-type: none"> <li>• BC Integrals and Applications</li> <li>• Parametrics, Polars, and Vectors</li> <li>• Convergence of Series</li> <li>• Taylor Series</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding Inference</li> <li>• Inference for Proportions</li> <li>• Inference for Means</li> <li>• Chi Square Tests</li> <li>• Inference Review</li> </ul>	<ul style="list-style-type: none"> <li>• Robot Algorithms</li> <li>• Digital Representations of Data and Numbering Systems</li> <li>• Data Mining</li> <li>• Simulation and Models</li> </ul>	<ul style="list-style-type: none"> <li>• Array Lists</li> <li>• Algorithm Practice</li> <li>• Inheritance</li> <li>• 2 Dimensional Arrays</li> </ul>