

Course Title	Intro to Statistics and Probability
Standards Taught	<p>Focus: Course introduces students to statistical modeling, analysis and inference with a basis in probability.</p> <p>Engagement: Course content centers around daily activities based on real time data collection, experimentation, discovery lead concepts.</p> <p>Pathway: Students are required to complete Occupational Math, Applied Algebra or Advanced Algebra with a C or better as a prerequisite to this course.</p> <p>Belonging: This course is geared towards students with an interest in data literacy and/or a future in the medical field, social/political sciences or any other field reliant on data collection, field studies or information analysis.</p>
Instruction Materials Referenced	Stats Medic (https://www.statsmedic.com/180-days-of-intro-stats-4e)
Content Outline	
Chapter 1	<ul style="list-style-type: none"> Analyzing One-Variable Data
Chapter 2	<ul style="list-style-type: none"> Modeling One-Variable Data
Chapter 3	<ul style="list-style-type: none"> Analyzing Two-Variable Data
Chapter 4	<ul style="list-style-type: none"> Collecting Data
Chapter 5	<ul style="list-style-type: none"> Probability
Chapter 6	<ul style="list-style-type: none"> Random Variables
Chapter 7	<ul style="list-style-type: none"> Sampling Distributions
Chapter 8	<ul style="list-style-type: none"> Estimating a Parameter

Chapter 9	<ul style="list-style-type: none">● Testing a Claim
Chapter 10	<ul style="list-style-type: none">● Comparing Two Populations or Treatments
Chapter 11	<ul style="list-style-type: none">● Inference for Distributions and Relationships
How will students demonstrate the learning?	Students will demonstrate their learning through a combination of class discussions, class activities, worksheets, posters, presentations, quizzes and chapter tests.