

Biology 306 Checklist

The following skills are recommended for Biology 306, Biology of Microorganisms Lab. Choose the following textbook from the dropdown menu:

Lial: PreAlgebra & Introductory Algebra, 3e

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. For each section below, start by watching the section video then proceed to exercises. If you need help with an exercise, you can click on the menu to the right of the exercise for help, to read the related section of the textbook, or to see additional examples.

- Chapter O - Orientation Questions for Students
- Chapter 6 – Ratio and Proportion
 - Sec 6.1 Ratios
 - Sec 6.2 Rates
 - Sec 6.3 Proportions
 - Sec 6.4 Problem Solving
- Chapter 8 – Measurement
 - Sec 8.3 The Metric System – Capacity and Weight
 - Sec 8.4 Problem Solving in the Metric System
- Chapter 9 – Graphs
 - Sec 9.4 Rectangular Coordinate System
 - Sec 9.5 Intro to Graphing Linear Equations
- Chapter 13 – Exponents and Scientific Notation
 - 13.1, 13.2, 13.5 Rules of exponents
 - 13.8 Scientific Notation

For more specific problems, see Dr. Schreifels’ General Chemistry Tutorial on the webpage: <http://genchem.gmu.edu/tutorials/>

- Basic Math
- Mass, Molecules and Moles
- Molarity