Chemistry 101 - General Chemistry

Skills Expected: Reading 6; Writing 5; Listening-speaking 5; Math 5 Coursework:

9 pages of textbook problems per week

2 lab reports (2-3 pages) per week (must understand lab instructions)

25 math-related lab reports (2-3 pages) per semester

1 math-related homework assignment (2-3 pages) per week

5 math-based exams (4-5 pages) per semester

2 laboratory exams (5-8 pages) per semester

Math skills are required in algebra and trigonometry. Skills are required in data analysis, problem solving, memorization, and concept application.

Chemistry 114 - The Chemical Environment

Skills Expected: Reading 5; Writing 5; Listening-speaking 5; Math 3 Coursework:

5 pages of lab book reading per week

30 pages of textbook reading per week

4 to 5 pages of magazine/newspaper articles reading every 3 weeks

1 lab report (2-3 pages) every 2 weeks

30 end-of-chapter problems every 2 weeks (These require students to demonstrate comprehension of materials read.)

1 math-related lab report involving data analysis (2-3 pages) every 2 weeks

1 math-related homework assignment involving data analysis (30 problems) every 2 weeks

5 exams per semester consisting of 10 multiple choice-questions; 20 multiple-choice questions requiring comprehension of both material read from book as well as that gained from lecture; 1 essay question requiring student to show in-depth comprehension of one or more topics (writing skills such as organizing facts and ideas in simple paragraphs are needed)

Math skills such as addition, subtraction, multiplication, division, working with simple formulas, ratios, proportions, percents, and fractions are required. Also, note-taking skills required: students must be able to listen in class and take organized notes outlining important ideas presented.

[Skill levels expressed are considered a minimum for academic success. Students should expect differences in assignments and exams depending on instructor preferences]. Chemistry 120 - Fundamentals of College Chemistry (Inorganic)

Skills Expected: Reading 5; Writing 5; Listening-speaking 5; Math 4 Coursework:

30 to 70 pages of reading per week

Must understand lab presentations, instructions and safety precautions

1 lab report using data analysis per week (2-6 pages)

2 to 4 math-based homework assignments per week (1-3 pages each). These involve data analysis, problem solving, memorization and concept application.

6 math-based exams per semester (4-10 pages each). These involve problem solving and concept application.

Math skills in algebra are required.