

**The University of Iowa College of Pharmacy**  
**Prerequisite Equivalents from**  
**Graceland University, Lamoni, IA**

The University of Iowa

Rhetoric I – 10:1

Rhetoric II – 10:2

Principles of Chemistry I – 4:11

Principles of Chemistry II – 4:12

Calculus for Biological Sciences – 22M:16

Physics (if needed) – 29:8

(needed only if 1 yr. HS Physics not completed)

Principles of Biology I – 2:10

Principles of Biology II – 2:11

Organic Chemistry I – 4:121

Organic Chemistry II – 4:122

Human Anatomy – 60:110

Human Physiology – 27:130

OR

Human Anatomy – 60:110

Human Physiology – 27:130

Microbiology – 61:112

Microeconomics – 6E:1

Statistics – 22S:XX (not 22S:002)

General Education Electives

Graceland University

ENGL 1440 or 3200 or 3210 or 3220 or 3250

AND COMM 1200 Speech Communication

CHEM 1430+1431 Prin. Chemistry I + Lab

CHEM 1440+1441 Prin. Chemistry II + Lab

MATH 1510 Calculus I

PHYS 1410 Elements of Physics I

BIOL 1400 Fund. of Biological Science AND

BIOL 1430 Fundamentals of Animal Biology

CHEM 3410 Organic Chemistry I

CHEM 3420 Organic Chemistry II

BIOL 2300 Anatomy and Physiology I AND

BIOL 2310 Anatomy and Physiology II

OR

BIOL 3420 Human Anatomy

BIOL 3440 Human Physiology

BIOL 2360 Fundamentals of Microbiology

ECON 1320 Principles of Microeconomics

MATH 1380 Introduction to Statistics

\*\*see below

Note: The Rhetoric requirement is waived for students entering The University of Iowa College of Pharmacy holding a bachelor's degree.

\*\*20 s.h. of general education electives are required for graduation from the College of Pharmacy. It is required to complete at least 12 s.h. prior to entering the College. General education electives may include most transferable courses with the exception of mathematics, science, or applied coursework (e.g. studio art, music, acting, dancing or P.E.). Suggested courses to take include computer science, Ethics or a Moral Reasoning course.