

**University of Iowa College of Pharmacy**  
**Prerequisite Equivalents from**  
**Clarke College, Dubuque, Iowa**

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

Health Sciences Microbiology – 61:164

Microeconomics – 6E:1

Statistics – 22S:XX (not 22S:002)

General Education Electives

Clarke College

GNED 110 Cornerstone I AND

GNED 111 Cornerstone II AND

DS 103 Speech I

CHEM 110+110L General Chemistry I w/lab

CHEM 111+111L General Chemistry II w/lab

MATH 225 Calculus I

PHYS 110+110L Elements of Physics w/lab

BIOL 115+115L Fund Cell Biol/Genetics w/lab AND

BIOL 116+116L Ecology, Evol & Diversity w/lab

CHEM 221 Organic Chemistry I

CHEM 222 Organic Chemistry II

BIOL 211 Human Anatomy & Physiology I AND

BIOL 212 Human Anatomy & Physiology II

BIOL 132+132L Intro to Microbiology w/lab OR

BIOL 332+332L Microbiology w/lab

BUEC 121 Microeconomics

MATH 220 Statistics

\*\*see below

\*\*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.