

Pre-Pharmacy Preparation

Year 1

Fall	January	Spring
CHEM-111 General Chemistry I		CHEM-113 General Chemistry II
MATH-121 Calculus I		MATH-210 Statistical Analysis
BIOL-204 Fundamentals of Human Physiology		BIOL-202 Fundamentals of Human Anatomy
FYS First Year Seminar		COMM-110 Communication
All necessary labs		All necessary labs

Year 2

Fall	January	Spring
CHEM-311 Organic Chemistry I		CHEM-312 Organic Chemistry II
PHYS-111 College Physics I <i>or</i> PHYS-210 General Physics I		PHYS-112 College Physics II <i>or</i> PHYS-220 General Physics II
BIOL-229 Introduction to Molecular Biology		BIOL-313 Microbiology
All necessary labs		All necessary labs

NOTES

1. If placement tests put a student into CHEM-105 Introduction to Inorganic Chemistry or a mathematics course lower than MATH-210 Statistical Analysis, then this plan will take 3 years.
2. The Manchester University Pharmacy Program requires that the core courses taken include one in economics, two in humanities (literature, art, philosophy, religion), one in social sciences (sociology, psychology, history) and one labeled "global connections." Students are advised to consult the entrance requirements of the pharmacy school(s) to which application is intended.
3. The transition to a Biology-Chemistry Major after two years requires no extra courses:
 - a. BIOL-202 Human Physiology replaces BIOL-108 Principles of Biology II and BIOL-204 Human Anatomy replaces BIOL-364 Comparative Vertebrate Anatomy.
 - b. BIOL-360 Genetics, BIOL-431 Immunology, BIOL-365 Cell Biology, or BIOL-332 DNA Science will substitute for BIOL-106 Principles of Biology I.