

## Transfer Guide for Career Planning

# Pharmacy

### Prerequisite Courses:

MTH 210 - Calculus I  
MTH 211 - Calculus II

BIO 160 - General Botany  
BIO 165 - General Zoology

PHY 145 - College Physics I  
PHY 146 - College Physics II

CHE 151 - General Chemistry I  
CHE 152 - General Chemistry II

**or**

PHY 154 - General Physics I  
PHY 155 - General Physics II

CHE 251 - Organic Chemistry I  
CHE 252 - Organic Chemistry II

Some Pharmacy programs may require only one semester of Calculus. In addition to Calculus, some Pharmacy programs require a course in statistics. Also, 6 credit hours of English Composition/Writing is required.

Most Pharmacy programs require at least nine hours of electives in the Liberal Arts area. Suggested elective choices: PSY 101 or SOC 101, World Civilization (SUNY Gen.Ed.), HIS 111 or HIS 112, ECO 111, HED 120.

- See separate sheet for SUNY University at Buffalo requirements.
- Albany College of Pharmacy requires a course in Microbiology (BIO 202).

A license to practice pharmacy is required in all States, the District of Columbia, and U.S. territories. Pharmacy programs grant the Doctor of Pharmacy (Pharm.D.), which requires at least six years of post-secondary study. A pharmacist prepares and dispenses drugs. They understand chemicals and their properties, drug compounds and their use. Pharmacists advise health care providers, such as physicians and dentists, on the selection, dosages, interactions, and side effects of medications on patients. Many pharmacists practice in retail or chain store pharmacies. Others practice in hospitals, firms that make pharmaceuticals, public health care centers and government regulatory agencies.

### Partial Listing of Colleges In NYS with a Program in Pharmacy:

Albany College of Pharmacy  
Long Island University, Brooklyn Center  
St. John's University  
SUNY University at Buffalo