

Pharmacy Preparation, AS

Program Description

The Pharmacy Preparation Associate of Science Degree offered by the Physical Sciences Department is a minimum two-year comprehensive preparatory program of study toward admittance into the professional curriculum leading to a Doctor of Pharmacy Degree (Pharm.D.) This curriculum provides depth in core areas that are foundational for success in a pharmacy graduate program. Students in this program will complete a series of courses that stress 1) proficiency in language and communication, 2) broad cultural background, 3) familiarity with the scientific method and 4) a strong scientific background.

Program Curriculum

60-63 credits

Utah Tech General Education Requirements

All Utah Tech General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to Utah Tech's minimum General Education standards in American Institutions, English, and Mathematics.

General Education Core Requirements (catalog.utahtech.edu/programs/generaleducation/#gerequisitestext)

| Code | Title | Hours |
|------------------------------|-------|-------|
| English | | 3-7 |
| Mathematics | | 3-5 |
| American Institutions | | 3-6 |
| Life Sciences | | 3-10 |
| Physical Sciences | | 3-5 |
| Fine Arts | | 3 |
| Literature/Humanities | | 3 |
| Social & Behavioral Sciences | | 3 |

AS in Pharmacy Preparation Core Requirements

| Code | Title | Hours |
|----------------------------|---|-------|
| BIOL 1610 & BIOL 1615 | Principles of Biology I (LS) and Principles of Biology I Lab (LAB) | 5 |
| BIOL 2320 & BIOL 2325 | Human Anatomy and Human Anatomy Lab | 5 |
| BIOL 2420 & BIOL 2425 | Human Physiology and Human Physiology Lab | 4 |
| CHEM 1210 & CHEM 1215 | Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB) | 5 |
| CHEM 1220 & CHEM 1225 | Principles of Chemistry II and Principles of Chemistry II Lab | 5 |
| CHEM 2310 & CHEM 2315 | Organic Chemistry I and Organic Chemistry I Lab | 5 |
| CHEM 2320 & CHEM 2325 | Organic Chemistry II and Organic Chemistry II Lab | 5 |
| ENGL 2010 | Intern Writing Selected Topics: (EN) (pre-req ENGL 1010) | 3 |
| MATH 1210 | Calculus I (MA) (pre-req MATH 1050 and MATH 1060 (grade C or higher)) | 4 |
| PSY 1010 | General Psychology (SS, GC) | 3 |
| COMM 1020 | Public Speaking (HU, GC) | 3 |
| Choose 1 of the following: | | |
| BIOL 2060 & BIOL 2065 | Principles of Microbiology and Principles of Microbiology Lab | 4 |

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|--------------------------|--|---|
| BIOL 3450 & BIOL 3455 | General Microbiology and General Microbiology Lab | 4 |
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Graduation Requirements

1. Complete a minimum of 60 college-level credits (1000 and above).
2. Complete at least 20 semester hours of credits at Utah Tech for institutional residency.
3. Grade of C or higher in required courses and cumulative GPA 2.0 or higher.

Graduation Plan

1st Year

| Fall Semester | Hours Spring Semester | Hours |
|---|---|-----------|
| BIOL 1610 & BIOL 1615 | 5 CHEM 1220 & CHEM 1225 | 5 |
| CHEM 1210 & CHEM 1215 | 5 ENGL 2010 | 3 |
| PSY 1010 | 3 General Education (Fine Arts) (catalog.utahtech.edu/ programs/generaleducation/ #gerequirementstext) | 3 |
| General Education (American Institutions) (catalog.utahtech.edu/ programs/generaleducation/ #gerequirementstext) | 3 General Elective (MATH 1080 recommended) | 3 |
| | 16 | 14 |

2nd Year

| Fall Semester | Hours Spring Semester | Hours |
|---|----------------------------|-----------|
| BIOL 2320 & BIOL 2325 | 5 BIOL 2420 & BIOL 2425 | 4 |
| CHEM 2310 & CHEM 2315 | 5 CHEM 2320 & CHEM 2325 | 5 |
| COMM 1020 (HU, GC) | 3 BIOL 2060 & BIOL 2065 | 4 |
| MATH 1210 (pre-req MATH 1050 & MATH 1080 or equivalent placement score) | 4 | |
| | 17 | 13 |

Total Hours 60

AS Pharmacy Preparation Degree Program Learning Outcomes

At the successful conclusion of this program, students will be able to:

1. Apply principles of chemistry to pharmacy; recognize classes of drugs based on functional groups and predict the impact of structure on drug efficacy.
2. Apply science and mathematics to solve complex problems including the analysis and interpretation of data from lab experiments.
3. Apply biological concepts and principals in the analysis of biological processes.
4. Communicate effectively both orally and in writing.
5. Evaluate evidence and logic in various texts.