



2021-2022 Summary of Course Prerequisites

The 2021-2022 AACCP Course Prerequisite Summary is intended to help applicants more easily determine how the course prerequisites for Doctor of Pharmacy (Pharm.D.) degree programs overlap across colleges and schools of pharmacy in the United States. The Summary reflects the total number of semester hours pharmacy applicants must complete per subject area, as captured in the PharmCAS School [Directory](#). Some colleges and schools of pharmacy offer more than one program, pathway, or campus for Pharm.D. degree students and are represented in the Summary more than once. The Summary generally reflects the minimum number of course prerequisites per program. Pharmacy schools may have additional requirements, recommended courses, preferences, or policies that are not reflected in the Summary. Schools may also allow applicants to substitute courses or choose different prerequisite tracks. Applicants should not rely solely on this summary to determine the course prerequisites for a particular pharmacy school. Visit the PharmCAS School Directory for program-specific details and contact schools directly to determine whether a particular college course will fulfill a prerequisite.

Course Subject Descriptors:

The following descriptors are only intended to provide general guidance. Not all course subjects are described, and no school requires prerequisite courses in every subject. Schools may require specific or advanced courses in a particular subject area. Visit the PharmCAS School [Directory](#) for program-specific details.

- **Anatomy, Physiology, and Anatomy & Physiology:** Schools may accept separate anatomy and physiology courses OR combined anatomy & physiology (A&P) I and II courses. Lab requirements vary.
- **Biochemistry:** Lab requirements vary.
- **Biology/Biological Science:** General biology I & II are commonly required. Genetics or cell biology may also be required. Lab requirements vary.
- **Chemistry:** General chemistry I & II and organic chemistry I & II are commonly required. Lab requirements vary.
- **Communication/Speech (Verbal):** Public speaking or speech may be preferred or required.
- **Humanities:** General or specific courses in history, languages, literature, philosophy, the arts, or religion may be required.
- **Microbiology:** Labs requirements vary.
- **Physics:** Lab requirements vary.
- **Psychology:** General psychology is most commonly required. See also social/behavioral science.
- **Math:** Calculus (non-business) is most commonly required.
- **Social/Behavioral Science:** Psychology and/or sociology may be preferred or required.
- **Statistics:** Biostatistics may be preferred or required.

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| Albany CPHS - NY | | | | | 11 | 16 | 3 | | | | | | 9 | 3 | 3 | 3 | | | 3 | 3 | 9 | | 63 |
| Albany CPHS - VT | | | | | 11 | 16 | 3 | | | | | | 9 | 3 | 3 | 3 | | | 3 | 3 | 9 | | 63 |
| American U Hlth Sci | 3 | 6 | | | 8 | 16 | 3 | | 3 | 3 | | | | 3 | 3 | | 3 | | | 3 | | 6 | 60 |
| Appalachian COP | 3 | 3 | | | 8 | 16 | | | | 6 | | | 3 | 6 | 3 | 8 | | 3 | 3 | | 10 | | 72 |
| Auburn U | | | 4 | 3 | 4 | 16 | | | | 6 | | | 18 | 4 | 4 | | | | | 3 | | 25 | 87 |
| Belmont U | | | | | 8 | 16 | 6 | | | 6 | | | 3 | 3 | | 3 | | | 6 | 3 | 9 | | 63 |
| Binghamton U | 4 | 3 | | 3 | 8 | 16 | | | 3 | 5 | | | | 6 | 3 | 8 | | | 2 | 3 | | | 64 |
| Butler U | | | 8 | | 3 | 16 | | | | | | | | 4 | 3 | | | | | | | | 34 |
| California Hlth Sci U | | 3 | | | 8 | 16 | | | 3 | | | | | 3 | 3 | | | | | | 6 | 30 | 72 |
| California Northstate U | | 3 | | | 7 | 16 | 3 | | | 6 | | | | 3 | | | | | 6 | | | | 44 |
| Campbell U | | | 4 | | 4 | 15 | | | | 6 | | | 12 | 3 | 4 | 4 | | | | 3 | | 8 | 63 |
| Cedarville U | | | 8 | | 8 | 16 | 3 | | | 3 | | | 9 | 4 | 4 | 4 | | | 3 | | 10 | | 72 |
| Chapman U | 4 | 4 | | | 7 | 16 | 3 | | 3 | 3 | | | | 3 | 3 | 4 | | | 3 | 3 | 6 | | 62 |

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| Chicago State U | | | 6 | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | 3 | | | 3 | 3 | | | 54 |
| Concordia U Wisconsin | | | | | 8 | 16 | 3 | | | 3 | | | | 3 | | 3 | | 5 | | 3 | 12 | | 56 |
| Creighton U-Distance | 3 | | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | | 3 | | | | 18 | | 63 |
| Creighton U-Omaha, NE | 3 | | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | | 3 | | | | 18 | | 63 |
| Creighton U-Phoenix, AZ | 3 | | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | | 3 | | | | 18 | | 63 |
| Drake U | | | | | 8 | 16 | 3 | | | 6 | | | | 3 | 3 | | | | | 3 | 18 | | 60 |
| Duquesne U | | | | | 8 | 16 | | 3 | 3 | 6 | 3 | | 15 | 4 | | 3 | 3 | | | 3 | | | 67 |
| D'Youville C | | | | | 12 | 16 | 3 | | 3 | 6 | | | | 4 | | 4 | | | | 3 | 9 | | 60 |
| D'Youville C Online | | | | | 12 | 16 | 3 | | 3 | 6 | | | | 4 | | 4 | | | | 3 | 9 | | 60 |
| East Tennessee St U | | | | | 7 | 16 | 3 | | 3 | 3 | | | | 3 | 4 | 4 | | | | 3 | 6 | 9 | 61 |
| Fairleigh Dickinson U | | | 8 | 3 | 8 | 16 | | | | 3 | | | | 3 | | 4 | | | | 3 | 28 | | 76 |
| Ferris St U | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | 9 | 3 | 3 | | | | 3 | 3 | | | 65 |
| Florida A&M U | | | 8 | 3 | 8 | 16 | | | | 6 | | | 6 | 8 | 4 | 8 | | | 6 | 3 | 6 | | 82 |

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| Harding U | | | | 3 | 8 | 16 | 3 | | 3 | 6 | | | | 4 | 4 | | | | 3 | 3 | 11 | | 64 | |
| High Point U | | 4 | | | 4 | 16 | 3 | | | 6 | | | 6 | 3 | 4 | 3 | | | | | | 16 | | 65 |
| Howard U | | | 6 | 4 | 7 | 16 | 3 | | | 6 | | | 3 | 4 | | 4 | | | 6 | | 6 | | | 65 |
| Husson U | | | 8 | | 8 | 16 | | | | | | | | 4 | | | | | | | 3 | | | 39 |
| Idaho St U | | | 8 | 3 | 4 | 16 | | | 3 | | | | | 3 | 4 | 3 | | | | | 3 | 25 | | 72 |
| Idaho St U - AK | | | 8 | 3 | 4 | 16 | | | 3 | | | | | 3 | 4 | 3 | | | | | 3 | | 25 | 72 |
| Keck Graduate Inst | 4 | 4 | | 3 | 8 | 12 | 3 | | 3 | 6 | | | | 3 | 3 | 3 | | | 3 | 3 | | | | 58 |
| Larkin U | | | 6 | | 14 | 16 | 3 | | | 6 | | | | 3 | | 3 | | | 3 | 3 | 3 | | | 60 |
| Lebanese American U | | 8 | 4 | 4 | 4 | 11 | | 2 | | 6 | | | | | 3 | | | | | | 3 | 15 | 4 | 64 |
| LECOM - FL | | | | | 8 | 16 | | | 3 | 6 | | | | 3 | | 3 | | | 3 | 3 | 9 | | | 54 |
| LECOM - Online | | | | | 8 | 16 | | | 3 | 6 | | | | 3 | | 3 | | | 3 | 3 | 9 | | | 54 |
| LECOM - PA | | | | | 8 | 16 | | | 3 | 6 | | | | 3 | | 3 | | | 3 | 3 | 9 | | | 54 |
| Lipscomb U | | | | | 8 | 16 | 3 | | | 6 | | | | 3 | 4 | | | | | | 3 | 18 | | 61 |

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| Loma Linda U | | | | 3 | 8 | 16 | | | | 6 | | | 12 | | | 4 | | | 12 | | | | | 61 |
| Long Island U | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | 6 | 4 | 4 | 4 | 3 | | | 3 | | | 1 | 69 |
| Manchester U | | | 3 | | 3 | 12 | 3 | | 3 | 3 | | | 6 | 3 | 3 | 3 | | | 3 | 3 | 12 | | | 60 |
| Marshall B Ketchum U | 3 | 3 | | | 6 | 12 | 3 | | 3 | 3 | | | | 3 | 3 | | 3 | | | | | | | 42 |
| Marshall U | 4 | 4 | | | 8 | 12 | | | | 6 | | | | 3 | 4 | 4 | | | 3 | 3 | | | | 51 |
| MCPHS - Boston | | | 3 | | 11 | 15 | 3 | | | 6 | | | | 6 | | 3 | 3 | | 3 | 3 | 9 | | | 65 |
| MCPHS - Manchester | | | 3 | | 7 | 15 | | | 3 | 6 | | | 3 | 6 | 3 | 3 | 3 | | 12 | 3 | | | | 67 |
| MCPHS - Worcester | | | 3 | | 7 | 15 | | | 3 | 6 | | | 3 | 6 | 3 | 3 | 3 | | 12 | 3 | | | | 67 |
| Med C Wisconsin | | | | | 12 | 15 | 3 | | | 3 | | | | 3 | | | | | | 3 | 12 | | | 51 |
| Med U South Carolina | 3 | 3 | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | 3 | 3 | 3 | | | 3 | 9 | | | 66 |
| Mercer U | | | 6 | 3 | 8 | 16 | 3 | | 3 | 6 | | | 6 | 3 | 3 | | | | 6 | 3 | | | | 66 |
| Midwestern U - AZ | 3 | | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | 3 | | | 6 | 3 | 8 | | | 62 |
| Midwestern U - IL | 3 | | | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | 3 | | | 6 | 3 | 8 | | | 62 |

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| NEOMED U | | | 3 | 3 | 8 | 16 | | | | 6 | | | | 3 | 3 | 3 | | | | 3 | 12 | | 60 |
| North Dakota St U | | | 8 | 6 | 8 | 15 | 3 | | 3 | 9 | | | 6 | 4 | 5 | 3 | | | 3 | 3 | | 7 | 83 |
| Northeastern U | | | 8 | 3 | 7 | 15 | | | | | | | 4 | 3 | | 3 | | | | | | | 43 |
| Northeastern U - Dual | | | 8 | 3 | 7 | 15 | | | | | | | 4 | 3 | | 3 | | | | | | | 43 |
| Northeastern U - Transfer | | | 8 | 3 | 7 | 15 | | | | | | | 4 | 3 | | 3 | | | | | | | 43 |
| Notre Dame Maryland U | | | 8 | | 8 | 16 | 3 | | 3 | 6 | 3 | | | 3 | 4 | 3 | | | 6 | 3 | 6 | | 72 |
| Nova Southeastern U | | | 6 | | 8 | 16 | 3 | | | 6 | | | 3 | 3 | | 3 | | 6 | 3 | | 9 | | 66 |
| Ohio Northern U | | | 8 | 6 | 4 | 16 | | | | | | | | 3 | | 3 | | | | 3 | | | 43 |
| Ohio St U, The | | 3 | | 3 | 3 | 17 | | | | | | | | 4 | 3 | | | | | 3 | | | 36 |
| Oregon St U | | 4 | | 4 | 8 | 16 | | | 3 | | | | | 3 | 3 | | | | | 3 | | | 44 |
| Pacific U Oregon | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | 3 | 3 | 3 | 3 | 3 | | 3 | | | | 62 |
| Palm Beach Atlantic U | | | 8 | 3 | 8 | 16 | 3 | | 3 | 6 | | | | 3 | 4 | | | | | 3 | 9 | | 66 |
| PCOM - GA | | | 4 | | 8 | 16 | 3 | | 3 | 6 | | | 3 | 3 | | | | | 3 | 3 | 8 | | 60 |

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| Presbyterian C | | | 6 | | 8 | 16 | 3 | | 3 | 6 | | | 6 | 3 | 4 | 3 | | | 3 | 3 | | | | 64 |
| Purdue U | | | 6 | 3 | 11 | 16 | 3 | | 3 | 3 | | | | 3 | 4 | 4 | | | | 3 | | | | 59 |
| Regis U | 3 | 3 | | | 12 | 20 | 3 | | 3 | 3 | | | | 4 | | | | | 6 | | 6 | 3 | | 66 |
| Roosevelt U | | | 5 | | 6 | 12 | 3 | | 3 | 6 | | | | 3 | | 3 | | | | 3 | 9 | | | 53 |
| Rosalind Franklin U Med Sci | 4 | | | | 6 | 12 | 3 | | | 6 | | | 6 | 3 | 3 | | | | 6 | 3 | 3 | | | 55 |
| Roseman U Hlth Sci | 3 | 3 | | | | 16 | 3 | | | 3 | | | | 3 | 3 | | | | | | | 26 | | 60 |
| Rutgers U | | 3 | | | 9 | 18 | | | 3 | 6 | | | | 4 | | 7 | | | 3 | 3 | 12 | | | 68 |
| Samford U | | | 8 | | | 16 | 3 | | | 6 | | | 6 | 4 | 4 | | | | 3 | 3 | 9 | 2 | | 64 |
| Shenandoah U | | | 6 | | 11 | 16 | 3 | | 3 | 6 | | | 3 | 3 | 3 | 3 | | | 3 | 3 | | | | 63 |
| South College (TN) | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | 9 | 3 | 4 | | | | 6 | 3 | | | | 69 |
| South Dakota St U | 4 | 4 | | | 3 | 16 | 3 | | 3 | 6 | | | | 5 | 4 | | | | | 3 | | | | 51 |
| South U - GA | | | 6 | | 4 | 16 | | | | 3 | | | | 3 | | | | 16 | | | 12 | | | 60 |
| Southern Illinois Edwardsville | | | 8 | | 8 | 18 | 3 | | 3 | 6 | | | | 5 | 4 | 5 | | | 3 | 4 | 3 | | | 70 |

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| Southwestern Oklahoma St U | 4 | | | | 4 | 18 | 3 | 3 | 3 | 6 | | | 12 | 3 | 5 | 3 | 3 | | | | | | | 67 |
| St. John Fisher C | | | | | 12 | 16 | 3 | | 3 | 6 | | | | 3 | | 4 | | | | 3 | 12 | | | 62 |
| St. John Fisher C Online | | | | | 12 | 16 | 3 | | 3 | 6 | | | | 3 | | 4 | | | | 3 | 12 | | | 62 |
| St. John's U | | | 3 | 5 | 3 | 12 | 3 | | | 3 | 3 | | 21 | 3 | | | | | | 3 | | 8 | | 67 |
| St. Louis COP | | | 8 | 3 | 8 | 16 | 3 | | 3 | 6 | | | 3 | 3 | 4 | 4 | | | 3 | 3 | | | | 67 |
| Sullivan U | | | 3 | | 4 | 16 | 2 | | 2 | 6 | | | | 3 | 4 | | | | | 3 | 27 | | | 70 |
| Temple U | | | 6 | | 8 | 16 | | | 3 | 3 | | | 9 | 4 | | 4 | | | 9 | 3 | | | | 65 |
| Texas A&M U | | | | | 11 | 16 | 3 | | | 6 | | | | 3 | 4 | 4 | | | | 3 | 21 | | | 71 |
| Texas Southern U | | | 8 | | 8 | 16 | 3 | | | 9 | | | 15 | 4 | 4 | 4 | | | 3 | 3 | | | | 77 |
| Texas Tech U HSC | | | | | 8 | 16 | 3 | | | 6 | | | 15 | 4 | 4 | 4 | | | | 3 | | 3 | | 66 |
| Thomas Jefferson U | | | 8 | | 8 | 16 | | | | 3 | | | 9 | 3 | 4 | 4 | | | 9 | | 8 | | | 72 |
| Touro C - NY | 4 | 4 | | 3 | 8 | 16 | 3 | | 3 | 3 | | | 6 | 3 | 4 | 4 | | | 6 | | | | | 67 |
| Touro U - CA | | 3 | | | | 16 | | | | | | | | 3 | 4 | | | | | | | | | 26 |

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| U at Buffalo | RQ | RQ | | RQ | RQ | RQ | | | | RQ | | | | RQ | RQ | | | | RQ | RQ | | | RQ |
| U of Arizona, The | | | 8 | | 4 | 16 | | | | 6 | | | 9 | 3 | 4 | 3 | | | 6 | 3 | | | 62 |
| U of Arkansas Med Sci | | | | | 8 | 16 | 3 | | 3 | 6 | | | 3 | 3 | 4 | | 3 | 9 | | 3 | | | 61 |
| U of California, Irvine | | 3 | | 3 | 3 | 16 | 3 | | 3 | 3 | | | | 3 | | | 3 | | | 3 | | | 43 |
| U of California, San Diego | | | | | 8 | 16 | 3 | | 3 | 6 | | | | 6 | | 6 | | | 3 | | | | 51 |
| U of California, San Francisco | | 3 | | | 8 | 16 | 3 | | 3 | 5 | | | | 3 | 3 | | | | 3 | 3 | | 10 | 60 |
| U of Charleston | 4 | 4 | | | 8 | 16 | | | 3 | 6 | | | 3 | 3 | 4 | | | | 3 | 2 | | | 56 |
| U of Cincinnati | | | 8 | 3 | 5 | 20 | | | | 6 | | | | 4 | 4 | 4 | | | | 3 | 15 | | 72 |
| U of Colorado | 3 | 4 | | 3 | 8 | 16 | 3 | | 3 | 6 | | | 9 | 3 | 2 | 3 | | | | | 9 | | 72 |
| U of Connecticut | | | 8 | 4 | 4 | 14 | | | 3 | 7 | | 0 | 9 | 4 | 4 | 4 | | | 3 | | | 3 | 67 |
| U of Findlay, The | | | 8 | | 4 | 16 | 3 | | | 6 | 3 | | | 4 | | 4 | | | | 3 | 15 | | 66 |
| U of Florida | | | 8 | 4 | 8 | 16 | | | | | | | | 4 | 3 | | | | | 3 | | | 46 |
| U of Georgia | | | 6 | 3 | 8 | 16 | 3 | | 3 | 6 | | | | 3 | 3 | | | | 6 | 3 | | 9 | 69 |

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| U of Hawaii Hilo | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | 6 | 3 | 4 | | | | 6 | | | 3 | 66 |
| U of Houston | | | | | 11 | 16 | | | | 6 | | | 18 | 4 | 4 | 3 | | | 3 | 3 | | 3 | 71 |
| U of Illinois Chicago | | | 6 | 3 | 6 | 12 | 3 | | | 3 | | | 3 | 3 | 3 | 3 | | | 3 | 3 | | 3 | 54 |
| U of Iowa, The | 3 | 3 | | 3 | 8 | 14 | | | | 4 | | | | 4 | 4 | 3 | | | | 3 | 16 | | 65 |
| U of Kansas, The | 3 | 4 | | | 3 | 16 | 3 | | | 6 | | | | 3 | 4 | 4 | | | | 3 | | 12 | 61 |
| U of Kentucky | 3 | 3 | | | 4 | 16 | 3 | | | 6 | | | | 4 | 4 | | | | | 3 | 19 | 3 | 68 |
| U of Louisiana Monroe, The | | | 7 | 3 | 6 | 16 | 3 | | 3 | 6 | | | 6 | 3 | 4 | 4 | | | 3 | 3 | | | 67 |
| U of Maryland | | | 6 | | 8 | 16 | 3 | | 3 | 3 | | | | 3 | 4 | 4 | | | | 3 | 12 | | 65 |
| U of Maryland Eastern Shore | | | 8 | | 4 | 16 | 3 | | 3 | 6 | | | | 4 | 4 | 4 | | | | 3 | 12 | | 67 |
| U of Michigan | 3 | 3 | | 3 | 9 | 12 | | | | 3 | | | 6 | 3 | 3 | 3 | | | 6 | 3 | | | 57 |
| U of Minnesota | 3 | 3 | | | 6 | 12 | 3 | | | 3 | | | | 3 | 3 | 3 | | | 6 | 3 | | | 48 |
| U of Mississippi, The | 4 | 4 | | 3 | 12 | 16 | 3 | | 3 | 6 | 3 | | 12 | 3 | 3 | 4 | | | 6 | 3 | | | 85 |
| U of Missouri-Kansas City | 4 | | | | 9 | 16 | 3 | | | 6 | | | 3 | 4 | 4 | 4 | | | | 3 | | 1 | 57 |

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| U of Montana | | | 6 | | 4 | 18 | 3 | | 3 | 3 | | | | 4 | | 5 | | | 3 | 4 | 12 | | 65 |
| U of Nebraska Med Ctr | 4 | 4 | | 3 | 4 | 16 | 3 | | | 6 | | | | 4 | | 8 | | | | 3 | 9 | | 64 |
| U of New England | | | 8 | | 4 | 16 | 3 | | | 3 | | | | 3 | 3 | 3 | | | 9 | 3 | 9 | | 64 |
| U of New Mexico, The | | | 6 | | 8 | 16 | 6 | | 3 | 6 | | | | 3 | 4 | 6 | | | | 3 | 24 | 6 | 91 |
| U of North Carolina Chapel Hill | | | | 3 | 8 | 19 | | | | | | | | 3 | 4 | 8 | | | | 3 | | | 48 |
| U of North Texas HSC | 4 | | | | 11 | 16 | 3 | | | 6 | | | 15 | 3 | 4 | 4 | | | 3 | 3 | | | 72 |
| U of Oklahoma,The | | | | | 8 | | | | | 6 | | | | 3 | 4 | 3 | | | | | 24 | | 48 |
| U of Pittsburgh | | | | | 8 | 16 | | | | 6 | | | 9 | 3 | | | | | 9 | 3 | 6 | | 60 |
| U of Puerto Rico | | | 6 | | 6 | 16 | 3 | | 3 | 6 | | 6 | 6 | 11 | | 8 | 3 | | 6 | | | | 80 |
| U of Rhode Island, The | | | 8 | 3 | 4 | 16 | 3 | | 3 | 3 | 3 | | | 3 | 4 | | | | | 4 | | | 54 |
| U of Saint Joseph | | | 8 | | | 16 | 3 | | 3 | 6 | | | 6 | 3 | 4 | 4 | | 6 | 6 | 3 | | | 68 |
| U of South Carolina | | | 6 | | 8 | 16 | 3 | | 3 | 6 | | | 9 | 3 | 3 | 3 | 3 | | | 3 | | | 66 |
| U of South Florida | | | 8 | 3 | 14 | 16 | | | 3 | 3 | | | 9 | 3 | 3 | 4 | | | 3 | 3 | | | 72 |

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| U of Southern California | | 3 | | 3 | 8 | 16 | | | | | | | | 4 | 3 | | | | | 3 | | | 40 |
| U of Tennessee, The | | | 8 | | 8 | 16 | 3 | | | 6 | | | 6 | 3 | 3 | | | | 6 | 3 | | | 62 |
| U of Texas Austin, The | | | | | 9 | 16 | | | | 3 | | | 3 | 3 | 4 | 4 | | | | 3 | | 24 | 69 |
| U of Texas El Paso, The | | | 8 | 3 | 11 | 16 | 3 | | | 9 | | 3 | 18 | 4 | 4 | 4 | | | 3 | 3 | | 3 | 92 |
| U of Texas Tyler, The | | | 8 | | 8 | 16 | 3 | | | | | | | 3 | 4 | | | | | | | | 42 |
| U of the Incarnate Word | | | 8 | | 4 | 16 | 3 | | | 6 | | | 12 | 3 | 4 | 4 | | | 3 | 3 | 2 | | 68 |
| U of the Pacific | | 4 | | | 8 | 16 | 3 | | 3 | 6 | | | 9 | 4 | 3 | 4 | 3 | | | | 28 | | 91 |
| U of the Sci Philadelphia | | | 6 | | 8 | 16 | 3 | | 3 | 6 | | | 6 | 3 | 4 | 4 | | | 3 | 3 | | | 65 |
| U of Toledo, The | | 3 | | | 5 | 18 | | | | 6 | | | | 4 | | 4 | | | | 3 | | | 43 |
| U of Utah | 3 | 3 | | | | 16 | 3 | | | | | | | 3 | 3 | 3 | | | | 3 | 3 | | 40 |
| U of Washington | | | 6 | 4 | 8 | 16 | 3 | | 3 | 6 | | | 3 | 3 | 4 | | | | 3 | 3 | | | 62 |
| U of Wisconsin - Madison | | 4 | | | 8 | 16 | | | | 3 | | | 6 | 4 | 3 | 4 | | | 3 | 3 | | 3 | 57 |
| U of Wyoming | 4 | 4 | | 4 | 8 | 16 | | | | | | | | 4 | 4 | | | | | 4 | | | 48 |

AACP Course Prerequisite Summary

| 2021-2022 Pharm.D. Degree Programs in the U.S. | Anatomy* | Physiology* | Anatomy & Physiology* | Biochemistry | Biology/Biological Science | Chemistry | Communication / Speech | Computer Science | Economics | English Composition / Writing | Ethics | Foreign Language | Humanities | Math | Microbiology | Physics | Psychology | Science/Math Elective(s) | Social/Behavioral Science | Statistics | General Elective(s)** | Other*** | Grand Total |
|--|----------|-------------|-----------------------|--------------|----------------------------|-----------|------------------------|------------------|-----------|-------------------------------|--------|------------------|------------|------|--------------|---------|------------|--------------------------|---------------------------|------------|-----------------------|----------|-------------|
| Union U | | | 8 | | 8 | 16 | 3 | | | 6 | | | | 3 | 4 | 4 | | | | 3 | 6 | | 61 |
| Virginia Commonwealth U | 3 | 3 | | 3 | 8 | 16 | | | | 6 | | | | 3 | 3 | 4 | | | | 3 | | | 52 |
| Washington St U | 4 | 4 | | 4 | | 8 | | | | | | | 12 | 3 | 4 | | | | | 3 | | | 42 |
| Wayne St U | | | 6 | 4 | 4 | 15 | 3 | | | 6 | | | | 4 | 5 | 4 | | | | 3 | | 15 | 69 |
| West Coast U | 3 | 3 | | 3 | 8 | 16 | 3 | | 3 | 6 | | | | 3 | 3 | | | | 3 | 3 | 6 | | 63 |
| West Virginia U | | 3 | | 3 | 8 | 16 | 3 | | 3 | 6 | | | | 3 | 3 | | | | | 3 | 9 | | 60 |
| Western New England U | | | 8 | | 8 | 16 | | | 3 | 6 | | | | 3 | 3 | 4 | 3 | | 3 | 3 | | | 60 |
| Western U Hlth Sci | | 3 | | 3 | 3 | 16 | 3 | | | 6 | | | | 3 | 3 | | | | | | | 6 | 46 |
| Wilkes U | | | | | 8 | 16 | 3 | | 3 | | | | | 4 | | 4 | | | | 3 | | | 41 |
| William Carey U | | | 8 | | 8 | 16 | 3 | | 3 | 6 | | | | 3 | | 3 | | | 6 | 3 | 9 | | 68 |
| Wingate U | | | 4 | | 4 | 16 | | | | 6 | | | 12 | 3 | 4 | 4 | | | | 3 | 6 | | 62 |
| Xavier U Louisiana | | | | | 8 | 16 | 3 | | | 6 | 3 | | 3 | 4 | 4 | 4 | | | 3 | 3 | | | 57 |

AACP Course Prerequisite Summary

| 2021-2022 Pharm.D. Degree Programs in the U.S. | Anatomy* | Physiology* | Anatomy & Physiology* | Biochemistry | Biology/Biological Science | Chemistry | Communication / Speech | Computer Science | Economics | English Composition / Writing | Ethics | Foreign Language | Humanities | Math | Microbiology | Physics | Psychology | Science/Math Elective(s) | Social/Behavioral Science | Statistics | General Elective(s)** | Other*** | Grand Total |
|--|----------|-------------|-----------------------|--------------|----------------------------|-----------|------------------------|------------------|-----------|-------------------------------|--------|------------------|------------|------|--------------|---------|------------|--------------------------|---------------------------|------------|-----------------------|----------|-------------|
| Grand Total of Credit Hours for All Pharm.D. Programs | 120 | 150 | 501 | 167 | 1098 | 2403 | 308 | 8 | 236 | 714 | 21 | 9 | 516 | 529 | 388 | 403 | 57 | 45 | 341 | 366 | 835 | 235 | 9450 |
| # of Programs with Course Prerequisites in Subject | 35 | 43 | 75 | 50 | 148 | 153 | 101 | 3 | 79 | 132 | 7 | 3 | 72 | 152 | 108 | 104 | 19 | 6 | 75 | 121 | 72 | 28 | |
| % of Programs with Course Prerequisites in Subject | 23% | 28% | 48% | 32% | 95% | 99% | 65% | 2% | 51% | 85% | 5% | 2% | 46% | 98% | 70% | 67% | 12% | 4% | 48% | 78% | 46% | 18% | |
| Mean # of Semester Hours Required in Subject** | 3.4 | 3.6 | 6.7 | 3.3 | 7.4 | 15.7 | 3.0 | 2.7 | 3.0 | 5.4 | 3.0 | 3.0 | 7.7 | 3.5 | 3.6 | 3.9 | 3.0 | 7.5 | 4.5 | 3.0 | 11.6 | 8.4 | 61.4 |
| Median # of Semester Hours Required in Subject** | 3 | 3 | 8 | 3 | 8 | 16 | 3 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 4 | 4 | 3 | 6 | 3 | 3 | 9 | 6 | 63 |

* Most colleges and schools of pharmacy (80%) require one or more courses in anatomy and/or physiology and will accept separate courses OR combined A&P I and II courses. Labs requirements vary. Visit the PharmCAS School Directory for school-specific details.

**The general electives and other category may include course prerequisites in multiple subject areas.

*** The mean and median calculations only include programs with one or more course prerequisites in the subject.

RQ: School requires one or more courses in subject but did not specify the number of semester hours required.

Colleges and schools of pharmacy may change course prerequisites for the Doctor of Pharmacy (Pharm.D.) degree program at any time and may have additional requirements, preferences, or policies that are not reflected in this summary or on the PharmCAS School Directory.

Schools may also allow applicants to substitute courses or choose different prerequisite tracks. Applicants should review the PharmCAS School Directory for program-specific details and contact programs directly to determine whether a particular course will fulfill a prerequisite.

Some colleges and schools of pharmacy have more than one pathway or campus for Pharm.D. degree students.