***Academic Considerations for Admission to Health Profession Training Programs***

Different programs require different skill sets, and pre-requisite courses are designed to help you develop the skills you’ll need. Each program is a little different from the others, and there are even schools within the same profession that want you to have different background preparation. Math is the best example – some medical schools require no math courses (although most applicants need some math background to take their science courses), and some may require up to two semesters of calculus and statistics. So, there’s no easy way to know exactly what courses to take, but the following is a basic guideline for a few of the programs.

Click on the links for summary charts regarding pre-requisites, created by each health profession’s professional association.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement | WKU Course | Med | Dental | [Opt](http://www.optomcas.org/index.php?option=com_content&view=article&id=10&Itemid=8) | [Pharm](http://www.aacp.org/career/grants/Documents/2012-13%20PharmacyPre-RequisiteInformation.pdf) | [Phys Asst](http://www.paeaonline.org/index.php?ht=d/sp/i/25515/pid/25515) | [Phys Therapy](http://www.apta.org/uploadedFiles/APTAorg/Educators/Curriculum_Resources/APTA/PTCAS/PTCAS_CoursePrereqSummary_1011.pdf#search=%22prerequisite%22) | [Podiatry](http://www.aacpm.org/html/careerzone/require.asp) | [Vet Med](http://www.aavmc.org/data/files/vmcas/prerequisite_chart_2013.pdf) |
| Chem I w/lab | CHEM 120 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chem II w/lab | CHEM 222 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Organic I w/lab | CHEM 340 | ✓ | ✓ | ✓ | ✓ | some |  | ✓ | ✓ |
| Organic II w/lab | CHEM 342 | ✓ | ✓ | ✓ | ✓ | some |  | ✓ | ✓ |
| Biology I w/lab | BIOL 120 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Biology II w/lab | BIOL 122 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Physics I w/lab | PHYS 231 or 255 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Physics II w/lab | PHY 322 or 265 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Calculus | MATH 142 or 136 | some |  |  |  |  | few |  | some |
| Statistics | Many  | some | some |  |  |  | ✓ |  | some |
| Biochem | BIOL 446 | some | few |  |  |  |  |  | many |
| Microbio | BIOL 226 |  | few | some | some | some | some |  | some |
| Intro Anatomy & Physiology w/lab | BIOL 131 |  | few | some | some | some | ✓ |  | some |
| English | ENG 100 + 300 | most | many | some | some | some |  | ✓ | some |
| Others |  | PSY/SOC for MCATAdvanced Biology | Advanced Biology | PSY., other humanitiesor social sciences | ECON, COMM | PSY (intro and abnormal) | PSY, social sciences | Advanced Biology | Varies widely |

**All requirements must be taken for a grade, not P/D/F.** While this handout is representative of the general requirements, specific schools may have specific requirements. While these are the most common requirements for admission to a health professions training program, individual schools and professions may have additional requirements. For example, Texas schools require another full year of Biology courses.