UMBC Pre-Pharmacy Requirements

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| Requirement | Credits | UMBC Course | UMBC Title |
| English | 6 | ENGL 100 | (3) | Composition |
| ENGL \*\*\* | (3) | Any Literature Course |
| Mathematics and Statistics | 8 | MATH 151 | (4) | Calculus and Analytical Geometry I |
| STAT 350 | (4) | Statistics with Applications in the Biological Sciences |
| Biology | 29 | BIOL 141  | (4) | Foundations of Biology: Cells, Energy and Organisms |
| BIOL 142 | (4) | Foundations of Biology: Ecology and Evolution |
| BIOL 251 | (3) | Human Anatomy and Physiology I |
| BIOL 252  | (3) | Human Anatomy and Physiology II |
| BIOL 275 | (3) | Microbiology |
| BIOL 275L | (2) | Microbiology Laboratory |
| BIOL 300L |  (2) | Experimental Biology Laboratory |
| BIOL 302 |  (4) | Molecular and General Genetics  |
| BIOL 430/ CHEM 437 | (4) | Biological Chemistry or Comprehensive Biochemistry I |
| Chemistry | 20 | CHEM 101 | (4) | Principles of Chemistry I |
| CHEM 102 | (4) | Principles of Chemistry II |
| CHEM 102L | (2) | Introductory Chemistry Lab I |
| CHEM 351 | (3) | Organic Chemistry I |
| CHEM 351L | (2) | Organic Chemistry Laboratory I |
| CHEM 352 | (3) | Organic Chemistry II |
| CHEM 352L | (2) | Organic Chemistry Laboratory II |
| Physics | 8 | PHYS 111 | (4) | Basic Physics I |
| PHYS 112 | (4) | Basic Physics II |
| Arts &Humanities (AH) or Social Sciences (SS) | 18 | AH \*\*\* or SS\*\*\* | (12) | Electives – no studio classes |
| SPCH 100 | (3) | Public Communication |
| ECON 101 | (3) | Principles of Microeconomics |

**Total Credits: 89**

Admissions requirements vary slightly among Pharmacy programs. The above course requirements are designed to meet the requirements of most schools. For the specific requirements of each school and additional information regarding Pharmacy, please visit the following websites:

* <http://www.pharmcas.org>
* [http://www.aacp.org](http://www.aacp.org/site/page.asp?TrackID=&VID=1&CID=29&DID=3022)

For questions regarding the UMBC Pre-Pharmacy requirements please contact:

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