


**University of  
Nebraska  
Medical  
Center**
**College of  
Pharmacy-  
Pre-Pharmacy  
Curriculum  
Transfer  
Guide**

For more information contact:

Office of Student Services  
Metropolitan Community College  
Elkhorn Valley Campus  
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University of Nebraska  
Medical Center  
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[www.unmc.edu/pharmacy/](http://www.unmc.edu/pharmacy/)

The UNMC College of Pharmacy requires a minimum of 90 Semester Hours for admission into the Pharmacy program of study. The following table lists the college's specific requirements and the MCC courses that fulfill them. Additional higher level courses must be taken at a four-year college to fulfill UNMC College of Pharmacy admission requirements.

| UNMC College of Pharmacy Requirements        | Sem. Hrs  | MCC courses that fulfill requirements  |  |   | Quarter Hours  |
|--|-----------|--|--|---|----------------|
| <b>I. Chemical and Physical Sciences</b>     | <b>31</b> |  |  |   | <b>46</b>      |
| General Chemistry w/Lab                      | 8         | CHEM 1210&1211   |  | General Chemistry I: Parts I & II <b>OR</b>             | 6              |
|  |           | CHEM 1212  |  | General Chemistry I: Accelerated <b>AND</b>             | 6              |
|  |           | CHEM 1220  |  | General Chemistry II                                    | 6              |
| Organic Chemistry w/Lab                      | 8         |  |  | <i>4-year institution course recommended</i>            |                |
| Biochemistry                                 | 3         |  |  | <i>4-year institution course recommended</i>            |                |
| Quantitative Chemical Analysis               | 4         |  |  | <i>4-year institution course recommended</i>            |                |
| Physics w/Lab                                | 8         | PHYS 110ABC & PHYS 111ABC - Principles of Physics I & II* <b>OR</b><br>PHYS 210ABC & PHYS 211ABC – General Physics I & II* |  |   | 15<br>15       |
| <b>II. Biological Science</b>                | <b>18</b> |  |  |   | <b>27</b>      |
| Biological/Life Sciences w/Lab               | 4         | BIOS 1010  |  | Introduction to Biology <b>OR</b>                       | 6              |
|  |           | BIOS 1111, 1121 & 1130   |  | Biology I, II & III                                     | 15             |
| Genetics                                     | 3         | BIOS 2050  |  | Genetics  | 4.5            |
| Molecular Biology                            | 3         |  |  | <i>4-year institution course recommended</i>            |                |
| Anatomy                                      | 4         |  |  | <i>4-year institution course recommended</i>            |                |
| Physiology                                   | 4         |  |  | <i>4-year institution course recommended</i>            |                |
| <b>III. Oral &amp; Written Communication</b> | <b>9</b>  |  |  |   | <b>13.5</b>    |
| English Composition I                        | 3         | ENGL 1010  |  | English Composition I                                   | 4.5            |
| English Composition II                       | 3         | ENGL 1020  |  | English Composition II                                  | 4.5            |
| Speech                                       | 3         | SPCH 1110  |  | Public Speaking   | 4.5            |
| <b>IV. Analytical Sciences</b>               | <b>7</b>  |  |  |   | <b>10.5</b>    |
| Calculus I                                   | 4         | MATH 2410  |  | Calculus  | 7.5            |
| Statistics / or Biostatistics                | 3         | MATH 1410  |  | Statistics  | 4.5            |
| <b>V. Administrative Sciences</b>            | <b>6</b>  |  |  |   |                |
| Accounting                                   | 3         | ACCT 1100&1110   |  | Accounting I & II                                       | 8              |
| Economics                                    | 3         | ECON 1000<br>ECON 1100   |  | Macroeconomics <b>OR</b><br>Microeconomics              | 4.5<br>4.5     |
| <b>VI. Behavioral &amp; Social Sciences</b>  | <b>6</b>  |  |  |   |                |
| Psychology                                   | 3         | PSYC 1010  |  | Introduction to Psychology                              | 4.5            |
| Developmental Psychology                     | 3         | PSYC 1120  |  | Human Growth & Development                              | 4.5            |
| <b>VII. General Education</b>                | <b>13</b> |  |  |   | <b>19.5</b>    |
|  | 6         | Select at least 2 courses from list below  |  |   | 9              |
| Gerontology                                  |           | SOCI 2110  |  | Introduction to Gerontology                             | 4.5            |
| Humanities                                   |           | HUMS Any   |  |   | 4.5            |
| History                                      |           | HIST Any   |  |   | 4.5            |
| Ethics                                       |           | PHIL 2030<br>PHIL 1030   |  | Introduction to Ethics <b>OR</b><br>Professional Ethics | 4.5<br>4.5     |
| Critical Thinking                            |           | PHIL 1100  |  | Critical Reasoning                                      | 4.5            |
| Philosophy                                   |           | PHIL 1010  |  | Introduction to Philosophy                              | 4.5            |
| Business Administration/Management           |           | BSAD Any   |  | Any   | 4.5            |
| Fine Arts                                    |           | Fine Arts – Any  |  |   | 4.5            |
| Foreign Languages                            |           | Foreign Languages - Any  |  |   | 4.5            |
| Political Science                            |           | POLS Any   |  |   | 4.5            |
| Additional courses from any category above   | 7         | Select 3 more courses from any category above, or 2 courses if one includes a Lab.   |  |   | 10.5 -<br>13.5 |

\*Principals of Physics I&II are algebra based, General Physics I & II calculus based. Calculus-based courses are preferred.



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## NOTES:

The applicability of transferred credits to entrance and degree requirements or petitions for advanced standing is determined by the Dean of the College and the Admissions Committee on an individual basis after all necessary information is submitted. Credits must be earned at a fully accredited institution of higher learning. Credits not considered applicable include: **1)** those graded less than "C", "I" (incomplete), "W" (withdrawal), or audit; **2)** those completed but not given for credit; **3)** activity courses in physical education, or **4)** courses taken for "advanced placement" (AP) credit.

The student needs to complete a minimum of 90 semester hours before he/she is eligible to apply for admission to the UNMC College of Pharmacy. UNMC will accept up to 66 semester hours (99 quarter hours) See the UNMC College of Pharmacy catalog for required courses not offered at MCC.

Completion of the listed requirements does not guarantee admission to the UNMC College of Pharmacy. **Many students who are admitted have earned their bachelor's degree.** Students should anticipate transferring to a four-year institution to finish requirements, and to work toward a bachelor's degree if not immediately accepted into the UNMC College of Pharmacy.

UNMC's College of Pharmacy believes the educational opportunities community colleges provide should help students achieve at higher levels. Therefore, UNMC's College of Pharmacy expects students from community colleges to have high grade point averages.

The Pharmacy program admits approximately 60 students in the fall of each year. **December 1 is the application deadline.** Admission into the College of Pharmacy is very competitive. The following are considered for admission:

- Minimum total GPA of 3.0. Students admitted into the UNMC Pharmacy program average between 3.5 to 3.7.
- Three letters of recommendation
- Demonstrated leadership through extra-curricular activities and volunteer work
- Communication skills assessed through interview and essay

Upon completion of UNMC's College of Pharmacy program, the student will be awarded a Doctor of Pharmacy degree.

Upon entering the UNMC College of Pharmacy:

1. The student shall possess strong writing skills, including:
  - The ability to succinctly express thoughts in writing
  - The ability to use correct grammar, spelling and punctuation
2. The students shall possess strong speaking skills, including:
  - The ability to verbally express thoughts in a coherent manner while using correct grammar
  - The ability to verbally interact with others
3. The student shall possess strong reading skills, including the ability to read and interpret general, scientific and technical literature.
4. The student shall possess a strong foundation in the chemical and biological sciences, including:
  - The ability to describe the structure and properties of chemical systems
  - The ability to describe the structure and function of biological systems at the cellular level
5. The student shall possess strong skills in mathematics, including:
  - The ability to understand algebraic expressions and their associated graphical representations
  - The ability to solve problems involving complex algebraic expressions
  - The ability to apply mathematical reasoning to the understanding of chemical, physical and biological systems
6. The student shall possess basic skills in the use of computer technology, including:
  - The ability to use word processing software
  - The ability to construct spreadsheets for the analysis of data
  - The ability to use graphics software
  - The ability to use email functions
  - The ability to navigate the Internet