

**DEGREE/PROGRAM CHANGE
FORM C**

Fields marked with * are required

Name of Initiator: Donald Godwin **Email:** * dgodwin@unm.edu **Date:** * 01-09-09
Phone Number: * 505 272-0907 Initiator's Rank / Title* Assistant Dean: Deans Office Administration
Faculty Contact* Donald Godwin Administrative Contact* Krystal Weaver
Department* College of Pharmacy
Division **Program** Doctor of Pharmacy
Branch

Proposed effective term:

Semester Fall ▼ Year 2011 ▼

Course Information

Select Appropriate Program Graduate Degree Program ▼ CIP Code
Name of New or Existing Program * Doctor of Pharmacy Prerequisites
Catalog Page Number 584 Select Category Degree ▼ Degree Type Professional
Select Action Revision ▼

Exact Title and Requirements as they should appear in the catalog.

See current catalog for format within the respective college (enter text below or upload a doc/pdf file)

[PharmD Pre-requisite Title and Requirements.pdf](#)

This Change affects other departmental program/branch campuses

Reason(s) for Request * (enter text below or upload a doc/pdf file)

See attached file

[PharmD prerequisite changes reasons.pdf](#)

Statements to address budgetary and Faculty Load Implications and Long-range planning

* (enter text below or upload a doc/pdf file)

See attached file

[PharmD prerequisite changes budget and faculty load implications.pdf](#)

Change for Page 584

	Credit hours
Molecular and Cell Biology	4
Genetics	4
Hum Anatomy and Physiology I	3
Hum Anatomy and Physiology II	3
Microbiology with lab	4
General Chemistry I and lab	4
General Chemistry II and lab	4
Organic Chemistry I and lab	4
Organic Chemistry II and lab	4
Introductory Biochemistry	3
Microeconomics	3
Composition I	3
Composition I	3
Statistics	3
Calculus I	3
General Physics I	3
General Physics II	3
Communication Selective	6
Critical Thinking Selective	6
General Electives	21
Total Hours	91

Change for page 586

Recommended First Pre-Professional Year

Fall Semester	Credits
ENGL 101: Composition I	3
Selective A or B	3
General Elective	3
General Elective	3
	12

Spring Semester	Credits
ENGL 102: Composition II	3
MATH 180: Calculus I ¹	3
CHEM 121: General Chemistry I	3
CHEM 123L: General Chemistry I Lab	1
ECON 106: Microeconomics	3
General elective	3
	16

Recommended Second Pre-Professional Year

Fall Semester	Credits
CHEM 122: General Chemistry II	3
CHEM 124L: General Chemistry II Lab	1
BIOL 201L: Molecular and Cell Biology	4
PHYS 151: General Physics I ³	3
General Elective	3
Selective A or B	3
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	17

Spring Semester

	Credits
CHEM 301 Organic Chemistry I	3
CHEM 303L Organic Chemistry I Lab	1
BIOL 202L: Genetics	4
BIOL 237: Human Anatomy and Physiology I	3
General Elective	3
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	14

Recommended Third Pre-Professional Year

Fall Semester	Credits
CHEM 302 Organic Chem II	3
CHEM 304L Organic Chem II Lab	1
BIOL 238 Human Anatomy and Physiology II	3
PHYS 152: General Physics II ⁴	3
Selective A or B	3
General Elective	3
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	16

Spring Semester

	Credits
BIOC 423: Introductory Biochemistry	3
MATH 145 Statistics ⁵	3
BIOL 239L Microbiology/Hlth Sci ²	3
Selective A or B	4
General Elective	3
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	16

Purpose: To change from a 2-year (64 semester hour) prerequisite program to a 3-year (91 semester hour) prerequisite program effective for entering class of 2011

- 1. Provides an additional year of academics to evaluate prospective students, while increasing their academic maturity**
 - a. 40 – 45% of current students enter COP with a previous degree
 - b. Average student has 3.5 years of undergraduate (UG) education
 - c. Only 5% of students enter pharmacy school after 2 years of UG education
- 2. Three years of pre-pharmacy education allows Pharm.D. students to be considered as professional/graduate students all four years for financial aid purposes.**
 - a. US Dept of Education requires professional/graduate students to complete 3 years of UG education before being classified as Grad/Prof students
- 3. Applicants will be one year closer to a baccalaureate degree in the event they are denied admission.**
 - a. The re-applicants can work towards their degree taking upper division courses while improving their academic readiness.
- 4. There are a growing number of pharmacy programs requiring greater than 70 semester hours of prerequisites.**

Schools requiring baccalaureate degree before matriculation

1. Touro University
2. University of California – San Diego
3. University of California – San Francisco
4. Ohio State University

≥ 80 semester hours of prerequisite courses

- | | |
|-------------------------------------|--|
| 1. Auburn University (83) | 7. Virginia Commonwealth University (90) |
| 2. University of Pacific (93) | 8. Washington State University (82) |
| 3. Albany College of Pharmacy (80) | 9. University of Colorado (90) |
| 4. University of Oklahoma (82 – 92) | |
| 5. Duquesne University (92) | |
| 6. University of Tennessee (90) | |

70-79 semester hours of prerequisite courses

- | | |
|---|--------------------------------------|
| 1. University of Arkansas (67-71) | 6. Northeastern Ohio University (72) |
| 2. UCSD (70) | 7. Oregon State University (70) |
| 3. University of Florida (71) | 8. Texas A&M – Kingsville (72-75) |
| 4. Southern Illinois University Edwardsville (70) | 9. Texas Southern University (71) |
| 5. University of Kentucky (70) | 10. Texas Tech (68-71) |
| | 11. University of Houston (71) |

The requested changes to the Doctor of Pharmacy prerequisite courses are a part of the strategic plan for the College of Pharmacy. Schools and colleges of pharmacy around the country are changing their prerequisites in a similar manner and accreditation requirements are slowly pointing the way towards a requirement of a baccalaureate degree before admittance to any pharmacy school. It is anticipated that this will occur in the next 10 years and this increase from 64 to 91 credit hours is a first step in preparing New Mexican students for this change.

These requested changes do not affect the budget or teaching load of College of Pharmacy faculty members, but may have a minor effect on other Colleges. The only two new courses the College of Pharmacy are requiring as prerequisites are General Physics II and Introductory Biochemistry. General Physics II generally has a least a hundred open seats for their offerings (we are not requiring the lab) and the College of Pharmacy has made arrangements with the Department of Biochemistry in the School of Medicine to be able to offer an additional section of BIOC 423 to accommodate pre-pharmacy students. The other major change is the increase from 6 to 21 hours of general electives, but these will be spread out across the University. In addition, there are only approximately 150-200 pre-pharmacy students at the University of New Mexico in any one year.

These changes to prerequisite courses are also being changed to better reflect our actual student applicant population. Only approximately 5% of our students only have 2 years of undergraduate education (all 89 of our first year students had more than 2 years of undergraduate education for our latest incoming class) and between 40% and 50% already possess a previous degree.

In all, it is anticipated that the proposed changes will have a minimum impact on the University of New Mexico budget or faculty loads.