



School of

# Pharmacy



## School of Pharmacy

Responding to the national need for pharmacists, believing that pharmacy complements the University's other academic strengths, and sensing God's leading to embrace the opportunity to engage healthcare through a Christ-centered pharmacy program, the trustees of Cedarville University commissioned the establishment of the School of Pharmacy in 2007. The Pharmacy Advisory Council, comprised of pharmacy and health care professionals from around the nation, was formed to provide guidance for the development of the program. Additionally, a national search for the founding dean was launched, culminating in December 2008 with the announcement of Dr. Marc Sweeney as dean.

Through the School of Pharmacy the University is developing a program which, pending appropriate approvals from the Ohio Board of Regents, the Higher Learning Commission of the North Central Association of Colleges and Schools ([www.ncahlc.org](http://www.ncahlc.org)), and the Accreditation Council for Pharmacy

Education, will culminate in the doctorate of pharmacy (Pharm.D.), the credential now required for pharmacy licensure in the United States. The seven-year curriculum consists of two components, a 3-year pre-pharmacy portion and a 4-year graduate-level, pharmacy portion.

The pre-pharmacy curriculum compares closely to course requirements for other majors pursued by students entering health professions, including the Bachelor of Arts or Bachelor of Science degrees with a major in biology and the Bachelor of Arts degree with a major in chemistry. Though designed specifically to meet the requirements of the Cedarville University School of Pharmacy, the pre-pharmacy curriculum will prepare students for admission to any pharmacy program. Students interested in pursuing admission to other schools of pharmacy should work closely with pharmacy faculty advisors to insure that they are meeting any specific requirements and deadlines required by those schools.

## Admissions Requirements

Cedarville University utilizes a direct entry approach for admission to the School of Pharmacy. This means that students compete for admission as incoming new students to the pre-pharmacy curriculum. If they gain admission as new students, their admission to the final four years of graduate level education is guaranteed, provided they meet the requirements to continue in the program. This approach enables students to focus on enjoying their undergraduate education as pre-pharmacy students, not competing for admission to graduate school.

Admission to the School of Pharmacy involves two steps. First, students must obtain admission to the University. Second, students must compete for admission to the School of Pharmacy. That competition begins with an invitation by the Pharmacy Admissions Committee to apply for admission to the School of Pharmacy. Those invitations are based upon the following criteria:

1. Declared interest in pharmacy
2. High school curriculum
3. Cumulative high school grade point average
4. Class rank
5. ACT composite and subscores of at least 23 (or SAT subscores of at least 530)

The Pharmacy Admissions Committee begins inviting students to apply by the first week of December. The application process involves submitting an essay and scheduling an interview with the Pharmacy Admissions Committee. Final selection is based upon performance in the interview and on the essay.

To continue as a pre-pharmacy student and move into the graduate-level, pharmacy portion of the curriculum, students must meet the following requirements:

1. Earn a cumulative grade point average of at least 3.25 by the end of the freshman year.
2. Earn a cumulative grade point average of at least 3.30 at the end of each of the following years of the pre-pharmacy program.
3. Complete all of the curricular requirements (including the general education language requirements) of the pre-pharmacy program.
4. Obtain a PCAT score (Pharmacy College Admissions Test) at the 50th percentile or above.
5. Satisfy the professional accreditation requirement of a successful professional interview with the faculty of the School of Pharmacy.



## Career Opportunities

Students who graduate from an accredited school or college of pharmacy and obtain licensure as pharmacists may consider some of the following options:

- Clinical specialist in cardiology, oncology, nutrition, infectious disease, diabetes mellitus, psychiatry, etc.
- Community pharmacist
- Compounding pharmacist
- Consultant pharmacist in geriatrics, palliative care, etc.
- Hospital pharmacist
- Long-term care pharmacist
- Managed care pharmacist
- Nuclear pharmacist
- Pediatrics pharmacist

## Faculty

**Marc Sweeney**, Dean, School of Pharmacy, Professor of Pharmacy Practice. *Education*: B.S., Pharm., Ohio Northern University, 1993; Pharm.D., The Ohio State University, 1997; M.Div., Southwest Bible College and Seminary, 2006. At Cedarville since 2008.

**Jeffrey Lewis**, Assistant Dean, School of Pharmacy, Associate Professor of Pharmacy Practice. *Education*: B.S., Pharm., Ohio Northern University, 1986; Pharm.D., University of Cincinnati, 1988, MACM, Malone University, 2004. At Cedarville since 2009.

**Douglas Anderson**, Chair, Department of Pharmacy Practice, Professor of Pharmacy Practice. *Education*: B.S., Pharmacy, University of Oklahoma, 1988; Pharm.D., University of Oklahoma, 1992. At Cedarville since 2009.

**Elisha Injeti**, Director of Research and Development, Assistant Professor of Pharmacology. *Education*: B.S., Pharmaceutical Sciences, Andhra University, 1995; M.S., Pharmaceutical Sciences, Andhra University, 1997; Post Baccalaureate Certificate, Biomedical and Clinical Ethics, Loma Linda University, 2002; Ph.D., Pharmacology, Loma Linda University, 2008.



## Prepharmacy

Cedarville University is in the process of developing and obtaining accreditation for a School of Pharmacy which will culminate in the degree of Doctor of Pharmacy. Our **prepharmacy curriculum** is designed as a three-year curriculum preparing students for entrance to our School of Pharmacy. Students admitted to the prepharmacy program who meet required standards each of the three years and pass other entrance requirements being developed for the School of Pharmacy are guaranteed admission to Cedarville's four-year professional program. Entrance to the prepharmacy program is competitive and requires completion of special admissions processes including an on-campus interview. It is recommended that students apply to the University for admission into the prepharmacy program by the end of November prior to their entrance to the University.

The prepharmacy requirements listed below fit well with several existing degree programs offered by the science and mathematics department. These include the Bachelor of Science degree with a major in biology, the Bachelor of Arts degree with a major in biology, and the Bachelor of Arts degree with a major in chemistry.

Cedarville's development of a School of Pharmacy and offering of the Doctor of Pharmacy degree is contingent upon receipt of accreditation by the Accreditation Council for Pharmacy Education; the Ohio Board of Regents; and The Higher Learning Commission of the North Central Association of Colleges and Schools ([www.ncahlc.org](http://www.ncahlc.org)).

*The following 100-hour program should be included in the three years the prepharmacy student attends Cedarville.*

<b>Biblical Education</b> .....	<b>16</b>
BEGE-1710 Christian Life and Thought .....	3
BEGE-1720 Spiritual Formation .....	3
BEGE-2730 Old Testament Literature .....	3
BEGE-2740 New Testament Literature .....	3
BEGE-3750 Christian Worldview Development .....	2
BEGE-3760 Christian Worldview Integration .....	2
<b>Communication</b> .....	<b>6</b>
COM-1100 Fundamentals of Speech .....	3
ENG-1400 Composition .....	3
<b>Humanities</b> .....	<b>6</b>
HUM-1400 Intro. to the Humanities .....	3
Literature Elective .....	3
<b>Physical Education</b> .....	<b>2</b>
PEF-1990 Physical Activity and the Christian Life .....	1
Physical Education Activity Elective .....	1
<b>Science and Mathematics</b> .....	<b>49</b>
BIO-1110 Introduction to Biology .....	4
BIO-2210 Microbiology .....	4
BIO-2250 Cell Biology .....	4
BIO-3450, 3460 Human Structure and Function I, II .....	7
BIO-4350 Immunology .....	4
CHEM-1110, 1120 General Chemistry I, II .....	8
CHEM-3510 Organic Chemistry I .....	5
CHEM-3525 Organic Chemistry II for Biologists .....	4
MATH-1710 Calculus I .....	5
PHYS-2110 General Physics I .....	4
<b>Social Sciences and History</b> .....	<b>9</b>
GSS-1100 Politics and American Culture .....	3
History Elective .....	3
Social Science/Global Awareness Elective .....	3

<b>Prepharmacy</b> .....	<b>12</b>
PHAR-1011 Profession of Pharmacy-History and Issues .....	1
PHAR-1012 Profession of Pharmacy-History and Issues .....	1
PHAR-2013 Profession of Pharmacy-Careers .....	1
PHAR-2014 Profession of Pharmacy-Careers .....	1
PHAR-2100 Biostatistics .....	3
PHAR-3000 Pharmacy Activity .....	1-2
PHAR-3200 Pharmacy Calculations .....	2

A complete description of the general education requirements is found on page 24.

### Suggested Three-Year Curriculum for Pre-Pharmacy

#### First year:

BEGE-1710 Christian Life and Thought .....	3
BEGE-1720 Spiritual Formation .....	3
BIO-1110 Introduction to Biology .....	4
CHEM-1110, 1120 General Chemistry I, II .....	8
COM-1100 Fundamentals of Speech .....	3
ENG-1400 Composition .....	3
MATH-1710 Calculus I .....	5
PEF-1990 Physical Activity and the Christian Life .....	1
PHAR-1011, 1012 Profession of Pharmacy I, II .....	2
Physical Education Activity Elective .....	1
<b>Total</b> .....	<b>33</b>

#### Second year:

BEGE-2730 Old Testament Literature .....	3
BEGE-2740 New Testament Literature .....	3
BIO-2210 Microbiology .....	4
BIO-2250 Cell Biology .....	4
CHEM-3510 Organic Chemistry I .....	5
CHEM-3525 Organic Chemistry II for Biologists .....	4
HUM-1400 Introduction to the Humanities .....	3
PHAR-2013, 2014 Profession of Pharmacy .....	2
PHYS-2110 General Physics I .....	4
History Elective .....	3
<b>Total</b> .....	<b>35</b>

#### Third year:

BEGE-3750 Christian Worldview Development .....	2
BEGE-3760 Christian Worldview Integration .....	2
BIO-3450, 3460 Human Structure and Function I, II .....	7
BIO-4350 Immunology .....	4
GSS-1100 Politics and American Culture .....	3
PHAR-3015, 3016 Pharmacy Activity .....	3
PHAR-3100 Biostatistics** .....	3
PHAR-3200 Pharmacy Calculations .....	2
Literature Elective .....	3
Social Science/Global Awareness Elective .....	3
<b>Total</b> .....	<b>32</b>

Note: An approved humanities elective is also required to complete the general education or for a baccalaureate or Pharm.D. degree.