
First Name	Last Name	Person ID	Email
<input type="text" value="Hardeep"/>	<input type="text" value="Saluja"/>	<input type="text" value="173284"/>	<input type="text" value="hardeep.saluja@swosu.edu"/>

Department

Program Information

Official Degree Designation and Program Title

e.g. Associate in Science in Cybersecurity, Bachelor of Fine Arts in Music Performance, Master of Science in Accounting

Program Code

Please list the 3-digit OSRHE program code.

This program has approved options

Is this program part of a cooperative agreement?

Does this change impact an embedded certificate?

Does the CIP Code for this program need to be updated?

Type of Request(s)

Program Suspension?

Electronic Delivery of Existing Program

NOTE: Electronic delivery is recognized at the program level. If the existing program has options that are offered via electronic delivery and the program meets State Regents' policy for electronic delivery, the program MUST be approved for electronic delivery.

Option Additions?

No ▼

Option Deletion?

No ▼

Option Name Change?

No ▼

Program Requirement Change(s)?

Yes ▼

Explanation of changes

Please provide a brief summary of changes being made.

Changing a set of courses in the pre-professional sequence from required to recommended.. These changes will allow more flexibility in choices in the pre-professional and general education sequence:
1). ART 1223 Art Survey, LIT 2413 Introduction to Literature, MUSIC 1013 Introduction to Music, PHILO 1453 Introduction to Philosophy, ECONO 2263 Intro to Macroeconomics, ECONO 2363 Intro to Microeconomics, PSYCH 1003 General Psychology were previously required but now recommended, allowing students more choices for their pre-professional and general education. The SWOSU COP Pre-Pharmacy Advisor will counsel students on the recommended choices.
2). Where as BIOL 3704 Human Anatomy was required previously, students can now choose from BIOL 3704 Human Anatomy or BIOL 3904 Human Physiology.
3). PHARM 3001 Introduction to Pharmacy will be made available as an option for SWOSU pre-pharmacy students in the second pre-professional year to introduce concepts such as the prescription, basic pharmacy calculations, medical terminology, and frequently prescribed drug products in order promote ongoing interest in pharmacy among pre-pharmacy students, as well as students who may be interested in pharmacy as a career.

Total Credit Hour Change?

No ▼

Justification for program requirement changes*

Please provide a brief summary of the reason for the program requirement changes.

Peer pharmacy programs in the region have less prescriptive pre-professional requirements. The requested changes in the SWOSU prepharmacy sequence will reduce barriers for applicants in Oklahoma and surrounding states.

Program Reinstatement?

No ▼

Program Name Change?

No ▼

Degree Designation Change?

Changes formerly classified as substantive and non-substantive will now be combined as program requirement changes. (e.g. course credit hour changes, changes in courses required for graduation, changing credit hours required for electives, course prefix changes, course title changes, removing courses from list of electives)

No ▼

Documents

If applicable, submit any documentation related to the requested action.

DOCTOR OF PHARMACY BACHELOR OF SCIENCE-PHARMACEUTICAL SCIENCES

GENERAL EDUCATION (Min. 40 hours)

Bolded courses are required. *Italicized Courses are recommended.*

Communication 9

- ENGL 1113 English Composition I**
ENGL 1213 English Composition II
COMM 1313 Introduction to Public Speaking OR
 TECH 3143 Technical Presentations

Quantitative Reasoning 3

- MATH 1153 Mathematical Applications
 MATH 1193 Elementary Statistics
 MATH 1313 Functions and Modeling
MATH 1513 College Algebra ++
 or a higher-numbered math course

U. S. History 3

- Select one course.*
 HIST 1043 U.S. History to 1877 OR
 HIST 1053 U.S. History since 1877

American Government 3

- POLSC 1103 American Government & Politics

Science 7-8

Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.

Life Science 4

- BIOL 1004 Biological Concepts w/Lab
 BIOL 1013 Current Issues in Biology
BIOL 1054 Principles of Biology I w/Lab ++

Physical Science 3

- ASTRO 1904 Astronomy
 CHEM 1004 General Chemistry w/Lab
 GEOL 1934 Physical Geology w/Lab
 PHY 1044 Basic Physics I w/Lab
PHY 1063 General Physics ++
 SCI 1501 Concepts of Physical Science Lab
 SCI 1513 Conc of Physical Science (can be taken w/wo lab)

Humanities and Social Science 12

Select one course from each sub-category and one additional course from any subcategory below.

Humanities 3

- GEOG 1103 World Cultural Geography
 HIST 1003 Early World History
 HIST 1023 Modern World History
 HUM 1103 Introduction to Humanities

Fine Arts 3

- ART 1223 Art Survey*
 COMM 1263 Introduction to Theatre
 LIT 2333 Introduction to Film
LIT 2413 Introduction to Literature
MUSIC 1013 Introduction to Music I
 MUSIC 1123 History of Rock-n-Roll
PHILO 1453 Introduction to Philosophy

Social and Human Sciences 3

- ASL 2163 American Sign Language I
ECONO 2263 Intro to Macroeconomics
ECONO 2363 Intro to Microeconomics
 ENTRP 1123 Intro to Business
 FINAN 2113 Personal Financial Planning
 ITAL 1004 Elementary Italian I
 KINES 1133 Wellness Concepts
 LATIN 1054 Elementary Latin I (or higher number)
PSYCH 1003 General Psychology
 SOCIO 1003 Introduction to Sociology
 SPAN 1054 Elementary Spanish I (or higher number)
 TECH 1223 Technology and Society

Computer Proficiency 0-3

COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.

GE Elective 0-3

Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.

Total General Education Hours 40

Additional Pre-Professional Science Requirements ++ 30

Biological Sciences

- BIOL 3355 General Microbiology**
AND one additional higher numbered biological sciences course from the following recommended options:
BIOL 3704 Human Anatomy OR
BIOL 3904 Human Physiology

Chemistry

- CHEM 1203 General Chemistry I**
CHEM 1252 General Chemistry I Lab
CHEM 1303 General Chemistry II
CHEM 1352 General Chemistry II Lab
CHEM 3013 Organic Chemistry I
CHEM 3111 Organic Chemistry I Lab
CHEM 4113 Organic Chemistry II
CHEM 4021 Organic Chemistry II Lab

Mathematics

- MATH 2823 Applied Calculus**

Total General Education and Pre-Professional Hours 70

++ Grade of C or better is required.

DOCTOR OF PHARMACY (140 hours)

Required Professional Core Courses 96

- CHEM 4133 Pharmaceutical Biochemistry
 PHARM 3013 Pharmacy Calculations
 PHARM 3023 Pharmaceutics I
 PHARM 3311 Pharmaceutical Care Lab I
 PHARM 3614 Physiology
 PHARM 3813 Community Pharmacy I
 PHARM 3010 Pharmacy Seminar 1.2
 PHARM 3123 Pharmaceutics II
 PHARM 3321 Pharmaceutical Care Lab II
 PHARM 3405 Fundamentals of Drug Action
 PHARM 3823 Health & Biostatistics
 PHARM 5054 Community Pharmacy II
 PHARM 4010 Pharmacy Seminar 2.1
 PHARM 4142 Health-Systems Pharmacy
 PHARM 4331 Pharmaceutical Care Lab III
 PHARM 4302 Drug Information
 PHARM 4332 Basic Pharmacokinetics
 PHARM 4512 Medicinal Chemistry I
 PHARM 4612 Pathophysiology I
 PHARM 4634 Pharmacology I
 PHARM 4010 Pharmacy Seminar 2.2
 PHARM 4323 Pharmacotherapy I
 PHARM 4341 Pharmaceutical Care Lab IV
 PHARM 4522 Medicinal Chemistry II
 PHARM 4622 Pathophysiology II
 PHARM 4644 Pharmacology II
 PHARM 4712 Health Issues I

Required Professional Core Courses (cont.)

PHARM	5010	Pharmacy Seminar 3.1
PHARM	5204	Pharmacotherapy II
PHARM	5301	Clinical Pharmacokinetics
PHARM	5351	Pharmaceutical Care Lab V
PHARM	5812	Health Issues II
PHARM	5823	Pharmacy Administration I
PHARM	5010	Pharmacy Seminar 3.2
PHARM	5234	Pharmacotherapy III
PHARM	5361	Pharmaceutical Care Lab VI
PHARM	5753	Toxicology
PHARM	5822	Health Issues III
PHARM	5844	Jurisprudence
PHARM	5853	Pharmacy Administration II

Required Professional Experiential Courses.....36

PHARM	3213	IPPE-Community
PHARM	4223	IPPE-Institutional
PHARM	5914	APPE-Community A
PHARM	5924	APPE-Community B
PHARM	5934	APPE-Institutional
PHARM	5944	APPE-Selective A
PHARM	5954	APPE-Medicine Selective A
PHARM	5964	APPE-Medicine Selective B
PHARM	5974	APPE-General Medicine
PHARM	5984	APPE-Selective B
PHARM	5994	APPE-Ambulatory Care

Professional Elective Courses 8

PHARM	4101-2	Pharmaceutical Research
PHARM	4602	Substance Use Disorders
PHARM	4702	Cultural Competency
PHARM	4732	Pharmacy Case Studies
PHARM	4811-2	Special Problems in Pharmacy Administration
PHARM	4842	Legal Issues in Pharmacy

Professional Elective Courses (cont.)

PHARM	4852	Issues in Buying and Selling a Pharmacy
PHARM	4862	Introduction to Infectious Diseases
PHARM	5172	Current Concepts in Pharmaceutics
PHARM	5312	Post Graduate Preparation
PHARM	5342	Current Concepts in Pharmacy Practice
PHARM	5422	Current Concepts in Medicinal Chemistry
PHARM	5432	Leading Transformational Change
PHARM	5443	Leading Impactful Innovation in Pharmacy
PHARM	5454	Quality Outcome Evaluation in Pharmacy
PHARM	5712	Veterinary Pharmacology
PHARM	5772	Current Concepts in Pharmacology
PHARM	5802	Current Topics in Pharmacy Administration
PHARM	5902	Financial Management for the Pharmacist
ALHLT	2323	Health Promotion and Protection
ALHLT	2453	Medical Terminology
ALHLT	3182	Cultural Competence
ALHLT	3192	US Healthcare System
ALHLT	3933	Healthcare Management
ALHLT	4043	Healthcare Law and Ethics
ALHLT	3033	History of Medicine
ASL	2163	American Sign Language I
FINAN	2113	Personal Financial Planning
HIM	3033	Intro to Health Information
HIM	4113	Healthcare Quality Measures
HIM	5213	Health Information Management
HIM	5333	Healthcare Strategic Planning
HIM	5293	Healthcare Professional Leadership
KINES	1153	Nutrition
KINES	4043	Health and Wellness Programs
KINES	4083	Obesity and Weight Management
MNGMT	3333	Human Resource Management
SPAN	3023	Spanish for Healthcare Professions

Total Required Doctor of Pharmacy Professional Hours.....140

**BACHELOR OF SCIENCE-PHARMACEUTICAL SCIENCES*
(67 hours)**

Required Core Courses63

CHEM	4133	Pharmaceutical Biochemistry
PHARM	3013	Pharmacy Calculations
PHARM	3023	Pharmaceutics I
PHARM	3311	Pharmaceutical Care Lab I
PHARM	3614	Physiology
PHARM	3813	Community Pharmacy I
PHARM	3010	Pharmacy Seminar 1.2
PHARM	3123	Pharmaceutics II
PHARM	3321	Pharmaceutical Care Lab II
PHARM	3405	Fundamentals of Drug Action
PHARM	3823	Health & Biostatistics
PHARM	5054	Community Pharmacy II
PHARM	4010	Pharmacy Seminar 2.1
PHARM	4142	Health-Systems Pharmacy
PHARM	4331	Pharmaceutical Care Lab III
PHARM	4302	Drug Information
PHARM	4332	Basic Pharmacokinetics
PHARM	4512	Medicinal Chemistry I
PHARM	4612	Pathophysiology I
PHARM	4634	Pharmacology I
PHARM	4010	Pharmacy Seminar 2.2
PHARM	4323	Pharmacotherapy I
PHARM	4341	Pharmaceutical Care Lab IV
PHARM	4522	Medicinal Chemistry II
PHARM	4622	Pathophysiology II
PHARM	4644	Pharmacology II
PHARM	4712	Health Issues I

Elective Courses (selected from above)4

*The Bachelor of Science-Pharmaceutical Sciences is earned after completing the first two professional years of the Doctor of Pharmacy program and is awarded upon completing the Doctor of Pharmacy requirements.

**Doctor of Pharmacy (Pharm.D.)
College of Pharmacy
PRE-PROFESSIONAL (PHRMP.BA)
Suggested Course Sequence**

FIRST PRE-PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
1023 Computers and Information Access (3) 1043 or 1053 American History (3) 1113 English Composition I (3) 1203 General Chemistry I (3) 1252 General Chemistry I Lab (2) 2823 Applied Calculus (3)	<i>Recommended Social and Human Sciences GE course:</i> 1003 General Psychology (3) 1054 Principles of Biology with Lab (4) 1103 American Government & Politics (3) 1213 English Composition II (3) 1303 General Chemistry II (3) 1352 General Chemistry II Lab (2)
Total (17)	Total (18)

SECOND PRE-PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
<i>Recommended Humanities GE course:</i> 1003 Early World History (3) OR 1023 Modern World History (3) OR 1103 World Cultural Geography (3) OR 1103 Introduction to Humanities (3) 1313 Introduction to Public Speaking (3) 3013 Organic Chemistry I (3) 3111 Organic Chemistry I Lab (1) 3355 General Microbiology with Lab (5)	1063 General Physics (3) <i>Recommended Social and Human Sciences GE course:</i> 2263 Introduction to Macroeconomics (3) OR 2363 Introduction to Microeconomics (3) <i>Required Higher Numbered Biology Course:</i> BIOL 3704 Human Anatomy (4) OR BIOL 3904 Human Physiology (4) 4113 Organic Chemistry II (3) 4021 Organic Chemistry II Lab (1) <i>Recommended Fine Arts GE course:</i> ART-1223 Art Survey (3) OR LIT-2413 Introduction to Literature (3) OR MUSIC-1013 Introduction to Music (3) OR PHILO-1453 Introduction to Philosophy (3) PHARM-3001 Introduction to Pharmacy (1) (optional for SWOSU pre-pharmacy students)
Total (15)	Total (17-18)

**Doctor of Pharmacy (Pharm.D.)
College of Pharmacy
PROFESSIONAL (PHARM.PHARMD)
Suggested Course Sequence**

FIRST PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
3013 Pharmacy Calculations (3) 3023 Pharmaceutics I (3) 3311 Pharmaceutical Care Lab I (1) 3614 Physiology (4) 3813 Community Pharmacy I (3) 4133 Pharmaceutical Biochemistry (3)	3010 Pharmacy Seminar 1.2 (0) 3123 Pharmaceutics II (3) 3321 Pharmaceutical Care Lab II (1) 3405 Fundamentals of Drug Action (5) 3823 Health and Biostatistics (3) 5054 Community Pharmacy II (4)
Total (17)	Total (16)

SECOND PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
3213 IPPE – Community (3) (completed previous Summer) 4010 Pharmacy Seminar 2.1 (0) 4142 Health-Systems Pharmacy (2) 4302 Drug Information (2) 4331 Pharmaceutical Care Lab III (1) 4332 Basic Pharmacokinetics (2) 4512 Medicinal Chemistry I (2) 4612 Pathophysiology I (2) 4634 Pharmacology I (4) XXXX Professional Elective*	4010 Pharmacy Seminar 2.2 (0) 4323 Pharmacotherapy I (3) 4341 Pharmaceutical Care Lab IV (1) 4522 Medicinal Chemistry II (2) 4622 Pathophysiology II (2) 4644 Pharmacology II (4) 4712 Health Issues I (2) XXXX Professional Elective*
Total (18)	Total (16)

THIRD PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
4223 IPPE – Institutional (3) (completed previous Summer) 5010 Pharmacy Seminar 3.1 (0) 5204 Pharmacotherapy II (4) 5301 Clinical Pharmacokinetics (1) 5351 Pharmaceutical Care Lab V (1) 5812 Health Issues II (2) 5823 Pharmacy Administration I (3) XXXX Professional Elective*	5010 Pharmacy Seminar 3.2 (0) 5234 Pharmacotherapy III (4) 5361 Pharmaceutical Care Lab VI (1) 5753 Toxicology (3) 5822 Health Issues III (2) 5853 Pharmacy Administration II (3) 5844 Jurisprudence (4) XXXX Professional Elective*
Total (14)	Total (17)

FOURTH PROFESSIONAL YEAR

FIRST SEMESTER	SECOND SEMESTER
5914 APPE – Community A (4) 5944 APPE – Selective A (4) 5954 APPE – Medicine Selective A (4) 5964 APPE – Medicine Selective B (4)	5924 APPE – Community B (4) 5934 APPE – Institutional (4) 5974 APPE – General Medicine (4) 5984 APPE – Selective B (4) 5994 APPE – Ambulatory Care (4)
Total (16)	Total (20)

***PROFESSIONAL ELECTIVES**

Eight (8) credit hours of professional elective courses must be completed from available approved course options.

Package History

Date	User	Action
12/18/2024 3:34:35 PM	Saluja, Hardeep	Added attachment 'SWOSU%20Prepharmacy%20and%20Doctor%20of%20Pharmacy%20Degree%20Sheet%20Effective%202025-2026.docx'
12/18/2024 3:34:35 PM	Saluja, Hardeep	Submitted 'Program Modification'
12/18/2024 3:34:42 PM	Ramos, Les	Received
12/18/2024 3:40:56 PM	Ramos, Les	Decision Approved on step 'FLOW-Deans'
12/18/2024 3:41:00 PM	FLOW- Provost's Executive Assistant	Received