



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM DEGREE:	M.S.
CURRENT PROGRAM MAJOR/MINOR:	Pharmaceutical Sciences
CURRENT SPECIALIZATION:	N/A
CIP CODE:	51.2003
UNIVERSITY DEPARTMENT:	Pharmaceutical Sciences
BANNER DEPARTMENT CODE:	SPRS
UNIVERSITY COLLEGE:	Pharmacy and Allied Health Professions
BANNER COLLEGE CODE:	3P

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Dennis D. Hedge

2/27/2024

Vice President of Academic Affairs or
President of the University

Date

1. This modification addresses a change in:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input checked="" type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |
| <input type="checkbox"/> Modification requiring Board of Regents approval
<i>Must have prior approval from Executive Director or designee</i> | |

2. Effective date of change: 2024-2025 Academic Year

3. Program Degree Level:

Associate Bachelor's Master's Doctoral

4. Category:

Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur:

- On the effective date for all students
 On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

6. Is the program being modified associated with a current articulation agreement?

Yes No

a. If yes, will the articulation agreement need to be updated with the partner

institution following the approve of the program change? Please explain: N/A

7. Primary Aspects of the Modification:

Existing Curriculum				Proposed Curriculum (Highlight Changes)			
Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs
PHA	720	Introduction to Advanced Concepts in Pharmaceutical Sciences	3	PHA	720	Introduction to Advanced Concepts in Pharmaceutical Sciences	3
PHA	721	Advanced Concepts in Medicinal Chemistry	3	PHA	721	Advanced Concepts in Medicinal Chemistry	3
PHA	725	Advanced Concepts in Biomedical Sciences and Pharmacogenomics	3	PHA	725	Advanced Concepts in Biomedical Sciences and Pharmacogenomics	3
PHA	740	Advanced Concepts in Pharmacology	3	PHA	740	Advanced Concepts in Pharmacology	3
PHA	760	Advanced Concepts in Pharmaceutics	3	PHA	760	Advanced Concepts in Pharmaceutics	3
PHA	765	Techniques in Pharmaceutical Sciences	3	PHA	765	Techniques in Pharmaceutical Sciences	3
PHA	790	Seminar	1	PHA	790	Seminar	1
STAT	541	Statistical Methods	3	STAT	541	Statistical Methods	3
		Select one of the following:				Select one of the following:	
		<i>Option A: Thesis</i>				<i>Thesis</i>	
PHA	798	Thesis	8	PHA	798	Thesis	8
		<i>Option B: Research/Design Paper</i>				<i>Option B- Research/Design Paper</i>	
PHA	788	Research Problems/Projects	4	PHA	788	Research Problems/Projects	4
		Electives	6			Electives	6
		<i>Option C: Coursework Only</i>				<i>Non-Thesis</i>	
PHA	769	Pharmaceutical Sciences Capstone	2	PHA	769	Pharmaceutical Sciences Capstone	2
		Electives	11			Electives	6
		Electives for Option B & C				Electives for Non-Thesis	
		Select from the following list of courses. Electives can be taken from graduate-level PHA-prefix courses and related (CHEM, BIOL, etc.).				Select from the following list of courses. Electives can be taken from graduate-level PHA-prefix courses and related (CHEM, BIOL, etc.).	
BIOL	570	Cancer Biology	3	BIOL	570	Cancer Biology	3
BIOL	645L	Microimaging Techniques Laboratory	1-3	BIOL	645L	Microimaging Techniques Laboratory	1-3
BIOS	662	Advanced Molecular Biology	3	BIOS	662	Advanced Molecular Biology	3
CHEM	701	Advanced Organic Chemistry I	3	CHEM	701	Advanced Organic Chemistry I	3
CHEM	706	Advanced Analytical Chemistry	3	CHEM	706	Advanced Analytical Chemistry	3
CHEM	724	Structural Determination of Organic Compounds	3	CHEM	724	Structural Determination of Organic Compounds	3
CHEM	724L	Structural Determination of Organic Compounds Lab	1	CHEM	724L	Structural Determination of Organic Compounds Lab	1
PHA	738	Health Informatics	1	PHA	738	Health Informatics	1
PHA	743	Pharmacogenomics	1	PHA	743	Pharmacogenomics	1
PHA	752	Drugs of Abuse and Addiction	2	PHA	752	Drugs of Abuse and Addiction	2
				PHA	788	Research Problems/Projects	4
PHA	792	Topics	1-3	PHA	792	Topics	1-3
PUBH	767	Public Health Toxicology	3	PUBH	767	Public Health Toxicology	3
		Other courses as approved by advisor and/or committee				Other courses as approved by advisor and/or committee	
Total number of hours required for degree				Total number of hours required for degree			
		Option A	30			Thesis	30
		Option B	32			Non-Thesis	30
		Option C	35				

8. Explanation of the Change:

The SDSU Graduate School has revised SDSU Policy 2:17 Credit Requirements for Graduate Credential Programs. The Graduate School adjusted the language to no longer refer to master's programs using Option A (Thesis Option), B (Research/Design Paper Option), C (Coursework Only), and D (Coursework Only – Professional Program) but to move forward with Thesis and Non-Thesis options that will require a minimum of 30 credits. The Department of Pharmaceutical Sciences has requested to change the non-thesis option from 32 credits (Option B) and 35 credits (Option C) to 30 credits. Non-Thesis students will complete PHA 769 Pharmaceutical Sciences Capstone (2 cr.) and 6 credits of elective coursework.