



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

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM DEGREE:	Master of Science (M.S.)
CURRENT PROGRAM MAJOR/MINOR:	Computer Science
CURRENT SPECIALIZATION:	N/A
CIP CODE:	11.0101
UNIVERSITY DEPARTMENT:	Electrical Engineering and Computer Science
BANNER DEPARTMENT CODE:	SEEC
UNIVERSITY COLLEGE:	Jerome J. Lohr College of Engineering
BANNER COLLEGE CODE:	3E

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

Vice President of Academic Affairs or
President of the University

3/28/2024

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 | |

Must have prior approval from Executive Director or designee

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
CSC	705	Design and Analysis of Computer Algorithms (COM)	3	CSC	705	Design and Analysis of Computer Algorithms (COM)	3
CSC	710	Structure and Design of Programming Languages (COM)	3	CSC	710	Structure and Design of Programming Languages (COM)	3
CSC	720	Theory of Computation (COM)	3	CSC	720	Theory of Computation (COM)	3
CSC	770	Software Engineering Management	3	CSC	770	Software Engineering Management	3
		Select one of the following:				Select one of the following:	
		<i>Option A: Thesis</i>				<i>Thesis</i>	
CSC	798	Thesis	6	CSC	798	Thesis	6
		Electives	12			Electives	12
		<i>Option B: Research/Design Paper</i>				<i>Option B: Research/Design Paper</i>	
CSC	788	Master's Research Problems/Projects	2	CSC	788	Master's Research Problems/Projects	2
			18			Electives	18
		<i>Option C: Coursework Only</i>				<i>Non-Thesis</i>	
				CSC	788	Master's Research Problems/Projects	3
		Electives	24			Electives	18
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	36				

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 Electrical Engineering and Computer Science Department has requested to change the non-thesis option from 32 credits (Option B) and 36 credits (Option C) to 30 credits.