



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

Institutional Substantive Program Modification Requests

Institution: Dakota State University **Date:** 1/16/2018

Institutional representatives should provide direct links to PDF documents for each of the program modification requests represented below. All requests should be posted on the campus Curriculum and Instruction website one week prior to the Academic Affairs Council meeting where the program modification request is being considered.

<i>Program Title</i>	<i>Approval</i>
B.S. in Computer Information Systems	----

Program modifications referenced above for approval have been reviewed by the Academic Affairs Council and the System Vice President for Academic Affairs and may be advanced forward for entry in Colleague. For those program modifications listed above that did not receive approval, additional clarification or justification will be necessary and should be re-routed through the review process on a separate “Institutional Substantive Program Modification Requests” form once all issues have been resolved.

Paul Turner
Signature: System Vice President for Academic Affairs

3/15/2018
Date



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Substantive Program Modification Form

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations).

UNIVERSITY:	DSU
CURRENT PROGRAM TITLE:	Computer Information Systems
CIP CODE:	11.0401
UNIVERSITY DEPARTMENT:	College of Business & Information Systems
UNIVERSITY DIVISION:	Information Systems

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.

Vice President of Academic Affairs or
President of the University

1/16/2018

Date

1. This modification addresses a change in (place an "X" in the appropriate box):

- | | |
|--|---|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input checked="" type="checkbox"/> Total credits of supportive course work |
| <input type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input checked="" type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |

2. Effective date of change: Fall 2018

3. Program Degree Level (place an "X" in the appropriate box):

Associate Bachelor's Master's Doctoral

4. Category (place an "X" in the appropriate box):

Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur (place an "X" in the appropriate box):

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: _____

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Primary Aspects of the Modification (add lines or adjust cell size as needed):

<i>Existing Curriculum</i>				<i>Proposed Curriculum (highlight changes)</i>			
Pref	Num	Title	Cr Hr	Pref	Num	Title	Cr. Hrs.
General Education			30	General Education			30
Required Courses			54	Required Courses			60
ACCT	210	Principles of Accounting I	3	ACCT	210	Prin of Accounting I	3
BADM	220	Business Statistics	3	BADM	220	Business Statistics	3
BADM	344	Managerial Communications	3	BADM	344	Managerial Communications	3
BADM	350	Legal Environment of Business	3	BADM	350	Legal Environment of Business	3
BADM	360	Organization and Management	3	BADM	360	Organization and Mgmt	3
BADM	370	Marketing	3	BADM	370	Marketing	3
CIS	251	Business Applications Programming	3	CIS	251	Business Applications Programming	3
CIS	325	Management Information Systems	3	CIS	325	Management Information Systems	3
CIS	332	Structured Systems Analysis and Design	3	CIS	332	Structured Systems Analysis and Design	3
CIS	338	Project Management	3	CIS	338	Project Management	3
CIS	427	Information Systems Planning and Management	3	CIS	427	Information Systems Planning and Management	3
CIS	484	Database Management Systems	3	CIS	484	Database Management Systems	3
CSC	105	Introduction to Computers	3	CSC	105	Introduction to Computers	3
CSC	150	Computer Science I	3	CSC	150	Computer Science I	3
CSC	245	Information Security Fundamentals	3	CSC	245	Information Security Fundamentals	3
CSC	363	Hardware, Virtualization, and Data Communication	3	CSC	363	Hardware, Virtualization, and Data Communication	3
ECON	201	Principles of Microeconomics	3	ECON	201	Principles of Microeconomics	3
Choose 3 credits from the following			3	Choose 9 credits from the following			9
				ACCT	211	Prin of Accounting II	
				BADM	310	Business Finance	
				BADM	472	Marketing Technology	
				CIS	330	COBOL I	
				CIS	340	Java Programming	
CIS	494	Internship		CIS	494	Internship	
CIS	498	UG Research/Scholarship		CIS	498	UG Research/Scholarship	
				CSC	234	Software Security	
				CSC	250	Computer Science II	
				CSC	260	Object Oriented Design	

				CSC	328	Operating Environments	
				CSC	383	Networking I	
				CSC	385	Networking II	
				CSC	388	Computer Forensics Fund.	
				CSC	451	Mobile Development Env	
Choose one Specialization			18	Choose one Specialization			18
Data Science				Business Analytics			
BADM	321	Business Statistics II	3	BADM	321	Business Statistics II	3
BADM	425	Production & Operations Mgmt	3	BADM	425	Production & Operations Mgmt	3
CIS	368	Predictive Analytics	3	CIS	368	Predictive Analytics	3
CIS	372	Programming for Analytics	3	CIS	372	Programming for Analytics	3
CIS	474	Business Intelligence & Big Data	3	CIS	474	Business Intelligence & Big Data	3
CIS	487	Database Programming	3	CIS	487	Database Programming	3
Project Management				Project Management			
				No changes			
Software and Web Development				Software and Web Development			
CIS	275	Web Application Programming I	3	CIS	275	Web Application Programming I	3
CIS	361	Advanced Programming for Business Applications	3				
CIS	375	Web Application Programming II	3	CIS	375	Web Application Programming II	3
CIS	424	Software Development with Agile Methodologies	3	CIS	424	Software Development with Agile Methodologies	3
				CIS	476	Web Development Environments	3
CIS	487	Database Programming	3	CIS	487	Database Programming	3
MATH	201	Introduction to Discrete Mathematics	3	MATH	201	Introduction to Discrete Mathematics	3
Electives			18	Electives			12

7. Explanation of the Change:

The changes reduce the electives and increase the major core so students will take more courses in business, information systems, or computer science, making a minor in those areas more attainable.

The Computer Information Systems Advisory Board recommended that “Business Analytics” is a more relevant name for the Data Science specialization therefore this reflects that change. In the Web and Software Specialization, CIS 361 Advanced Programming for Business Applications is being replaced by CIS 476 Web Development Environments which is more modern and relevant to this specialization.

