



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
 Revised Course Request: Common Course
 (Substantive Modifications)

USD	Tina Keller	Michael Kruger	9/14/17
Institution	Form Initiator	Dean's Approval Signature	Date
USD	Computer Science		
Institution	Division/Department	Institutional Approval Signature	Date
SDSU	[See attached 7/31/17]		
Institution	Division/Department	Institutional Approval Signature	Date

Indicate universities that currently offer the common course:

- BHSU
 DSU
 NSU
 SDSMT
 SDSU
 USD

Section 1. Existing Course Title and Description

Prefix & No.	Course Title	Credits
CSC 705	Design/Analyze Comp Algorithms	3

Course Description
 Design and analysis of algorithms to determine their time and space requirements. The study of efficient algorithms for various computational problems. Analysis of specific algorithms for internal sorting, hashing, and string search. Sorting manipulation of data structures, graphs, matrix multiplication, the Fast Fourier Transform, arithmetical operations and pattern matching. Study and implication of advanced topics on lists, stacks, trees, sets and dynamic allocation.

Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
CSC 300	Data Structures	Pre-Req

Section 2. Modification(s) Requested

2.1. This modification will include:

Pre-Requisites
 Current CSC 300 [SDSU & USD], None [DSU]
 to New **None** (common prerequisite)

Effective term of the change: Summer 2017

2.2. Add justification for all changes noted above:

All institutions agree that CSC 300 should not be listed as a prerequisite and the prerequisites for this course will now be common with none.

Section 4. Department and Course Codes (Completed by University Academic Affairs)

Change in University Department Code
 Current _____
 to New N/A
 Change in CIP Code

 to _____
 N/A

From: Hoffelt, Janell
Sent: Monday, July 31, 2017 11:34 AM
To: Leitru, Tammy R <Tammy.Leitru@usd.edu>
Cc: Hietpas, Steven <Steven.Hietpas@SDSTATE.EDU>
Subject: RE: CSC 705 prerequisite of CSC 300

SDSU supports the request to remove CSC 300 as a prerequisite for CSC 705.

Thank you
Janell

From: Leitru, Tammy R [<mailto:Tammy.Leitru@usd.edu>]
Sent: Monday, July 31, 2017 9:34 AM
To: Hoffelt, Janell <janell.hoffelt@sdstate.edu>
Subject: CSC 705 prerequisite of CSC 300

Good morning Janell,

I have been researching this and I wonder if SDSU needs to have the CSC 300 course as a prerequisite, it is not normal to have an undergraduate course as a prerequisite for a graduate course. USD requested that CSC 300 be removed as a prerequisite for us as we do not have teach CSC 300 and all students were needing to submit add/drop forms to get into the course. USD was listed with SDSU as CSC 300 being a prerequisite, August 2016 DSU submitted a request to remove CSC 300 as a prerequisite, RIS removed USD's prerequisite and asked us to follow up with a revised course form to complete the request. I wondered if SDSU doesn't need this course as a prerequisite maybe we could consolidate the request to remove CSC 300 from SDSU as well then all prerequisites would be equal with "none". Please let me know your thoughts. Thanks.

Course Details:

Course:	CSC-705	Course Title:	Design/Analyze Comp Algorithms
Course Type:	COM-Common Course STN-Standard	Course Status:	A-Active
Course Level:	700- Graduate/Graduate only	Academic Level:	GR
Course Locations:	DSU SDSU USD	CIP Code:	11.0701
Credit Type:	Institutional	Reg Retake Policy:	Two Graduate Takes
Min Credit:	3.00	Count Retakes For Credit:	N
Max Credit:	0.00	Only Pass/No Pass:	N
Var Credit Increment:	0.00	Reg Restriction:	None
Instructional Methods:	Design/Research	Departments:	DCSCS SEECs UCSCI

Description:

Design and analysis of algorithms to determine their time and space requirements. The study of efficient algorithms for various computational problems. Analysis of specific algorithms for internal sorting, hashing, and string search. Sorting manipulation of data structures, graphs, matrix multiplication, the Fast Fourier Transform, arithmetical operations and pattern matching. Study and implication of advanced topics on lists, stacks, trees, sets and dynamic allocation.

Co-Requisites:

1. None

Pre-Requisites:

1. None

University Pre-Requisites:

1. DSU-None
2. SDSU-CSC 300
3. USD-None

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