

CERTIFICATE IN DATA MINING

In Workflow

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Approval Path

1. Mon, 23 Sep 2019 22:10:20 GMT
Jinsong Ouyang (jouyang): Approved for CSC Committee Chair
2. Wed, 25 Sep 2019 18:17:04 GMT
Nikrouz Faroughi (faroughi): Approved for CSC Chair
3. Fri, 27 Sep 2019 16:41:50 GMT
Troy Topping (troy.topping): Approved for ECS College Committee Chair
4. Fri, 27 Sep 2019 19:18:59 GMT
Kevan Shafizadeh (kevan): Approved for ECS Dean

History

1. May 2, 2018 by clmig-jwehrheim

Date Submitted: Thu, 19 Sep 2019 16:53:42 GMT

Viewing: Certificate in Data Mining

Last approved: Wed, 02 May 2018 13:28:25 GMT

Last edit: Fri, 11 Oct 2019 18:16:19 GMT

Changes proposed by: Haiquan Chen (219700833)

Academic Group: (College)

Engineering & Computer Science

Academic Organization: (Department)

Computer Science

Catalog Year Effective:

2020-2021 Catalog

Individual(s) primarily responsible for drafting the proposed degree major program:

Name (First Last)	Email	Phone 999-999-9999
Haiquan Chen	haiquan.chen@csus.edu	916-278-6087

Type of Program Proposal:

Certificate

Program Change Type:

Non-Substantive

Title of the Program:

Certificate in Data Mining

Designation: (degree terminology)

Certificate - Undergraduate

Briefly describe the program proposal (new or change) and provide a justification:

CSC177 course title is updated to "Data Analytics and Mining" to be consistent with the recently submitted Form A for CSC177 course change.

Objectives of the degree program:

Master, integrate, and apply advanced knowledge and skills to solve complex computer science problems in the data mining area.

University Learning Goals**Undergraduate Learning Goals:**

Competence in the disciplines
Intellectual and practical skills

Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Do these changes impact the Smart Planner roadmap?

No

Catalog Description:

Units required for Certificate: 9

Program Description

The Certificates in Computer Science program are designed to recognize students who have completed the following core graduate courses plus additional advanced coursework in a specialty area.

These certificates are available **only** for MS Computer Science matriculated students.

Note: Minimum required GPA for all courses taken in the program: 3.0

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)

Program Requirements

Code	Title	Units
CSC 177	Data Analytics and Mining	3
CSC 219	Machine Learning	3
Select one of the following:		3
CSC 212	Bioinformatics: Data Integration and Algorithms	
CSC 244	Database System Design	
Total Units		9

Fiscal Impact to Change an Existing Program

Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:

No impact on department/college in terms of fiscal resources.

Provide a fiscal analysis of the proposed changes:

No impact on department/college in terms of fiscal resources.

How will the above changes be accommodated within the department/College existing fiscal resources?

No impact on department/college in terms of fiscal resources.

Will the proposed changes require additional resources?

No

What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?

No impact on department/college in terms of fiscal resources.

Estimate the cost and indicate how these resource needs will be accommodated:

No impact on department/college in terms of fiscal resources.

Key: 138