Abbreviated Form: New Certificate Programs, Minors, Emphases for Existing Programs, K-12 Endorsement Programs or Out of Service Area Delivery Program
Form for DSU Internal Approval Sequence only*

Proposed or Current Program Title: | Certificate of Design

Sponsoring School or Division: | College of Science, Engineering, and Technology

Sponsoring Academic Department(s) or Unit(s): | Department of Computing & Design

Classification of Instructional Program Code[1]: | 11.0801

Credit Hours Required of Full Program: | 21

Proposed Beginning Term[2] | Fall 2019

Institutional Board of Trustees' Approval Date:

*DSU Approval Sequence: CCC, UCC/GC, AC, UC (informational only), and Board of Trustees

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Proposal Type

☒Certificate of Proficiency

☐Certificate of Completion

☐Minor

☐Graduate Certificate

☐Post-Baccalaureate Certificate

☐Post-Masters Certificate

☐K-12 Endorsement Program

☐New Emphasis in Existing Program

☐Out of Service Area Delivery Program

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[1] For CIP code classifications, please see https://nces.ed.gov/ipeds/cipcode/default.aspx?y=55
[2] "Proposed Beginning Term" refers to first term after Trustee's approval that students may declare this program.

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Date: | Jan 7th, 2018 |

Section I: Request

Briefly describe the request. Indicate the primary activities impacted, especially focusing on any instructional activities. Type below:

The Board of Regents has requested that USHE institutions create "stackable credentials" (see Consistency with Institutional Mission/Impact on Other USHE Institutions, below). The Design Certificate is designed to:

1) Be fully stackable toward the new BS in Design which should help promote student persistence toward degree completion.

2) Provide industry skills to students enabling them to start working in their desired field during college; making better wages and building a stronger resume.

3) Qualify for CTE Perkins funding opening additional funding sources to the university and department which can be used to further develop this and other CTE programs.

4) Is designed to be achievable by high school concurrent enrollment students by the time they graduate--this makes it a direct pathway into the Computer Science Department and acts as a significant recruiting tool for Dixie State University.

Section II: Need

Indicate why such an administrative change, program, or center is justified. Reference need or demand studies if appropriate. Indicate the similarity of the proposed unit/program with similar units/programs which exist elsewhere in the state or Intermountain region. Type below

According to Utah Department of Workforce Services there approximately 250 new design jobs per year. Positions that require the design thinking, UI, UX, and IxD are the fastest growing segment. It is likely that demand will increase similarly to the 5% seen in Web Development and other technology jobs.

In Utah, there are approximately 1600 UI/UX Design, Interaction Design, Graphic Design, Digital Design and Web Design jobs. [1]

The need for qualified designers is evident within the tech sector. Also, every industry employs designers to maintain professional branding and corporate communications, advertising and within new and emerging media. Engagement with design and design thinking is also a key component of successful startups.[2]

We meet some of the current industry demand with the CIT Digital Design and Fine Art Graphic Design emphases. A BS\BA in Design will help to better meet the needs of the local, regional and national job market while building a strong collaborate, cross-disciplinary program at DSU.

[1] https://www.indeed.com/ (2017) [Accessed 01 Oct. 2017]
[2] https://www.forbes.com/sites/lorikozlowski/2013/08/07/why-great-design-is-crucial-for-startups/#435ee9081111

Section III: Institutional Impact

Will the proposed administrative change or program affect enrollments in instructional programs of affiliated departments or programs? How will the proposed change affect existing administrative structures? If a new unit, where will it fit in the organizational structure of the institution? What changes in faculty and staff will be required? What new physical facilities or modification to existing facilities will be required? Describe the extent of the equipment commitment necessary to initiate the administrative change. If you are submitting a reinstated program, or program for off-campus delivery, respond to the previous questions as appropriate.

All certificate courses are currently in place and taught on campus as part of the current degree programs offered in the Department of Computing and Design. Furthermore, many are listed and offered in various high schools around the state and are all approved concurrent enrollment courses. No new faculty or sections will be required to accommodate the new certificate at Dixie State University or off-site classes. Growth from students seeking the certificate may have an impact on future number of sections offered on campus but will equally affect the number of concurrent enrollments taught in high schools around the state.

Section IV: Finances

What costs or savings are anticipated from this change? If new funds are required, describe in detail expected sources of funds. Describe any budgetary impact on other programs or units within the institution. Type below.

This is a near zero-cost certificate program. Because all of the course requirements are currently taught as either GE or Computer Science courses (required in both the BS/BA and proposed certificate programs) no new sections or faculty lines will be required.

The only minimal cost incurred will be that of the certificates awarded to students. We currently have a $10 certificate fee structure that students pay to cover the cost of this service.

All Program Courses (with New Courses in Bold)
List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). The total number of courses shown, and credit hours should match the required number of credits to be awarded the degree. Use the following format.

Course Prefix and Number	Title	Credit Hours
Required Courses		
ART 1110	Drawing and Composition	3
DES 1100	Introduction to Digital Design	3
DES 2100	Design Thinking	3
DES 2300	Design II	3
WEB 1400	Web Design I: Fundamentals	3
DES 2710	Typography I	3
	Sub-Total	**18**
Choose **one** of the following courses:		
DES 1300	Design I	3
ART 1120	2-Dimensional Design	3
	Sub-Total	**3**
Sub-Total		
	Total Number of Credits	**21**

<h1 style="text-align:center">Section VI: Assessment Impact</h1>

Describe the assessment plan for this program. Are all courses entered into CIM? Any new courses and fees must be approved in CIM prior to or at the same time this proposal goes to UCC. If you have not yet completed the Overview Curriculum Map for this program, please request a copy from the Curriculum Director to submit with this form.

The listed program learning outcomes below will be on a three-year cycle of assessment. The assessment coordinator will collect scores from final projects to assess the assigned PLO of that year. They will be communicated and entered through task stream for follow-up.

Certificate PLO
1. Synthesize content into form using the design process.
2. Consider different theories, design principles and processes in generating solutions.
3. Weigh and apply ethical, legal, and social responsibilities in all aspects of practice.
4. Construct effective solutions in teams to accomplish a common goal.
5. Author effective visual, oral, and written communication for a range of audiences.

Assessment Timeline for Certificate PLO
2019 - PLO: 1,3
2020 - PLO: 2,4
2021 - PLO: 5,1