SOUTH DAKOTA BOARD OF REGENTS
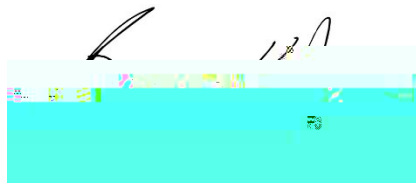## ACADEMIC AFFAIRS FORMS

New Certificate

Use this form to propose a certificate program at either the undergraduate or graduate level. A certificate program is a sequence, pattern, or group of academic credit courses that focus upon an area of specialized knowledge or information and develop a specific skill set. Certificate programs typically are a subset of the curriculum offered in degree programs, include previously approved courses, and involve 12 credit hours including prerequisites. In some cases, standards for licensure will state explicit requirements leading to certificate programs requiring more than 12 credit hours (in such cases, exceptions to course or credit requirements must be justified and approved). The Board of Regents, Executive Director, and/or their designees may request additional information about the proposal. After the university President approves the proposal, submit a signed copy to the Executive Director through the system Chief Academic Officer. Only post the New Certificate Form to the university website for review by other universities after approval by the Executive Director and Chief Academic Officer.

UNIVERSITY:	SDSM&T, SDSU
TITLE OF PROPOSED CERTIFICATE :	Gateway to Engineering
INTENDED DATE OF IMPLEMENTATION :	Fall 2025
PROPOSED CIP CODE	14.0101
UNIVERSITY DEPARTMENT:	SDSMT – Materials & Metallurgical Engineering SDSU – Construction and Concrete Industry Management
BANNER DEPARTMENT CODE:	SDSMT – MMEM SDSU – SCCM
UNIVERSITY DIVISION:	SDSMT – Engineering SDSU – Jerome J. Lohr College of Engineering
BANNER DIVISION CODE:	SDSMT – 4E

6. Certificate Design

   A. Is the certificate designed as a stand-alone education credential option for students Q R W   V H H N L Q J   D G G L W L R Q D O   F U H G H Q W L D O V   L H   D   E D F areas of high workforce demand or specialized body of knowledge will be addressed through this certificate?

      No.

   B. Is the cert L I L F D W H   D   Y D O X H   D G G H G   F U H G H Q W L D O   W K D W   V X S study? If so, list the majors/programs from which students would most benefit from adding the certificate.

      No.

   C. Is the certificate a stackable credential with credits that apply to a higher level F U H G H Q W L D O   L H   D V V R F L D W H   E D F K H O R U ¶ V   R U   P D V W program(s) to which the certificate stacks and the number of credits from the certificate that can be applied to the program.

      The certificate is stackable for any student who pursues engineering major at the baccalaureate level.

7. List the courses required for completion of the certificate in the table below (if any new courses are proposed for the certificate, please attach the new course requests to this form). Certificate programs by design are limited in the number of credit hours required for completion. Certificate programs consist of nine (9) to twelve (12) credit hours, including

Prefix	Number	Course Title	Prerequisites for Course Include credits for prerequisites in subtotal below.	Credit Hours	New (yes, no)

	Yes/No	If Yes, identify delivery methods Delivery methods are defined in AAC Guideline 2.4.3.B	Intended Start Date
Distance Delivery (online/other distance delivery methods)	Yes		Fall 2025

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