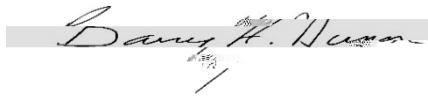

**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

New Specialization

UNIVERSITY:	SDSU
TITLE OF PROPOSED SPECIALIZATION:	Data Science
NAME OF DEGREE PROGRAM IN WHICH SPECIALIZATION IS OFFERED:	Mathematics (B.S.)
INTENDED DATE OF IMPLEMENTATION:	2018-2019 Academic Year
PROPOSED CIP CODE:	27.0501
UNIVERSITY DEPARTMENT:	Mathematics & Statistics
UNIVERSITY DIVISION:	Jerome J. Lohr College of Engineering


David H. Hanson

3. Provide a justification for the specialization, including the potential benefits to students and potential workforce demand for those who graduate with the credential.¹

The Bureau of Labor Statistics does not record employment projections under the job title of “Data Scientist.” However, data scientists and data science skills are in high demand within many occupations. Evidence

	Yes/No	<i>Intended Start Date</i>	
On campus	Yes	Summer	2018

	Yes/No	<i>If Yes, list location(s)</i>	<i>Intended Start Date</i>
Off campus	No		

	Yes/No	<i>If Yes, identify delivery methods⁸</i>	<i>Intended Start Date</i>
Distance Delivery	No		

B. Complete the following chart to indicate if the university seeks authorization to deliver more than 50% but less than 100% of the certificate through distance learning (e.g., as an on-line program)?⁹

	Yes/No	<i>If Yes, identify delivery methods</i>	<i>Intended Start Date</i>
Distance Delivery	Yes	Online	2018-2019 AY

Currently, 60% (73 out of 120 credits) of the Data Science Specialization are available online. Currently online courses include all SGR's except INFO 101 (29 total credits); MATH 125, 225, and 321 (11 credits); STAT 410 and 415 (6 credits); CSC 150 (3 credits), and; General Electives (24 credits). It is possible that 11 or more additional credits of specialization courses could be delivered online in the future.

⁸ Delivery methods are defined in [AAC Guideline 5.5](#).

⁹ This question responds to HLC definitions for distance delivery.