



UNC Charlotte
New Program or Site OR Modifications to an Existing Program
Substantive Change Planning Questionnaire

Part One:

Date Sept 14, 2023

Chair/Coordinator/Director Name: Doug Hague

Email: dhague@charlotte.edu Phone 704-562-6867

Name of Program PHD in Data Science

Date of Proposed Implementation Fall 2024

Part Two:

The Office of Assessment and Accreditation coordinates the SACSCOC notification of requests for new degree, certificate, site location, joint degree, or dual degree. Prior notification and approval may be required from SACSCOC six months before implementation. Therefore, to help with the timely execution of your department's plans, please answer the questions below by placing a check mark in the appropriate box regarding your proposed change(s). Also, please provide details about the anticipated changes.

Does your proposed change include....	YES	NO		YES	NO
1. Expanding at current degree level (significant departure from current programs which may include new courses (25% or more), new faculty, additional equipment, facilities, financial resources, or library/learning resources)	x	<input type="checkbox"/>	2. Initiating joint or dual degrees:		
			Joint Programs (<i>When a student studies at two or more institutions and is awarded a single credential bearing both institution names</i>)		
			Dual Programs (<i>When a student studies at two or more institutions and each institution awards a separate credential</i>)	<input type="checkbox"/>	x
			...with another SACSCOC accredited institution	<input type="checkbox"/>	x
			...with at least one institution <u>not</u> accredited by SACSCOC		

Does your proposed change include....	YES	NO		YES	NO
3. Initiating off-campus sites (including Early College High School programs and dual enrollment programs offered at the high school and certificate programs that are not at employer's request and not short notice) where a... ...student can obtain 50 percent or more credits toward program/certificate ...student can obtain 25-49 percent of credits toward a program/certificate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Initiating programs/courses offered through contractual agreement or consortium	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
5. Initiating degree completion programs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Entering into a contract with an entity not certified to participate in USDOE Title IV programs ...if the entity provides 25% or more of an educational program offered by the SACSCOC accredited institution ...if the entity provides less than 25% of an educational program offered by the SACSCOC accredited institution	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Part Three: Initiating New Programs or Significantly Modifying an Existing Program (Complete if applicable)

Program Requirements:

1. List any currently, approved program to which the new program is related N/A _____
2. Provide an anticipated plan of study and identify courses not in the prior year's catalog.)

Year 1	Course No.	Course Title
	DTSC 8600	Research Design for Data Science (new)
	DTSC 8601 (times 2)	Data Science Research Seminar (NEW)
	DTSC 8110	Statistics for Data Science (NEW)
	DTSC 8130	Ethics, Security, Privacy, & Governance of Data for Social Good (NEW)
	GRAD 8302	Responsible Conduct of Research

	GRAD 8990	Academic Integrity
Year 2	Course No.	Course Title
	DTSC 8120	Fundamentals of Machine Learning
	DTSC 8150	Fundamentals of AI
	DTSC 8601 (times 2)	Data Science Research Seminar (NEW, but same as Yr 1)
	DTSC 8000	Special Topics in Data Science (NEW)
	DTSC 8800	Independent Studies
Year 3	Course No.	Course Title
	DTSC 8601	Data Science Research Seminar (NEW, but same as Yr 1)
	YYYY 8xxx	Elective
	YYYY 8xxx	Elective
	YYYY 8xxx	Elective
Year 4	Course No.	Course Title
	DTSC 8900	Dissertation Research

3. In order to determine which courses are new and which courses are existing, please complete a crosswalk or mapping of courses using the following guidelines:

a. List the name, number, and credit hours of all courses in the new curriculum.

a. Required Courses (38 credit hrs):

- i. DTSC 8130 Ethics, Security, Privacy & Governance of Data for Social Good, 3cr
- ii. DTSC 8110 Statistics for Data Science, 3cr
- iii. DTSC 8120 Fundamentals of Machine Learning, 3cr
- iv. DTSC 8130 Fundamentals of AI, 3cr
- v. DTSC 8900 Doctoral Research, 18cr
- vi. DTSC 8600 Research Design for Data Science, 2cr
- vii. DTSC 8601 Data Science Research Seminar, 4cr
- viii. GRAD 8302 Responsible Conduct of Research, 2cr
- ix. GRAD 8990 Academic Integrity, 0cr

b. Electives (34 credit hrs)

- i. DTSC 8000 Special Topics in Data Science
- ii. DTSC 8800 Independent Study
- iii. YYYY 8xxx Elective from other departments (approved by GPD and Advisors)

b. Identify all courses not in the current year's catalog. This should include courses that were changed from Special Topics courses to actual institutional courses.

- i. DTSC 8130 Ethics, Security, Privacy & Governance of Data for Social Good, 3cr
- ii. DTSC 8110 Statistics for Data Science, 3cr
- iii. DTSC 8120 Fundamentals of Machine Learning, 3cr
- iv. DTSC 8130 Fundamentals of AI, 3cr
- v. DTSC 8900 Doctoral Research, 18cr

- vi. DTSC 8600 Research Design for Data Science, 2cr
- vii. DTSC 8601 Data Science Research Seminar, 4cr
- viii. DTSC 8000 Special Topics in Data Science
- ix. DTSC 8800 Independent Study

c. Identify any existing course where the content is changing. For each course, describe how much of the content is changing? N/A

d. Identify any course that has a new name and number but where the content is the same as a course in the prior year's catalog. Identify the course in the prior year's catalog.

- a. Electives from other departments and colleges

4. Will 50% or more of course credits be offered at a new off-campus site? Yes No

Name and address of new site _____

5. Does this program lead to teacher licensure? Yes No

Support for New Programs:

- 1. Are new faculty needed to support the new program? Yes No
- 2. Are new library or other learning resources needed to support the new program? Yes No
- 3. Is new equipment or facilities needed to support the new program or certificate? Yes No
- 4. Are additional financial resources needed for the new program or certificate? Yes No

Joint or Dual Degree (Complete if applicable): N/A

- 1. Is this program or certificate based on a written agreement/contract? Yes No
- 2. If a joint or dual program or certificate, is the partner institution SACSCOC accredited? Yes No
- 3. If a contractual agreement, is the entity certified to participate in USDOE Title IV programs? Yes No
- 4. If "yes" to any of the above, complete Part Five.

Part Four: Offering Existing Program at New Site (Complete if applicable) N/A

1. Will 50% or more of existing course credits be offered at a new off-campus site? Yes No

2. Name and address of new site _____

Part Five: Offering Existing Program as a Joint or Dual Degree (Complete if applicable) N/A

1. Name and address of partner institution _____

2. Name and contact information for program coordinators at all institutions



3. Provide a copy of the signed MOU (must include beginning date of agreement and a SACSCOC disclaimer statement if institution is not accredited by SACSCOC).
4. Provide a schedule of the course offerings for all institutions.

For all changes, please contact Christine Robinson at crobinson@uncc.edu