



School of Data Science  
UNC CHARLOTTE

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*Important*  
UPDATES

## Summer Graduation Application Deadline June 30, 2021

### Requirements To Be Eligible To Graduate

All students (Master's or Certificate) who plan to graduate this summer must apply for graduation by **June 30, 2021**.

To be eligible to apply for graduation, students:

1. Must be enrolled during the Summer 2021 term.
2. Complete the online graduation application by the deadline (June 30,

- 2021).
3. Be on track to complete all the course requirements for your academic program by the end of the Summer 2021 term.

### **DegreeWorks Audit: On Track to Graduate?**

[DegreeWorks](#) is a web-based planning tool that provides an accurate display of required coursework and helps students monitor their progress towards graduation. Students can access their real-time audit in DegreeWorks on their [my.uncc.edu](#) page and should routinely check their progress towards degree completion.

For any required courses that are in the *Fall through* or *Not counted* sections of DegreeWorks submit an Academic Petition that requests the courses be counted towards your program requirements.

If you believe your audit contains errors or the requirements do not match the catalog, students should contact:

Josh Hertel: [jhertel@uncc.edu](mailto:jhertel@uncc.edu)

Brenda Bradrick: [bbradric@uncc.edu](mailto:bbradric@uncc.edu)

### **If you began in the Certificate program and transferred to the Masters program**

Please review your DegreeWorks for both your certificate and masters program and complete an application to graduate from both programs.

### **How to Apply for Graduation**

Follow these steps to apply for graduation

1. Log into [my.uncc.edu](#) using your NinerNET username and password.
2. Click the Banner Self Service link.
3. In the Student Services/Student Accounts tab, select the Student Records option.
4. Click on Online Graduation Application. [\[View Next Steps\]](#)
5. Dual/Triple Degrees: If you are earning more than one degree, a graduation application must be submitted for each degree separately.
6. Submitting the application: Once you click submit, the application is automatically generated. Please check all information thoroughly before submitting your application.

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## **Focus on Academic Integrity**

According to the Student Conduct and Academic Integrity office, there has been a steep increase in academic integrity violations, in particular, cheating and plagiarism, since moving to a virtual learning environment.

On one hand, the increase may be attributed to the easiness of cheating in an online testing environment and easy access to unauthorized materials. On the other hand, the increase may have been due to the technology that detects suspicious cases, such as test monitoring software or automated plagiarism

checking tool.

But, it could be that students were unaware of the **UNCC Code of Student Conduct**. Hence, you are highly encouraged to review the university policies and procedures available at <https://scai.uncc.edu/academic-integrity> in order to avoid unintended violations and consequences.

It is also important to note that increased stress during the pandemic may have been a contributing factor. The university has great support services, such as free counseling, and you can find more information about these services at (click on resources):

- [Center for Counseling and Psychology Services](#)
- [Writing Resources Center](#)
- [University Center for Academic Excellence](#) (Undergraduate resource)

Your class instructors or teaching assistants can define specific academics expectations regarding graded classroom homework, projects or papers.

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## Registration for Fall 2021

*If you have not already registered, seats are filling up. Set up an advising session with [Brenda Bradrick](#) or [Josh Hertel](#).*

### Who to Contact for Academic Advising and Questions:

All new students please set up an advising appointment prior to registering. **Carly Mahedy, Director of Student Services, is on leave for the Summer and will return in the Fall.**

#### Health Informatics and Analytics (HIAN) Program *(Including Distance Education)*

Email: [bbradric@uncc.edu](mailto:bbradric@uncc.edu)

HIAN Courses/Requirements: [Catalog/Curriculum](#)

#### Data Science and Business Analytics (DSBA) Program

DSBA Courses/Requirements: [Catalog/Curriculum](#)

#### Early Entry (DSBA or HIAN)

Email: [jhertel@uncc.edu](mailto:jhertel@uncc.edu)

Catalog/Curriculum:

[HIA Early Entry](#)

[DSBA Early Entry](#)

#### Advising on Internships for DSBA or HIAN

Email: [jhertel@uncc.edu](mailto:jhertel@uncc.edu)

#### Authorization for Course Registration DSBA, or HIAN On Campus or Distance Education

Email: either Brenda [bbradric@uncc.edu](mailto:bbradric@uncc.edu) or Josh [jhertel@uncc.edu](mailto:jhertel@uncc.edu)

#### General Advising Questions

## Fall Electives and Special Topics Courses

We have several electives and two special topics courses offered this fall including:

### **DSBA 6010 Special Topics in DSBA: Data Privacy - Dr. Liyue Fan** ***DSBA Data Science Elective***

Personal data today is aggregated at large scales, increasing the risk of privacy violations or breaches in critical sectors (e.g., health care, automation, and finance). Current laws such as HIPAA and GDPR protect personal data in the United States and around the world. The course will cover privacy-enhancing technologies from data de-identification to state-of-the-art differential privacy research (e.g., deployed at Apple and the Census Bureau). We will also include broader discussions around topics such as data governance, ethics, and algorithm fairness. The material will touch on issues and methodologies from data mining/machine learning, databases, cryptography, distributed systems, law, policy, medical informatics, and statistics. ***Open to HIA and DSBA students***

### **DSBA 6010 Special Topics in DSBA: Text Mining and Information Retrieval - Dr. Sunshine Niu** ***DSBA Data Science Elective***

This course covers general computational techniques for analyzing large amounts of text data as well as basic techniques for information retrieval. By introducing text mining (TM) and information retrieval (IR) in a unified framework, this course emphasizes the importance of integration of IR and TM needed to build the two major types of text information systems, i.e., search engines (such as Google, MS Bing, etc) and text analytics systems, for text information access and text analysis. This course intends to provide a systematic introduction to many of these approaches, such as word association mining, text classification, text summarization, probabilistic topic modeling, and opinion mining. Students are expected to have basic knowledge about computer science, particularly some programming languages, and be comfortable with some basic concepts in probability and statistics such as conditional probability and parameter estimation. ***Open to HIAN and DSBA students***

### **DSBA 6520: Network Science -Dr. Siddharth Krishnan** ***DSBA Data Science Elective***

Network Science helps students design faster, more resilient communication networks; revise infrastructure systems such as electrical power grids, telecommunications networks, and airline routes; model market dynamics; understand synchronization in biological systems; and analyze social interactions among people. It examines the various kinds of networks (regular, random, small-world, influence, scale-free, and social) and applies network processes and behaviors to emergence, epidemics, synchrony, and risk. This course integrates concepts across computer science, biology, physics, social network analysis, economics, and marketing. ***Open to HIAN and DSBA students***

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## SDS Bootcamps - Summer 2021 Session

Registration for the summer SDS Boot Camps (Python, Statistics, and Introduction to R) opened for students on Friday, April 30th. These online training modules were created as a free resource, and are open to all students actively enrolled in the DSBA or HIA programs. **They are available to all SDS students- graduate and undergraduate.** They are intended to be utilized as introductory or foundational review tools. More information about the courses can be found here:

### SDS Bootcamps

Registration for the **Fall 2021 SDS Boot Camps** (Python, Statistics, and Introduction to R) will open for students, August 1st, 2021.

*Students currently enrolled in the summer 2021 sections must complete the boot camps by August 17th.*

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## SDS Student Organization Upcoming Events

The SDS Student Organization Board Members are spending the summer developing a student engagement plan that leads us all back into the real world of in-person networking and professional events and much more.

More information and details about upcoming events will be coming soon!

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## Sports Analytics at UNC Charlotte



UNC Charlotte's School of Data Science faculty member and full-time lecturer,

John Tobias, was recently featured in an article by the [Boston Globe](#) on the Sports Analytics industry. He is offering two new undergraduate classes this fall: DTSC 1110 Sports Analytics and DTSC 2110 Sports Business Analytics.

Check out the official sports analytics webpage below.

[Learn More Here](#)

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## Staff News - New Faces

### SDS Faculty Update

We are pleased to welcome several new and continuing associate graduate faculty to the SDS team. The School seeks out individuals with significant professional experience to teach in the program and offer applied perspectives in the field.



#### Chase Romano

Chase Romano started his career at Phillip O. Berry Academy of Technology as a Statistics and SAS Programming teacher. After 6 years of working in the education field, he moved to the corporate world where he worked as a data analyst for Charter and a Data Science Consultant for Duke Energy while also obtaining his master's degree from the School of Data Science at UNC Charlotte. Currently, Chase is a Solutions Consultant for Snowflake where he is

responsible for technical deployments at companies with various backgrounds and is an Associate Graduate Faculty member for the School of Data Science at UNC Charlotte. He will be teaching DSBA 5122.

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SDS In The  
NEWS

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## SDS x Charlotte FC: Uncovering Off The Field Insights

The Charlotte Football club partnered with SDS to empower undergraduate

students to derive “off-the-field” insights through a variety of projects. Students from the Sports Business Analytics class were divided into groups to tackle three separate projects on salary cap efficiency, expansion drafts and international roster usage. Charlotte FC provided brief guidelines and historical data sets for each objective.

Learn more about the project below, and how the club plans to utilize student-driven solutions to complete the inaugural roster.

[Read More Here](#)

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## Charlotte 49ers Partner with School of Data Science for Sports Analytics Internships



The Charlotte 49ers Athletics Department has partnered with UNC Charlotte’s School of Data Science (SDS) and the Department of Kinesiology to provide sports analytics for each of the 49ers’ 18 athletic programs. The new internship program, which is set to launch in fall 2021, offers students the opportunity to gain invaluable, “on-the-field” industry experience.

Learn more about the internship program below.

[Read More Here](#)

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## Genpact x SDS - Journeys in Transformation Analytics Mini Series



Doug Hague, executive director of UNC Charlotte's School of Data Science (SDS), joins Amaresh Tripathy, SDS founding member and senior vice president and global business leader, Genpact, for a podcast series on Journeys in Transformation Analytics.

The three-episode mini series focuses on the future of data science and AI in the workforce and the evolving role of ethics and fairness in data science. Each discussion will be released on a bi-weekly basis, with episode one launching on Friday, May 14th.

The Journeys in Transformation podcast is a longstanding series on analytics-themed discussions, hosted by Genpact and Tripathy. Previous guests have included Cardinal Health and Alcon.

Listen to episode one: ***Data is the new oil: How are we nurturing data scientists*** and episode two: ***The "can we" vs. "should we" for data scientists*** by clicking on Listen Now!

[Listen Now!](#)

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Mark Your  
CALENDAR

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# Save The Date - SDS New Student Virtual Orientation



**When: Friday, August 20, 4:00 - 5:30 p.m.**

Join UNC Charlotte's School of Data Science for the Fall 2021 orientation session for the DSBA and HIA graduate programs.

During this session, students will learn about how to prepare for the first semester, class expectations, and other aspects of each program.

[Register Here](#)

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## Fall 2021 New Graduate Student Welcome Reception



**Tuesday August 24, 2021; 5:00pm – 7:00pm**

New School of Data Science graduate students are invited to an outdoor reception. The event will be held outdoors on the lawn between the Belk Gym and Cone building. Sponsored by the Center for Graduate Life (CGL) No registration required.

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# *Featured Job*

## OPPORTUNITIES

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**American Tire Distributors (ATD) - Data Scientist  
Part-time Internship**



The student applying for the ATD Data Scientist Internship will need to have solid programming skills and a strong understanding of data science and relevant machine learning algorithms and packages.

[Learn More and Apply Here](#)

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## NC Museum of Art Foundation - Evaluation Internship



### North Carolina Museum of Art

Internships at the NCMA provide opportunities to become familiar with and actively contribute to the inner workings of an art museum. They offer a challenging learning experience and promote awareness of museum careers. This opportunity could be a good fit for students who are interested in applying data science skills to the arts and culture sector. The deadline to submit an application is July 1st.

[Learn More and Apply Here](#)

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## Hire-A-Niner: Job and Internship Resources

The logo for Hire-A-Niner is the text 'HIRE-A-NINER' in a bold, white, sans-serif font, set against a dark green rectangular background with rounded corners.

The Career Center has developed a special aggregating tool for Data Science students looking for internships or full-time placements. All postings in Hire-a-Niner that mention analytics or data science can be found with one click. There are a few odd postings, but in the main there is a rich stream of HIA, DSBA, and Data Science (DS) postings to be found.

**Bookmark the Site Today!**

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## Opportunities with Oak Ridge Institute



**ORISE Research Opportunities at the  
Centers for Disease Control and Prevention  
(CDC)**

Economic Evaluation Training Fellowship **NEW!**

CDC | Atlanta, GA | Full-Time | *DEADLINE: August 2, 2021*

Data Modernization for Public Health Programs Fellowship **NEW!**

CDC | Atlanta, GA | Full-Time | *DEADLINE: July 30, 2021*

Big Data Fellowship **NEW!**

CDC | Atlanta, GA | Full-Time | *DEADLINE: July 30, 2021*

Health Policy Fellowship **NEW!**

CDC | Atlanta, GA | Full-Time | *DEADLINE: July 30, 2021*

Data Modernization for Public Health Programs Internship **NEW!**

CDC | Atlanta, GA | Full-Time | *DEADLINE: July 30, 2021*

***All ORISE opportunities provide a competitive monthly stipend.***

*The Centers for Disease Control and Prevention (CDC) Research Participation Program is managed by the Oak Ridge Institute for Science and Education (ORISE) under an agreement between the CDC and the U.S. Department of Energy (DOE). The CDC collaborates to create the expertise, information, and tools that people and communities need to protect their health – through health promotion; prevention of disease, injury and disability; and preparedness for new health threats. The CDC ORISE programs are considered a valuable human capital and workforce development tool, which provide educational experiences and training in public health as a means to introduce highly motivated participants to potential public health careers.*

**Learn More and Apply Here**

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## Fall Internship with MLR Advisors

**Product Description**

Before reaching a conclusion about news or other information-based content on the web, readers search and evaluate - a time consuming process. Project Rosie's goal is to create Rosie Reports - single page summaries of various points of view from mainstream media outlets - to enable faster decision making.

Rosie Reports will be created in an increasingly automated fashion over time leveraging AI, machine learning, and natural language processing, as appropriate.

### **Project Description & Timeline**

We would like to present a solid prototype Rosie Report to a potential customer by December 1. This Report would be developed in part by a prototype "Summarizer" technology either built from scratch or leveraging, to an extent, an existing, available content summarizing technology.

Breaking down the deliverable, we need: (i) a tool that allows producers to input the original pieces of content they wish to have summarized; (ii) the Summarizer to summarize disparate pieces of content into brief snippets for easy reading; and (iii) a template page that presents the output, or aggregated summaries.

### Skills Required

- AI/ML/NLP experience
- A desire to learn and figure out complex problems
- Willingness to take a consultative approach with the co-founders on how to architect a new platform with an eye toward efficiency and scaling for the future

### Skills Preferred

- Experience with front-end frameworks and web design
- Experience with WordPress

**Contact Dave Elchones, [dave@mlradvisors.com](mailto:dave@mlradvisors.com), to apply or for more details.**

[Learn More](#)

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## **Burtch Works - Data Science & Analytics Recruiter**



Data Science & Analytics Salaries, Hiring Research, & Market Trends webinar and reports from Burtch Works for your review:

Webinar recording: <https://youtu.be/PDXizL0Grck>

Full report and slide deck: <http://www.burtchworks.com/study>

Looking for more info on current trends? Check out the additional links below.

1. Growing salary, education, and industry trends we're highlighting this year:  
<https://www.burtchworks.com/2021/06/21/new-report-5-growing-data-science-analytics-trends/>

2. Our latest hiring survey results for data science & analytics teams in Q3/Q4:  
<https://www.burtchworks.com/2021/06/15/survey-results-2021-data-science-analytics-data-engineering-hiring-in-q3-q4/>

3. Key data scientist skills for positions we're hiring for in 2021:  
<https://www.burtchworks.com/2021/06/08/12-key-data-scientist-skills-in-2021/>

[Learn More and Apply Here](#)

[Graduate Student Facebook Group](#)



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