



UNIVERSITY OF NORTH CAROLINA  
CHARLOTTE

SCHOOL OF  
DATA SCIENCE

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## Updates from the Director

Welcome to August; fall classes are just around the corner! Please check your Charlotte email for information regarding Town Hall and Orientation sessions for new and returning students. Some quick last-minute reminders for students:

- **Classes Start**: The first day of the fall semester is Monday, August 21st. Unless registered for online classes students are expected to be present on the first day.
- **Laptop Policy**: The University adopted a new “BYOD”(Bring Your Own Device Policy) in 2021. All students are **required to have a personal laptop computer** to support their college experience. The School of Data Science recommended that our students follow the university specification regarding hardware.
- **Textbooks**: Most of the course textbook requirements should have been posted to your individual class Canvas sites. More information about the Niner Course Pack option is below, but you can find general information regarding the campus bookstore and textbook options **HERE**.
- **Academic Integrity**: The University of North Carolina at Charlotte embraces an academic community committed to fostering teaching, scholarship, service, inclusion, and the overall growth of its students. At the heart of this community lies a fundamental value: academic integrity. We recognize the significance of cultivating an environment that upholds honesty, fairness, trust, respect, and shared accountability. We encourage all students to review and understand the University’s **Code of Student Academic Integrity**.

Additional resources are available on the program websites including links to free training and review materials. We are excited to welcome you all to campus in the coming weeks.

-Josh

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# Student

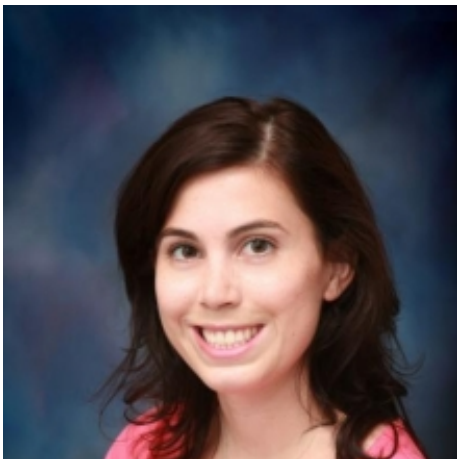
## RESOURCES

### New FREE Tuition Opportunity Available to Grads & Undergrads!

The [Niner Career Challenge](#) provides a chance to win...**FREE SPRING 2024 TUITION!** The challenge will help you plan for career readiness, and engage in services and events that help you prepare for your future. This runs from [August 28th - November 30th](#). You can periodically check your scorecard as you complete challenges throughout the three months.

LEARN  
MORE!

### SDS Appoints Dr. Shannon Reid and Dr. Marco Scipioni as Undergraduate Program Co-Directors



The School of Data Science (SDS) is excited to announce the appointment of [Dr. Shannon Reid](#) and [Dr. Marco Scipioni](#) as Undergraduate Program Co-Directors. In their new roles, they will be instrumental in shaping the governance, curriculum, student recruitment, and student success for SDS's undergraduate programs. Dr. Reid will oversee curriculum and governance, while Dr. Scipioni will focus on student success, including recruitment and retention.

Dr. Scipioni and Reid take over the position formerly held by [Dr. Angela Berardinelli](#). Angela was the founding Program Director for the undergraduate degree in Data Science. She led the efforts to launch the degree. Her creativity and hard work were instrumental in the early



and ongoing success of the program. On behalf of the students and School, we extend our sincerest thanks to Dr. Berardinelli.

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## Student Social Media Features!

The School of Data Science wants to continue giving our excellent students the chance to share their experiences being a part of SDS and UNC Charlotte as the new Fall term approaches. For a chance to be featured in our blog and social media, email **Lindsay Lennon** ([lindsay.lennon@charlotte.edu](mailto:lindsay.lennon@charlotte.edu)) from our Communications team!

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## Incomplete Grades that will default to Unsatisfactory

An important reminder that there is a time limit for Graduate and undergraduate courses on all Incomplete grades. **After 12 months the “I” will automatically convert to a “U.”** Incomplete grades that were assigned *in Summer 2022* will default to Unsatisfactory at the *end of Summer 2023*. To avoid suspension or termination the grade must be submitted no later than noon August 14, 2023.

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## Career Center Resources for SDS

If you have not connected with **UNC Charlotte’s Career Center** yet- what are you waiting for? The Career Center offers **in-person and virtual meet-ups** to explore career fields, resume writing, Effective LinkedIn profiles, etc. In addition to scheduled workshops, they have regular “walk-in” office hours and a variety of online **Career Programs**.

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## The Reynolds Center for Graduate Life and Learning (CGLL)

The CGLL is located in Room 149 of the Atkins Library Annex, across from the Career Center. It is a resource created specifically for graduate students and provides a physical setting for study sessions, mentoring, and social events for graduate and professional students. The CGLL also offers **professional development and workshops**. Stop in today!

## Workshops and Courses with the Reynolds Center for Graduate Life and Learning (CGLL)

The CGLL serves Graduate Students with a variety of social and academic programs including target classes like:

***NAVIGATING GRADUATE SCHOOL (GRAD 6000/8000) | 2 credits | MW | 4:00-5:40 PM | Online***

This course is particularly relevant for first-generation and underrepresented graduate students. It will help graduate students identify and define how their identities, experiences, and skills can be leveraged to progress through the potentially challenging and isolating environment of graduate life.

***WRITING FOR INTERNATIONAL STUDENTS (GRAD 6210/8210) | 3 credits MW | 1:30-3:00 PM | Atkins 146 OR TR | 10:00-11:30 AM | Atkins 146***

Designed to benefit English as a Second Language (ESL) for graduate students and serves as an introduction to concepts central to graduate-level writing in the United States, such as academic integrity, audience awareness, and discipline-specific variation.

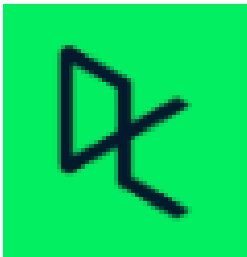
[See the full list of course offerings for Graduate Students here.](#)

## Planning on an Internship?

Visit the respective web pages for the HIA and DSBA internships. Each site has links to the most recent course syllabi and resources on how to prepare to submit a successful proposal. Please make sure to bookmark the **Career Center's DS aggregator**.

- [HIA Internship Course](#)
- [DSBA Internship Course](#)

## Welcome to DataCamp!



The School of Data Science and the College of Computing and Informatics recently signed a trial agreement with **DataCamp**. All SDS students **actively enrolled** for summer or fall 2023, and all SDS faculty, have **FREE** access to the full suite of training modules, and access to learning resources on hundreds of topics in the field of data science. Visit your program's website ([HIA](#), [DSBA](#), [BSDS](#)) under "Bootcamps" to request a free account (or join UNC Charlotte's platform with their existing account).

## Jamil Niner Student Pantry

Given that inflation has caused the price of food to rise dramatically, remember

that the Jamil Niner Student Pantry provides nutritious foods every week to currently registered UNC Charlotte students. [Visit their site for the shopping schedule.](#)

## Data Matters: Data Science Short Course Series



**August 7-11th, Virtual**

Data Matters™ is a week-long series of one and two-day courses aimed at students and professionals in business, research, and government. The short course series gives students the chance to learn about a wide range of topics in data science, analytics, visualization, curation, and more from expert instructors.

**REGISTER  
TODAY!**

## Fall Special Topics and Electives

**Topics in Geography: Urban Analytics GEOG 4000/5000**

Fall 2023 | TR 2:30 - 3:45 pm | Dr. Youngseob Eum

**Course Description:** Urban analytics is an emerging field that helps improve the understanding, management, and planning of cities by harnessing big data from a wide array of sources, including mobile devices, remote sensing, social media, and government records. This course introduces students to data analytics approaches to dealing with some of the biggest challenges that modern cities face, such as urban sprawl, crime, air pollution, traffic congestion, and socioeconomic inequity. Hands-on practices will help students to be equipped with essential R programming skills and data analytics techniques to collect, manage, and analyze various types of data in order to extract meaningful insights, make informed decisions, and disseminate findings to support urban planning and policymaking.

**Prerequisite & Preparation:** This course has no formal prerequisite, but working experience in R Programming is assumed.

## Faculty and Staff News



**We are pleased to welcome several new faculty members to the SDS team this fall:**

**Kornelia Bastin, Ph.D.**- Dr. Bastin is a Vice President and Lead Data Scientist for Truist Bank. Her research focuses on text analytics using NLP, Machine Learning, Deep Learning, and Neural network techniques together with visualization. This semester she will teach a section of DSBA/MBAD 6201 Business Intelligence and Analytics.

**Sabyasachi (Sabby) Gupta**- Sabby Gupta is currently a partner at Apexon. He brings a deep and diverse range of experiences working in health sciences and consulting. This semester he will be teaching HCIP 6393 Advanced Health Data Integration.

**Steven Jordan**- Steven Jordan is currently a Senior Manager for Client Experience Analytics at Vanguard. Steven is also an alumnus of the DSBA Master's program. This fall he will be teaching a section of DSAB/HCIP 5122 Visual Analytics and Storytelling.

**Samira Shaikh, Ph.D.** - Samira Shaikh is currently the Director of Data Science at Ally Bank. Formerly she was an Associate Professor at UNC Charlotte. We are exceptionally pleased to welcome her back to campus this fall. Dr. Shaikh will teach DSBA 6165 AI and Deep Learning.



**Looking for more internships and job postings? Log into [Hire-a-Niner](#) or use their convenient [School of Data Science aggregator](#).**

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### **Full-Time Positions**

- [Sustainability Data Analyst](#) - Strategic Energy Innovations, Climate Corps
- [Junior Business Analyst and Data Analyst](#) - AstaCRS Inc
- [Business Intelligence Developer/Data Analytics Analyst](#) - Southern Company
- [Business Intelligence Analyst](#) - The Walt Disney Company
- [Principal Data Scientist](#) - Microsoft
- [Data Scientist I or II](#) - Card Fraud Analytics-Truist
- [Quantitative Analyst](#) - Federal Reserve Bank of Richmond Charlotte, NC
- [Sports Statistician](#) - Genius Sports

- [Data Scientist](#) - Ford Motor Company

## Internships

- [Risk and Compliance and Data Analytics](#) - LPL Financial  
*LPL Financial offers a two-year rotational program for college graduates to help them gain exposure to different areas of LPL's business model and the program focuses on training and development. After two years they are placed in permanent roles.*

- [Global Transaction Services Summer Analyst](#) - Bank of America
- [Supply Chain Analyst Intern](#) - Continental Automotive
- [Global Quantitative Analytics Summer 2024 Analyst](#) - Bank of America
- [Sea Freight, Logistics Intern](#) - Continental Automotive
- [Corporate Business Development Analyst](#) - American Heart Association
- [Information Security Analyst](#) - Intel
- [Data Scientist Advanced Development Program Internship](#) - Summer 2024 Vanguard
- [AI & ML Intern](#) - ManTech

**Bank of America: Summer 2024 Internships** - Open to graduate and undergraduate Students. BOA opens its internship recruitment process almost a full year before the start of its summer analyst program start. Positions are available throughout the divisions of the Bank, in Charlotte, and around the world. Take time to explore their [Campus Career site](#). A partial listing of programs follows:

- [Finance Management Summer Analyst Program](#)
- [Global Quantitative Summer Analyst Program](#)
- [Corporate Audit Summer Analyst Program - Automation, Data Quality, Technology](#)
- [Global Risk Summer Analyst](#)



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## IMPORTANT DATES

Find the full [SDS Calendar of Events](#) on the program website

- **August 8, 2023:** Last Day of Classes- Summer Session
- **August 9, 2023:** Payment Due Date/Cancellation for non-payment

\* Payment Information

- **August 21, 2023:** First Day of Classes- Fall Semester
- **August 25, 2023:** SDS Kickoff Event
- **August 26, 2023:** Saturday classes begin
- **August 28, 2023:** Last day to add, drop a course with no grade\* @ 11:59 pm Payment Information

*Important!*

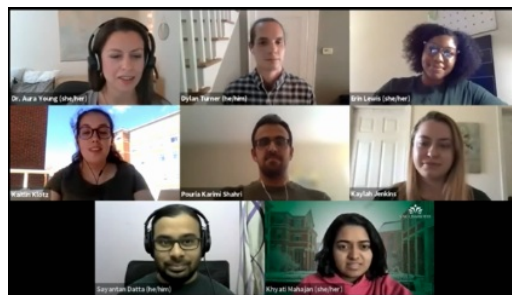
TO READ THE ENTIRE NEWSLETTER CLICK "VIEW ENTIRE MESSAGE" AT THE BOTTOM OF THIS EMAIL FOR JOB OPPORTUNITIES!

*Mark Your*  
**CALENDAR**

## Graduate Student Virtual Orientation - All Programs

**August 17, 2023 | 4:00-6:00 pm EDT | Zoom**

After a welcome message from the Graduate School Deans, hear all about services offered by the Center for Graduate Life and Learning and other campus support. Then hop between breakout sessions to get questions answered on topics such as funding, student life, and international student concerns.



**REGISTER**



## New Graduate Student Welcome Reception & Resource Fair

Hosted by the Center for Graduate Life on **Saturday, August 19th from 12:30 - 2:30** at the **Houser Alumni Pavilion**. The perfect introduction for newcomers and a fantastic opportunity for everyone to explore the wealth of resources available around campus! Come meet new grad students from every department as well as grad school staff and other campus partners who are here to support you. Plus there will be food, drinks, lawn games, free giveaways, and music! All new grad students are welcome (including part-time and distance education).



[REGISTER HERE](#)

## Fall Orientation & Town Hall for all DSBA & HIAN (On Campus)

School of Data Science will host an in-person Orientation for new and continuing graduate students on **Saturday, August 19, 2023, from 11:00 am - 12:30 pm**. It will be held on the main campus in **room 200 in the Student Union**. Please save the date and plan to attend.

[RSVP](#)

## HIA ONLINE/DE Certificate Orientation

Additionally, we will host a virtual orientation for our fully online / distance education students in the Health Informatics Certificate program on **Friday, August 18, 2023, from 12:00 noon - 1:00 pm**.

[RSVP](#)

## CCI Fall 2023 Career Fair - Save the Date!

**September 7, 2023 | 10:00 am - 2:00 pm | Barnhardt SAC Salons**

This career fair is exclusive to CCI, SDS and BIG students.

## SDS Student Kickoff Event



Join your classmates on August 25 as we celebrate the start of a new semester! Games and food will be provided while you catch up with new and old friends and classmates. Both undergrad and grad students are welcome!

## Annual Tech, Data & Analytics Week: September 25 - 29, 2023

Mark your calendars, the Career Center will host its annual Tech and Data Week of workshops and employer networking events in late September. Keep an eye on the [Career Center Calendar of Events](#) for more information.

## NCHIMSS Annual Conference



October 2 - 3, 2023 | Raleigh, NC

The [keynote speakers and agenda](#) have been released for the upcoming HIMSS NC Annual Conference! [Register](#) by September 12th for reduced pricing! Book your room ahead of time at the [Raleigh Marriott Crabtree Valley](#).

## Newsletters to Subscribe To and Free Reports

### Informatics SmartBrief- From AMIA

Looking for daily updates on Health Analytics trends and resources? Informatics SmartBrief is published by the American Medical Informatics Association. It is a daily newsletter that aggregates news articles and research announcements from across the web

### Burtch Works

Is a talent sourcing and consulting firm that produces an insightful annual report on salary and job trends in Data Science and Analytics. You can download their free [annual Salary Reports here](#).

### Data Science Central- Website and Newsletter

Data Science Central is an online resource for data practitioners. From Statistics and Analytics to Machine Learning and AI, Data Science Central provides a community experience that includes a rich editorial platform, social interaction, forum-based support, and the latest information on technology, tools, trends, and careers. Follow us on Twitter and LinkedIn to stay up to date on trending topics and events.

### North Carolina Technology Association (NC TECH)- IT Job Trends

NCTECH is a North Carolina-based group that tracks employment trends, across the state. They sponsor [Job Fairs](#), host a [Job Board](#), and published a monthly [Job Report \(June 2023\)](#), and a regular [NCTECH Newsletter](#).



## Data Science and Health Informatics In The NEWS

## ChatGPT drafts accurate patient illness summaries

Attending physicians in internal medicine correctly surmised whether a history of present illness notes was generated by ChatGPT or a senior internal medicine resident 61% of the time, according to a research letter published in JAMA Internal Medicine. HPI summaries generated by residents were more detailed, but overall scores differed by a mean of one point on a 15-point scale, and co-author Ashwin Nayak says large language models can "draft clinical notes at a level that we would want as a clinician reviewing the charts and interpreting the clinical situation."

FULL  
STORY

## Deep learning may guide Crohn's disease treatment

A deep learning model that analyzes capsule endoscopy videos identified patients newly diagnosed with Crohn's disease who might benefit from biologic therapy, according to a study published in *Therapeutic Advances in Gastroenterology*. The model detected and accurately graded inflammation indicators in CE images and outperformed a standard scoring system when predicting the need for biologic therapy.

[FULL STORY](#)

## FHIR® App Competition open

Apply for this exciting opportunity to present your FHIR® app in November. In partnership with HL7, AMIA is hosting a competition for the most innovative FHIR app. Cash prizes are available, sponsored by Leap of Faith Technologies. [Submit your application by Aug. 29.](#)

## ONC program aims bring diverse skills to public health

Sherilyn Pruitt, a senior adviser in the Office of the National Coordinator for Health IT, is co-leader of the Public Health Informatics and Technology Workforce Development Program, which aims to train 4,000 people to support public health informatics, data collection and analysis, and bring more people from underrepresented communities into public health IT. The program will diversify the public health workforce and bring people with diverse skill sets who can make policies that lead to healthier populations into public health departments, Pruitt says. Full Story: [Health IT Buzz \(Office of the National Coordinator for Health IT\) \(7/26\)](#)



Graduate  
STUDENT COUNCIL

We will soon be gearing up for another fun semester with the graduate student council! Please watch for more information to come regarding officer elections,

and consider running for a position. We have many to fill this Fall! :)

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## To Learn More and Register for Upcoming SDS Events Visit the [SDS News & Events Page](#)

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### Association of Data Science (Undergraduate Student Organization)

The Association of Data Science is excited to kick off a new academic year! The group invites all interested students to come to meet club officers and sign up to be added to the organization roster at one of the upcoming kick-off events in August or the first meeting in early September. Meetings for the fall 2023 semester will take place on the 1st and 3rd Thursday of the month at 6:00 pm. All questions about the group can be directed to the group through [Niner Engage](#).

- **Student Organization Showcase** - Saturday, August 20th @ 3pm in the CHHS/COED Plaza
- **The School of Data Science Kick-Off Event**- Friday, August 25th @ 11am in the North Main Quad
- **First Organization Meeting** - Thursday, September 7th @ 6pm - location TBA



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### Updating Alumni Information

Keep your contact information current, you'll be sure to receive the latest information on SDS alumni events, news, announcements, and more. With more than 100,000 UNC Charlotte alumni and 800 (and growing) from the School of Data Science, you can connect with other fellow graduates around the globe.





[Click here to update your contact and/or professional information.](#)

## Campus Wide Recruitment: UNC Charlotte's Career Center

If your company is looking to target new talent, a reminder for alumni that Hire-a-Niner is still available to you- *as an employer*. You can limit your reach to students- graduate and undergraduate- enrolled in the School of Data Science or target the entire campus. *Please let us know when you post and we will make sure that it also gets featured in the regular SDS newsletters.*

### Posting Jobs & Internships

Setting up an Employer Hire-A-Niner Account:

1. Visit <https://hireaniner.uncc.edu/employer>
2. Please note this is your first invitation to view our policies. "Welcome Employers! Please read our [Employer Policies](#). By using Hire-A-Niner, you agree to adhere to these policies. Please contact our employer team with any questions at [recruitUNCC@uncc.edu](mailto:recruitUNCC@uncc.edu)."
3. Click "Register For A Hire-A-Niner Account"
4. Complete the information, and click "Submit"
5. You will receive a system-generated email confirming receipt of your registration request
6. Within 2 business days, your account will be reviewed for approval

Once you have access to Hire-A-Niner, you will be able to post/manage positions and choose from the many different recruiting services and events we offer each semester. If you are interested in discussing other recruitment and branding opportunities with the University Career Center, we encourage you to connect with our Employer Engagement Team at [recruit@uncc.edu](mailto:recruit@uncc.edu).



**GET CONNECTED with SDS!**  
Feel free to join the School of Data Science  
GroupMe and Slack Channel for regular updates.

**GROUPME**

**SLACK  
CHANNEL**



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