DATA SCIENCE

Bachelor of Science

CLARK UNIVERSITY

Introduction to the Major

Data is ubiquitous, impacting all. Expertise in data is essential across industries and society, enabling impactful change.

Clark University's Data Science major offers interdisciplinary training in quantitative analysis and machine learning, emphasizing the role of data science in promoting smart policies, equitable practices, and inclusive communities. The program addresses ethical and social implications of data use while empowering students with versatile skills for diverse fields. The graduates are prepared to tackle real-world challenges and make a positive societal impact.

Highlights

At Clark, study data science in a small liberal arts university with diverse programs and strong interdisciplinary collaborations. Choose from focused tracks like biology, chemistry/biochemistry, computer science, economics, environmental science, game design/production, geography, management, mathematics, physics, and psychology, with more in development.

"The supportive community, inspirational faculty, interdisciplinary curriculum, and various research opportunities at Clark have fostered my growth as a data science student."

- Nguyen Ha '23

What can I do with my major?

JOBS & EMPLOYERS

With the growing adoption of data technologies by companies and organizations, Clark data science graduates can pursue rewarding careers across diverse fields.

Data science helps organizations harness their data and use it to discover knowledge, identify opportunities, and develop solutions.

GRADUATE PROGRAMS

Alumni can pursue studies in fields like data science, computer science, statistics, geospatial data, business, game, sports analytics, economics, law, and more.

Foundational Courses

The data science major covers mathematical and computing foundations and teach general knowledge and skills broadly applicable to data science work in all disciplines. The major includes:

- 1 year of calculus (Math 120/124 & 121/125)
- 1 year of foundational computing courses (CSCI 120/124 & 121)
- 4 data science courses
- 6 elective courses with 4 courses from one of 11 data science tracks

Find out more at clarku.edu/programs/major/data-science-bs/

YOUR CLARK EXPERIENCE

Discover and Demonstrate your Purpose | Cultivate Your Communities | Engage Locally & Globally | Develop your Professional Identity

Year 1

Get to know the data science program

Connect with your professors and current students to learn about the major and potential paths. Take one or more introductory courses in computing, math, and data science.

Identify potential Clark Core courses

Work with your adviser to select courses that match your interests and plans. Some data science courses, such as CSCI 120/124 (SP), DSCI 103 (FA, DI), ECON 010 (GP), GAME 025 (AP), MATH 133 (FA), MGMT 100 (VE), fulfill core requirements.

Get involved and explore campus resources

Explore student organizations and events that align with your interests. Check out student resources such as Division of Student Success, Writing Center, Quantitative Skills Center, and Career Connections Center (CCC).

Year 2

Dig in and define your interests

Take core and elective data science courses to shape your path. Engage with faculty, including the Program Director, for information and insights on selecting courses and a track aligned with your interests.

Explore career paths and build your network

Connect with faculty, career advisers, and upperclass students to explore internships, job, and graduate school options. Seek their expertise for enhancing your resume, cover letters, and webpages. Expand your network, attend department seminars, and career fairs.

Search and apply for opportunities

Discover on-campus positions like teaching and research assistantship or the ITS Helpdesk. Utilize Handshake to explore internship programs. Apply for positions that align with your interests and qualifications.

Year 3

Stay on track and plan ahead

Continue with your data science courses and strategize for a capstone experience or honors project. Explore the 4+1 Accelerated Master's Degree for options to earn a bachelor's and a master's degree in five years.

Go beyond the classroom

Secure a campus position, create/lead student clubs, and give back to the community. Support underclass students and develop valuable skills in leadership, teamwork, collaboration, and communication.

Apply for internship/research opportunities

Start early and apply diligently. Seek advice from faculty, advisers, alumni, and upperclass students for search and application strategies. Prepare applications and interviews meticulously, and leverage connections for success.

Year 4

Finish strong

Continue tracking and meeting important deadlines, make sure to complete all requirements. Present your projects at ClarkFEST and check out other Clarkies' work.

Prepare to launch

Join the Clark alumni community and seek advice from senior alumni. By tapping into this network, you can gain invaluable guidance and support as you navigate the exciting opportunities that lie ahead. Also, the faculty and staff will still be resources available to you.

Apply for jobs and/or graduate programs

Stay organized, research and tailor your applications to highlight your strengths and experiences. Practice for interviews and maintain professional communications throughout the process.