

HOW TO USE THIS MAP

- UToledo's Major Map is a guide for you to plan for future success while you explore your University experience. The five rows of the map provide a step-by-step guide to integrate your academic courses with experiences on and off-campus that will help build your career readiness.
- Start thinking about life beyond college now and use the map to set short- and long-term goals, such as preparing for graduate or professional schools, preparing for your first career-track job and networking with others in your profession.

RESOURCES FOR SUPPORT

From orientation to graduation, there are many resources to support your University experience.

Your success coach is like your personal GPS. As you navigate from where you are to where you want to be, coaches offer one-on-one guidance and support through referrals to academic support services and other campus resources, and connections to campus engagement and experiential learning opportunities. Visit utoledo.edu/successcoach to connect with your success coach.

Career Services provides comprehensive career planning and preparation services for all UToledo students in order to clarify and implement their academic and career goals. Connect with Career Services during your first year and continue working with them often throughout your academic career. Visit utoledo.edu/career to learn more about the programs, services and events to support your success.



BUILD YOUR EXPERIENCE BEYOND THE CLASSROOM

By engaging in high-impact experiences beyond the classroom you can help yourself stand out as you begin your career.

UToledo data science students complete an integrated capstone course senior year. You'll apply your knowledge of advanced data science concepts, building sophisticated databases, engineering and visualization of large data sets, and more, to data in your chosen field of concentration.

Talk with your academic advisor or a faculty mentor to learn about how you can immerse yourself in experiences that will challenge you, provide meaningful interaction with faculty and peers and actively engage in the material you're learning.

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Data Science Interdisciplinary Degree Program
Main Campus, Wolfe Hall, Room 2246
419.530.7845

NSMAdvising@utoledo.edu
utoledo.edu/nsm/bs-data-science



FUELING TOMORROWS



TOP FIVE REASONS TO STUDY DATA SCIENCE AT UTOLEDO

- 1** Data science is THE job of the moment. Demand far exceeds supply for skilled data scientists.
- 2** Work directly with outstanding faculty from a wide variety of disciplines.
- 3** Learn computer code, create multi-source reports, use data to make informed decisions and gain software skills needed for science, business and other data fields.
- 4** Choose an area of concentration and have the opportunity to apply your skills in an area of interest to you.
- 5** Emphasis on experiential learning through hands-on research, as early as your first year.

AMPLIFY YOUR MAJOR

- Choose supplemental coursework in social sciences, health science, business or engineering to enhance your data skills in the everyday practices of a broad array of career paths.
- Data scientists are multi-lingual writing code in different programming languages such as Python, R, SAS and SQL. Learning additional computer languages will increase the versatility of your future career options.
- Get involved in undergraduate research, it can make you stand out, and you may also have the opportunity to present and publish your research results.

PUTTING YOUR DEGREE TO WORK

- Astronomy & physics
- Biotechnology
- City, state & local government
- Consulting services
- Energy
- Engineering
- Environmental sciences
- Finance & financial
- Healthcare & public health
- Pharmaceutical
- Research
- Telecommunications
- Travel & transportation

“The classes I’ve taken have been very diverse, ranging from computer science, math and physics to classes such as economics, philosophy and literature. This has given me the opportunity to explore different areas and understand myself better. My greatest achievement was having a paper I worked on with my instructor accepted at a conference.”

HUNG DO, Machine Learning Engineer, MoMo,
B.S. Data Science, economics concentration, '21



WHAT WILL I LEARN?

Develop your career readiness competencies to ensure you are prepared to launch your career upon graduation:

- Career & Self Development
- Communication
- Critical Thinking
- Equity & Inclusion
- Leadership
- Professionalism
- Teamwork
- Technology

HOW WILL I USE IT?

Use your degree to attain career positions such as:

- Business analyst
- Business intelligence analyst
- Cloud architect
- Computer network defense analyst
- Consultant
- Data analytics manager
- Data analyst
- Data architect
- Data engineer
- Data mining engineer
- Data scientist
- Database administrator
- Database developer
- HR business analyst
- Information technology lead
- Intelligence analyst
- Lecturer
- Machine learning engineer
- Marketing analyst
- Product manager
- Product marketing manager
- Quantitative ecologist
- Research scientist
- Scientific software developer
- Site reliability engineer
- Software engineer
- Solutions consultant
- Statistician