



## WHAT CAN I DO WITH A MAJOR IN...

### DATA SCIENCE: VISUALIZATION AND VISUAL ANALYTICS FOR THE BUILT ENVIRONMENT

#### Description of Major

A Bachelor of Science in Data Science with a concentration in Visualization and Visual Analytics for the Built Environment prepares students with the knowledge and skills necessary to meet the growing demand for data science experts in digital transformation and artificial intelligence. The degree program supports students in meeting the design and construction industry's need for new professionals who can bring together computational statistics and data analytic skills with visualization skills to inform the development of new workflows and strategies. For more information on this major, visit [www.datascience.msstate.edu](http://www.datascience.msstate.edu), stop by 133 Etheredge Hall, or call 662-325-3168.

#### Possible Job Titles\*

Data Visualization Lead	Smart City Analyst
Predictive Maintenance	Smart City Application Developer
Building Information Modeling Specialist	Augmented and Virtual Reality Designer
Data Visualization Analyst	Augmented and Virtual Reality Developer
Parametric Architecture Developer	Visual Analytics Engineer
Building Estimation Modeler	

#### Possible Employers\*

Architecture Firms	Non-Governmental Organizations (NGOs)
Construction Companies	Public Policy and Economic Development Organizations
Data Visualization and Business Intelligence Companies	Real Estate Development and Property Management Companies
Energy and Utilities Companies	Retail and Commercial Real Estate
Environmental Consulting Firms	Sustainability and Green Building Consultants
Geographic Information System (GIS) Companies	Transportation and Mobility Companies
Government Agencies	Urban Planning and Development Agencies
Health Analytics and Healthcare Organizations	
Infrastructure and Engineering Companies	

#### Job Search Websites\*

The following links are excellent resources on specific careers such as those listed above:

- **Connections:** <https://msstate-csm.symplicity.com/>
  - **Careershift** – Under “Resources” tab
  - **GoinGlobal** – Under “Resources” tab
- **LinkedIn:** <https://www.linkedin.com>
- **O-net:** <https://www.onetonline.org/>
- **USAJOBS:** <https://www.usajobs.gov/>

#### Campus Involvement\*

The following links are excellent resources on how to get involved on the MSU campus:

- **Bulldog Mentor Program:** <https://bulldognetwork.msstate.edu/v2>
- **Cowbell Connect:** <https://msstate.campuslabs.com/engage/>
- **Student Research:** <https://www.datascience.msstate.edu/research/student-research>

\*Note: These lists are not comprehensive.