



## Tips for Requesting Employer Sponsorship

One of the ways that students fund their degree program is through employer sponsorship. While your company may not advertise that this funding is available, they may have funds available to you if you put in a request.

Beyond funding, employers can also support your degree progress by adding flexibility to your schedule and providing new challenges and opportunities to take advantage of your growing skill set. Having a scheduled conversation to discuss your professional development goals is a great way to help foster support, in whatever form it may take. This tip sheet offers you some information to help you request employer support for the Master of Science in Applied Data Science.

### HOW TO SHAPE YOUR SPONSORSHIP REQUEST

#### **Schedule an appointment.**

Plan a meeting with your supervisor or human resources representative. In this preliminary meeting, you should be prepared to discuss the program and identify reasons why you want to earn this degree.

#### **Do your research.**

See if your company has an educational benefits program or has sponsored individuals in the past. Familiarize yourself with these efforts before meeting with your supervisor.

#### **Frame your argument.**

Consider why you want to pursue your master's degree and make a list of the reasons why earning your degree will make you more valuable to your organization. Be sure your objectives and reasoning are clear and be prepared to discuss your plans.

#### **Demonstrate your value.**

Think about key issues your department/company is currently facing and align your skill development in the program with these key issues.

#### **Drive action.**

Let your employer know that they can speak with a DataScience@Syracuse Admissions Counselor if they have questions about the program or about the application process.



## PROGRAM OVERVIEW

### Master of Science in Applied Data Science

The online M.S. in Applied Data Science prepares students to use applications of data science so they can effectively perform the following functions in a variety of contexts:

- Understand major practice areas in data science
- Collect, organize and manage data
- Identify patterns in data using visualization, statistical analysis and data mining
- Develop actionable insight based on data
- Communicate data analytics and findings to people across a broad range of industries
- Synthesize and understand data science ethics and privacy

## STUDENT EXPERIENCE

No matter where you are in the world, DataScience@Syracuse offers students the same degrees as students who attend on campus.



- **A robust online learning experience.** Through live online classes, multimedia coursework, collaborative group projects, and hands-on learning opportunities, DataScience@Syracuse combines the collaboration of an on-campus degree with the flexibility of an online program.



- **An on-campus immersion.** Students have the opportunity to collaborate with classmates and professors in person during immersive learning experiences. Students meet with peers, learn from industry experts, and participate in workshops.



- **Dedicated student support.** As part of the Syracuse University community, students have access to meaningful academic and career support.

## CURRICULUM OVERVIEW

The M.S. in Applied Data Science program is 36 credits, which can be completed in as little as 18 months. Designed to provide students with critical-thinking and problem-solving skills, the curriculum is structured as follows:

### Common Core Coursework

- Introduction to Data Science
- Data Administration Concepts and Database Administration
- Data Analytics
- Data Analysis and Decision Making
- Business Analytics
- Big Data Analytics

### Analytics Application Core Coursework

- Accounting Analytics
- Marketing Analytics
- Financial Analytics
- Principles of Management Science

### Electives

- Scripting for Data Science
- Natural Language Processing
- Information Visualization
- Data Warehouse
- Text Mining
- Advanced Database Management

### Portfolio Milestone

Students choose specific projects throughout the program that best showcase their particular skills. Completed projects are included in the final portfolio and submitted to a panel of faculty for review in students' final term.