Online Graduate Program in Data and Information Fusion

Looking for an interesting career that offers remarkable job opportunities? Our online graduate program is the premier system-level data and information fusion program in the U.S.

The data and information fusion field has seen tremendous growth in the last 15 years and has an enormous impact on businesses and society. Specialists are needed in a wide variety of industries – from defense applications for advanced surveillance and reconnaissance systems to robotics, civil infrastructure systems, medical monitoring systems, intrusion detection systems, intelligent transportation systems, and in environmental monitoring applications, to name just a few.

In our program, you will learn how to analyze information from multiple sources and sensors along with information from human reports, databases and social media. Combine that with our multidisciplinary approach to designing and implementing data and information fusion systems, and you'll have a marketable educational experience like no other.

Why Study Data and Information Fusion at UB?

1. UB houses the Center for Multisource Information Fusion (CMIF), the only dedicated data/information fusion center in the U.S.

2. You will gain knowledge from the top data and information fusion experts in the field

3. Our flexible distance learning program is designed to work around your schedule, saving you time and money

4. You will learn practical aspects of data and information fusion through CMIF funded projects

5. Members of our world-renowned faculty have written the first integrated text on multisource data and information fusion as well as the comprehensive “Handbook” texts on this complex topic, and have played leadership roles in a wide range of R&D programs spanning defense, security, and cyber applications, medical and transportation applications, and NASA-based attitude control systems for orbiting spacecraft.

6. Students who complete this program will be prepared to work in and contribute to a growing field with remarkable job opportunities
Who Can Apply?
Our one-of-a-kind online program is designed for working professionals. In order to apply, applicants must have:

- A baccalaureate degree in Engineering, Math, Physics, or a related science field
- Demonstrated practical engineering experience
- A minimum GPA of 3.0 (on a 4.0 scale) for all undergraduate work completed in the last two years of study

Degree Requirements
Our online degree is an ME in Industrial Engineering with a specialization in Data and Information Fusion. In addition to a six credit hour engineering project, students in this program must take two technical electives plus the following six courses:

- IE552 Multisensor Info Fusion
- IE553 High Level Info Fusion
- IE561 Information Systems
- IE563 Data Mining in Service Enterprises
- MAE674 Optimal Estimation Methods
- PHI598 Special Topics-Ontological Engineering

Interested in taking only a few classes? Ask us how you can get involved as a non-degree student.