



MASTER OF SCIENCE IN APPLIED SECURITY AND ANALYTICS

ON-CAMPUS AND ONLINE COURSES AVAILABLE



University of Findlay

Program Overview

Businesses, health care institutions, higher education, and government agencies are using data to determine trends and predict human behavior. With data, however, comes big security risks for IT systems. The use of data is already leading to a surge in executive-level roles for leaders who can secure data, understand analytics, and drive an organization's success.

A graduate degree from the University of Findlay can prepare you for newly emerging positions, such as:

- Business Intelligence Analyst
- Data Scientist
- Software Engineer
- AI-Powered Applications Engineer
- Cybersecurity Specialist
- Compliance & Risk Manager

A Master of Science in Applied Security and Analytics from the University of Findlay can jumpstart your career by expanding your IT knowledge in the areas of security and analytics. Students will develop skills using Excel, Access, SQL Server, Tableau, R, SPSS, and other industry used software products. You'll also hone your business skills in finance, strategic planning, project

management and, most importantly, the art of managing people in an information technology environment.

Program Highlights

PSM Degree - Findlay's Master of Science in Applied Security and Analytics is an affiliated professional science master's program.

Complete in Two Years - Full-time students take nine hours per semester to complete in two fall terms and two spring terms. Part-time students are also welcome!

Convenient - Courses are offered in the evening and online to accommodate working adults in the program.

Current Industry Trends - UF stays up-to-date on current industry trends through an advisory board of regional industry leaders.

Innovative Degree - Findlay is the only institution in Ohio offering this type of master's degree.

Integrated Program - The strength of a PSM program is that it integrates advanced STEM coursework with practical training in business, management, and leadership allowing graduates to bridge the gap between science and business.

WHY MSASA?

Advanced courses in leadership, data analytics, and cybersecurity will expand your business skills in strategic planning, finance, security, and project management. The program is offered online and on-campus and can be completed in two years. Classes start in the fall and spring semesters each year.

ABOUT OUR FACULTY

Since 1882, we've built a tradition of professors who don't just teach theory; they've lived it. They're approachable mentors who challenge you to think critically and meet rigorous academic expectations, but they also understand that learning means preparing you to achieve your career goals.

12:1*

campus-wide
student-to-
faculty
ratio

20

consecutive
years of
recognition in
US News and
World Reports

28K+

Alumni
Network
Worldwide

RECENT GRADS WERE HIRED AT COMPANIES LIKE THESE:



MSASA STATISTICS

Recognized as "Best Online
Master's in Data Analytics
Degree Programs" for 2025
in *TechGuide*



ADVISORY SUPPORT NETWORKS

Our faculty and curriculum are supported by University of Findlay's Computer Science Advisory Board. The Advisory Board provides guidance and support in the areas of curriculum, experiential opportunities and resource development to enable the development of ethically-minded and innovative students capable of solving problems and contributing to the advancement of technology in the 21st century. This support, in addition to our nearly 30K Oiler Alumni network around the world, enhances the educational experiences of students, networking opportunities and in preparing them for meaningful lives and productive careers.

CURRICULUM INFORMATION

The Master of Science in Applied Security and Analytics requires the completion of both technical and professional components for a total of 34 semester hours.

Professional Component

ENVM 515	Accounting and Financial Analysis for Technical Managers. . .	3 hrs
ENVM 625	Project Management and Planning	3 hrs
MBA 665	Management of Information and Technology	3 hrs

Technical Component

CSCI 510	Applied Security Principles	3 hrs	CSCI 590	Data Mining for Decision Making	3 hrs
CSCI 523	Statistical Methods for Business Analytics.	3 hrs	CSCI 613	Risk Management for Information Systems	3 hrs
CSCI 536	Python Programming	1 hr	CSCI 690	Data Visualization and Predictive Analytics	3 hrs
CSCI 560	Secure Coding	3 hrs	CSCI 697	Capstone Project Development.	1 hr
CSCI 580	Advanced Software Engineering	3 hrs	CSCI 698	Capstone Project	2 hrs



"MSASA professors genuinely care."

"The University of Findlay's MSASA program has truly shaped who I am as I prepare to graduate, giving me both the skills and the confidence to move forward on a path of success. The MSASA professors genuinely care about their students and have consistently gone out of their way to support me, not only academically but personally as well."

– **Samantha Dalton**

"My journey at UF has been truly transformative."

"My journey at the University of Findlay has been truly transformative academically, professionally, and personally. The program challenged me to think critically, work on real-world problems, and push beyond what I thought I was capable of. The University of Findlay didn't just help me earn a degree; it helped me grow into a confident professional, researcher, and leader."

– **Yash Bolla**



Choose Ohio First

Scholarships may be available to eligible students.



University of Findlay

OFFICE OF ADMISSIONS

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APPLY