# CYBERSECURITY ANALYTICS AND OPERATIONS

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| **Graduate Program Head** | Jeffrey Bardzell |
| **Program Code** | CYMPS |
| **Campus(es)** | University Park (M.S.)<br>World Campus (M.P.S.) |
| **Degrees Conferred** | Master of Science (M.S.)<br>Master of Professional Studies (M.P.S.)<br>Integrated B.S. in Cybersecurity and Analytics and M.S. in Cybersecurity and Analytics<br>Integrated B.S. in Cybersecurity and Analyticsand M.P.S. in Cybersecurity and Analytics<br>Integrated B.S. in Enterprise Technology Integration and M.S. in Cybersecurity and Analytics<br>Integrated B.S. in Human-Centered Design and Development and M.S. in Cybersecurity and Analytics |
| **The Graduate Faculty** | View (https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=CYMPS) |

The Master of Science in Cybersecurity Analytics and Operations program is designed to create a deep understanding of cybersecurity analytics and operations, by blending education relating to technology, incident response, strategic planning, and crisis management.  The program also aims to prepare the next generation of cybersecurity analysts to better protect digital information from attack through cyberdefense strategies, including incident response, strategic planning, and crisis management.  With a foundation in mathematics and computer programming, students will be prepared to recognize, analyze, defend against, and manage risks related to a wide range of threats to online information, data stores, and networks. The program will be delivered in a resident format that takes one to two years.  The total credits of the program is 30.  A one-year program starts in a Fall semester, and concludes at the end of the following Summer.

The Master of Professional Studies in Cybersecurity Analytics and Operations (MPSCY) is an innovative program that targets professionals and organizational leaders who seek a professional education and training program. The purpose of the professional master's program is to produce professionals and organizational leaders who not only can select and draw upon the necessary foundations within the cybersecurity analytics and operations technology areas, test the applicability of these foundations for addressing a given issue, and apply the resulting solutions, but also can be aware of the multitude of technological trends and environmental factors that organizations must address in the changing global economy.  The M.P.S. equips students to: understand and analyze the profound information and technological changes sweeping the world; meet challenges by developing innovative solutions using the foundations of cybersecurity analytics and operations; and have a clear advantage in today's highly competitive and dynamic environment by continuously learning new trends, issues, and innovations.