

# Academic Program Sequence Map

Mercy University

Program Degree Type and Name: **MS in Cybersecurity**  
Program Level: **Graduate** Academic Term Type: **Semester**

Catalog Year: **2025-2026**

| * Denote core course with an asterisk and (cc) next to the course number |    |                            |                    |                        |                           |                            |                              |           |                            |                  |  |
|--------------------------------------------------------------------------|----|----------------------------|--------------------|------------------------|---------------------------|----------------------------|------------------------------|-----------|----------------------------|------------------|--|
| Year and Term: Year 1 Fall Term                                          |    | Credits Per Classification |                    |                        |                           |                            | Year and Term: Year 1 Spring |           | Credits Per Classification |                  |  |
| Course Number & Title                                                    | CR | Maj                        | Co/Prerequisite(s) | Milestone/Advice       | Course Number & Title     |                            | CR                           | Maj       | Co / Prerequisite(s)       | Milestone/Advice |  |
| *IASP 500 (cc) Topics in Info. Security                                  | 3  | x                          |                    |                        | Any Category              |                            | 3                            | x         |                            |                  |  |
| *IASP 505 Found. of Cybersec. Sci.                                       | 3  | x                          |                    |                        | Application Category      |                            | 3                            | x         | IASP505                    |                  |  |
| Legal/ MGMT Category                                                     | 3  | x                          |                    |                        | Network Category          |                            | 3                            | x         | IASP505                    |                  |  |
| Term Credit Total:                                                       | 9  | 9                          |                    |                        | Term Credit Total:        |                            | 9                            | 9         |                            |                  |  |
| Year and Term: Year 2 Fall Term                                          |    | Credits Per Classification |                    |                        |                           |                            | Year and Term: Year 2 Spring |           | Credits Per Classification |                  |  |
| Course Number & Title                                                    | CR | Maj                        | Co/Prerequisite(s) | Milestone/Advice       | Course Number & Title     |                            | CR                           | Maj       | Co / Prerequisite(s)       | Milestone/Advice |  |
| Special Category                                                         | 3  | x                          |                    |                        | IASP 600 Master's Project |                            | 3                            | x         | below                      |                  |  |
| Any Category                                                             | 3  | x                          |                    |                        |                           |                            |                              |           |                            |                  |  |
| Any Category                                                             | 3  | x                          |                    |                        |                           |                            |                              |           |                            |                  |  |
| Term Credit Total:                                                       | 9  | 9                          |                    |                        | Term Credit Total:        | 3                          | 3                            |           |                            |                  |  |
| Program Totals                                                           |    | Credits: 30                |                    | General Education: N/A |                           | Master's Project- IASP 600 |                              | Major: 30 |                            |                  |  |

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course GC: Gateway Courses CA: Career Activity ELC: Experiential Learning Course WBE: Work-based Experience

Note: (Major Categories are listed below)

|                           |                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Category      | IASP520 Data Mining & Knowledge Discovery<br>IASP525 Databases Security<br>IASP530 Forensic Computing IASP565 Social Media & Security<br>IASP 585 Applied Cryptography |
| Network Category          | IASP550 Intrusion Detection & Prevention<br>IASP555 Mobile Tech & Wireless Sensor Services<br>IASP560 Wireless Network & Security                                      |
| Legal/Management Category | IASP510 Social Implication of Info Security<br>IASP540 IT Audit and Compliance<br>IASP580 Security Audit & Compliance                                                  |
| Special Category          | IASP590 Internship: Adv Topics in Sec Practice (WBE)<br>IASP595 Special Topics in Info Security<br>IASP 599 Independent Study IASP601 Master's Thesis (ELC)            |
| Major Electives           | 9 credits can be taken from any of the<br>Application, Network, Legal/Management Category, or Special Category)                                                        |
| Capstone Category         | IASP 600 Master's Project                                                                                                                                              |

**Note 2:** IASP500, IASP505, and at least one from each {Application, Network Categories}

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