# MS-Cybersecurity

## KENNESAW STATE UNIVERSITY
### INSTITUTE FOR CYBERSECURITY WORKFORCE DEVELOPMENT

## Example MS-CYBR Course Sequence

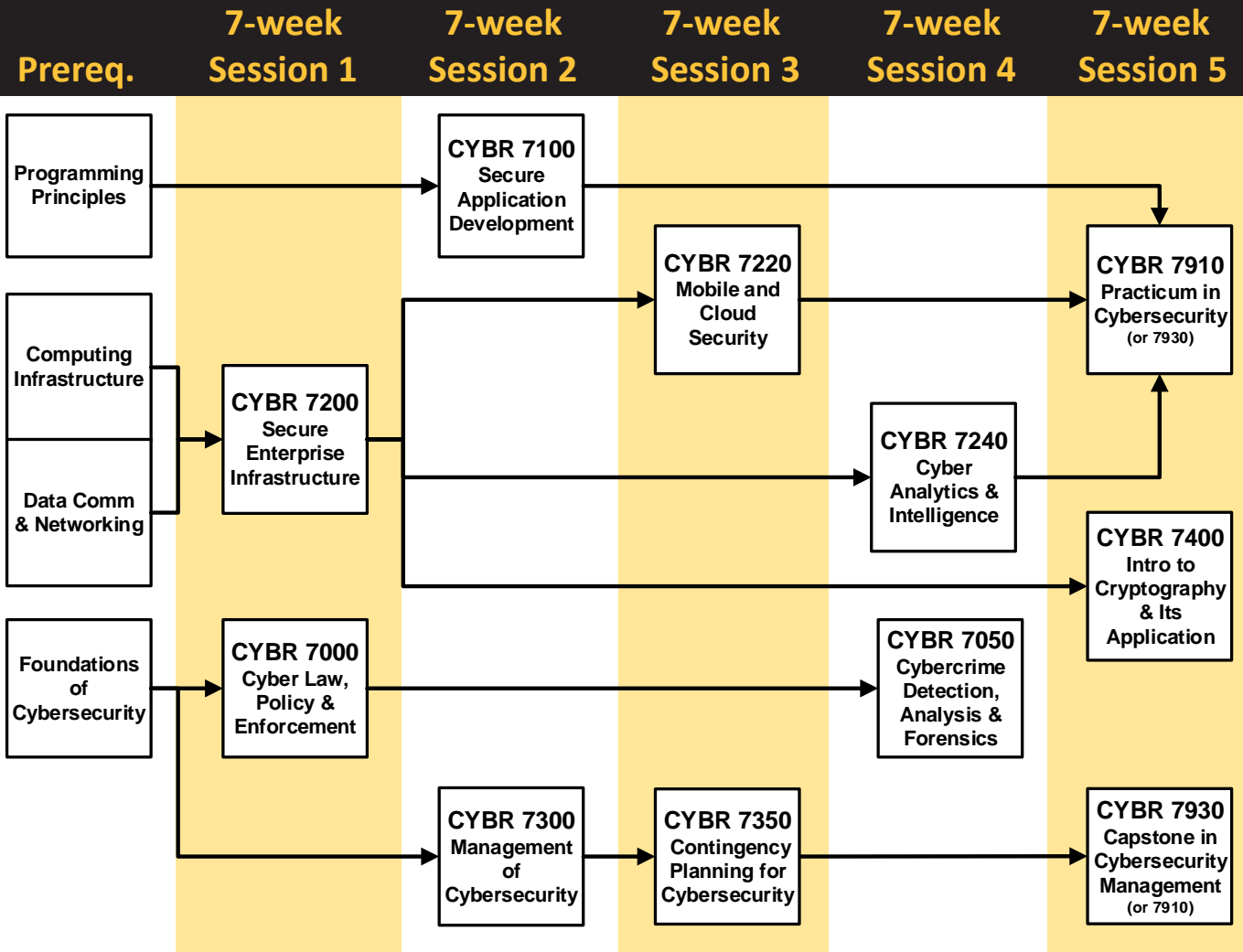| Prereq. | 7-week Session 1 | 7-week Session 2 | 7-week Session 3 | 7-week Session 4 | 7-week Session 5 |
|---|---|---|---|---|---|
| Programming Principles | | CYBR 7100 Secure Application Development | | | CYBR 7910 Practicum in Cybersecurity (or 7930) |
| Computing Infrastructure | CYBR 7200 Secure Enterprise Infrastructure | | CYBR 7220 Mobile and Cloud Security | CYBR 7240 Cyber Analytics & Intelligence | |
| Data Comm & Networking | | | | | CYBR 7400 Intro to Cryptography & Its Application |
| Foundations of Cybersecurity | CYBR 7000 Cyber Law, Policy & Enforcement | | | CYBR 7050 Cybercrime Detection, Analysis & Forensics | |
| | | CYBR 7300 Management of Cybersecurity | CYBR 7350 Contingency Planning for Cybersecurity | | CYBR 7930 Capstone in Cybersecurity Management (or 7910) |

Arrows indicate prerequisite structure. **Each course is taken in a 7 week session**.
Students are required to only take one capstone course: **Either** CYBR 7910 OR CYBR 7930.

The above is an example of a course sequence a student could undertake to complete the program in five consecutive sessions, based on projected course scheduling. Students may alter this sequence so long as the individual course prerequisites are met.

Graduate Online e-Tuition rate is $383 per credit hour.  Student fees are $205 per semester for students enrolled in 4 credit hours or less, and $355 per semester for students enrolled in 5 credit hours or more.

Apply online at https://graduate.kennesaw.edu/admissions/index.php.

*Students should see an advisor every semester to maintain progress toward graduation:*
**cyberinstitute.kennesaw.edu/graduate/advising.php or cyberinstitute@Kennesaw.edu**

**EFFECTIVE FALL 2021**

## DEGREE REQUIREMENTS

The Master of Science in Cybersecurity degree enhances career opportunities to supervise, design, develop, and operate a secure cyber environment. The program can be completed 100% online in 12 months by fully prepared applicants and employs a unique 7-week course structure allowing a student to complete four courses per fall and spring semester while only taking two courses at a time.

*Upon completion of the MS-Cybersecurity, students will be able to: strategize, design, develop, deploy, and lead cybersecurity efforts in the enterprise; prepare for, respond to, and recover from cybersecurity threats and incidents; manage cybersecurity risk to information assets; and select and apply appropriate tools and methodologies to solve real-world cyber problems.*

## Program Admission  (Application deadlines are July 1st for Fall and November 1st for Spring terms)

1. Meet all KSU Graduate College Admission Requirements
2. Resume/Vita required
3. Statement of purpose
4. Two letters of recommendation
5. Undergraduate degree from an accredited university
6. Minimum undergraduate degree GPA 2.75

Apply online at: https://graduate.kennesaw.edu/admissions/index.php

## Foundation Knowledge

Students who don't have previous coursework or professional certifications in cybersecurity/information security, programming, operating systems & architecture , and data communications & networking, may be required to remediate this knowledge prior to enrollment by taking a KSU CPE module or equivalent undergraduate course. The requirement of this remediation is based on the evaluation of applicants' undergraduate transcripts by the program.

*Programming Principles*                          *Computing Infrastructure*
*Foundations of Cybersecurity*              *Data Communications & Networking*

## Required Courses (30 Credit Hours; prerequisites in parentheses)

- CYBR 7000        Cyber Law, Policy, and Enforcement (CYBR 5300)
- CYBR 7050        Cybercrime Detection, Analysis, and Forensics (CYBR 7000)
- CYBR 7100        Secure Application Development (CYBR 5210)
- CYBR 7200        Securing Enterprise Infrastructure (CYBR 5220)
- CYBR 7220        Mobile and Cloud Security (CYBR 7200)
- CYBR 7240        Cyber Analytics & Intelligence (CYBR 7200)
- CYBR 7300        Management of Cybersecurity (CYBR 5300)
- CYBR 7350        Contingency Planning for Cybersecurity (CYBR 7300)
- CYBR 7400        Introduction to Cryptography and its Applications (CYBR 7200)
- CYBR 7910        Capstone in Cybersecurity Practicum (CYBR 7100, CYBR 7220 & CYBR 7240)
  **OR**
  CYBR 7930        Capstone in Cybersecurity Management (CYBR 7350)

## Program Total (30 Credit Hours)