

Master of Science Degree Cybersecurity – Online Modality (G710) Program Guide (eff. Fall 2025)

Program Information

The Master of Science in Cybersecurity will prepare students with the knowledge and skills needed to understand key issues along with present and emerging cyber threats to information systems, develop graduates with a sufficiently broad and strong technical foundation to understand and analyze cybersecurity vulnerabilities and protections, and prepare students for specialized cybersecurity careers.

Rowan University undergraduates majoring in the Bachelor of Arts in Computing and Informatics program may apply to the Advanced Dual Degree (4+1) program which allows them to earn both the Bachelor of Arts and Master of Science degrees in five years instead of six.

The online variant of this Masters degree will have more limited options than our face to face format as the number of online course offerings is less than the number of face to face options.

Program Requirements

The M.S. in Cybersecurity is a 30 credit-hour program. All students must complete 6 credits of foundation courses (2 courses) and 15 credits of core courses (6 courses). Students may complete this degree within 1 ½ to 2 years of study.

Foundation Courses – 6 s.h.

Course #	Course Name	Notes	Sem/Yr	Grade	Credits
CS 01501	Essentials of Computer Science I				3
CS 01502	Essentials of Computer Science II	Prereq CS 01501			3
					Subtotal: 6 s.h.

Required Core Courses – 15 s.h.

Course #	Course Name	Notes	Sem/Yr	Grade	Credits
CS 00500	Computer Science Graduate Seminar				3
CS 03500	Foundations of Cybersecurity				3
CS 03506	Cybersecurity Management, Policy, and Risk				3
CS 03570	Cyber Defense of Operating Systems	Prereq CS 01502			3
CS 09510	Computer Networks				3
CS 09612	Network Security	Prereq CS 09510			3
					Subtotal: 15 s.h.

Business Skills for IT Professionals – 6 s.h.

Students will be required to take one 3-credit course in strategic writing:

Course #	Course Name	Notes	Sem/Yr	Grade	Credits
MAPR 01547	Graduate Strategic Writing				3

Students must complete one elective course from the list below:

Course #	Course Name	Notes	Sem/Yr	Grade	Credits
MGT 06521	Leadership Theory and Practice				3
					Subtotal: 6 s.h.

Electives – 3 s.h.

Students must complete one elective course from the list below:

Course #	Course Name	Notes	Sem/Yr	Grade	Credits
CS 03551	Advanced Cybersecurity Principles and Applications				3
					Subtotal: 3 s.h.

Minimum Required Grades and Cumulative GPA

The Master of Science in Cybersecurity is a Category 3 program.

For details regarding satisfactory academic progress and graduation requirements, please visit www.rowanu.com/policies.