

# MASTER OF SCIENCE IN CYBERSECURITY (MS)

Gonzaga's online Master of Science in Cybersecurity equips you with the expertise to mitigate risk within an organization's computer systems.

Students will learn to look for threats, weaknesses and holes in software and computers systems while studying wired and wireless networks, software, hardware, operating systems, data collection and privacy.

Students in this program will gain deep knowledge in the structure of computer systems and become a strategic thinker who considers human behavior as a key player in any threat.

In many ways students will learn to think like a hacker for good, learning to detect data breaches before they happen and contain them if they do.

## Program Requirements

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
CPSC 553	Applied Cryptography (Fall A)	3
CPSC 548	Computer Security (Fall B)	3
<b>Hours</b>		<b>6</b>
<b>Spring</b>		
CPSC 532	Ethics for Advanced Computing (Spring A)	3
CPSC 547	Network Security (Spring B)	3
<b>Hours</b>		<b>6</b>
<b>Summer</b>		
CPSC 546	Operating Systems Security	3
<b>Hours</b>		<b>3</b>
<b>Second Year</b>		
<b>Fall</b>		
CPSC 541	Internet of Things (Fall A)	3
CPSC 523	Machine Learning for Cybersec (Fall B)	3
<b>Hours</b>		<b>6</b>
<b>Spring</b>		
CPSC 510	Intrusion Detection (Spring A)	3
CPSC 511	Off Security and Pen Testing (Spring B)	3
<b>Hours</b>		<b>6</b>
<b>Summer</b>		
CPSC 539	Risk Management and Incident Response	3
<b>Hours</b>		<b>3</b>
<b>Total Hours</b>		<b>30</b>