جامعة اليمامة
Al Yamamah University

College of Engineering

Master in Cybersecurity (MCS)

MCS Courses

MCS Foundation Courses

#	Course Code	Course Title	Credit
1	PRQ401	Comprehensive Cybersecurity - Foundations and Threats	3
2	PRQ402	Foundations of Computer Networking and Security	3
3	PRQ403	Operating Systems Concepts	3

* Students with no cybersecurity background may be asked to take one or more foundation courses.

MCS Core Courses

#	Course Code	Course Title	Credit
1	CYB511	Cybersecurity planning and management	3
2	CYB512	Digital forensics and incident management	3
3	CYB513	Information assurance architectures and standards	3
4	CYB514	Penetration testing and ethical hacking	3
5	CYB515	Vulnerability assessment	3
6	CYB516	Advanced cryptography	3
7	CYB530	Project - I	3
8	CYB531	Project - II	3

MCS Elective Courses

#	Course Code	Course Title	Credit
1	CYB520	Selected topics in cybersecurity	3
2	CYB521	Software security	3
3	CYB522	Cybersecurity policies and procedures	3
4	CYB523	Cloud security	3
5	CYB524	Security risk analysis	3
6	CYB525	Cybersecurity Design Principles	3