



Level 1							
Term 1				Term 2			
No	Code	Course	Credit	No	Code	Course	Credit
1	UMS111	Islamic Culture	2	1	C&N121	Cybersecurity and networks Fundamentals	3
2	UMS112	Arabic Language	2	2	C&N122	Introduction to Programming	3
3	UMS113	English Language (1)	3	3	Comm121	Discrete Mathematics	3
4	UMS114	Introd. to Computer science	3	4	UMS121	English Language (2)	3
5	EIT111	Calculus (1)	3	5	Comm122	Communication Skills	2
6	Comm111	Statistics and Probabilities	3	6	UMS122	Arabic-Israel conflict	2
7	UMS115	National Culture	2				
Level 2							
Term 1				Term 2			
No	Code	Course	Credit	No	Code	Course	Credit
1	C&N211	Database (1)	3	1	C&N221	Database (2)	3
2	C&N212	Operating Systems	3	2	C&N 222	Computer Networking Administration	3
3	Comp211	Computer architecture and organization	3	3	C&N223	TCP/IP	3
4	C&N213	Web Design	3	4	C&N224	Python programming	3
5	C&N214	Computer Networking Fundamentals	3	5	C&N225	Cryptography Theory	3
6	C&N215	Object Oriented Programming	3	6	C&N226	Web Development	3
Level 3							
Term 1				Term 2			
No	Code	Course	Credit	No	Code	Course	Credit
1	C&N311	Internet of Things	3	1	C&N321	Cloud computing	3
2	C&N312	E- Commerce	3	2	C&N322	Networks Security	3
3	C&N313	Wireless and Mobile Networks	3	3	C&N323	Cyber Forensics	3
4	C&N323	Networks programming	3	4	C&N324	Intrusion Detection and Intrusion Prevention	3
5	C&N315	Information security	3	5	C&N325	Human Computer Interactions	3
6	EC&N311	Research Methodologies	3	6	C&N326	Information Hiding	3
Level 4							
Term 1				Term 2			
No	Code	Course	Credit	No	Code	Course	Credit
1	C&N411	Web Security	3	1	C&N421	Ethical Hacking	3
2	C&N412	Elective (1)	3	2	C&N422	Elective (3)	3
3	C&N413	Elective (2)	3	3	C&N423	Elective (4)	3
4	C&N414	Professional and Ethical Issues	2	4	C&N424	Field Training	2
5	C&N415	Graduation Project (1)	3	5	C&N425	Graduation Project (2)	3

Elective Courses		
1. Artificial Intelligence	2. E- Commerce Security	3. Distributed Databases
4. Cyber Security Risk management	5. IoT Security	6. Enterprise Network Security
7. Cloud Computing Security	8. Wireless and mobile security	9. Mobile Computing
10. Servers and Technology	11. Virtualization	

Republic of Yemen
Ministry of higher Education & Scientific Research
University of Modern Sciences
Faculty of Engineering & Information Technology
Cyber security and Computer Network



الجمهورية اليمنية
وزارة التعليم العالي والبحث العلمي
جامعة العلوم الحديثة
كلية الهندسة وتكنولوجيا المعلومات
قسم الامن السيبراني وشبكات الحاسوب

عميد كلية الهندسة وتكنولوجيا المعلومات
د.نشوان الذبحاني

عميد كلية الهندسة وتكنولوجيا المعلومات
د.نشوان الذبحاني