

Inter-American University of Puerto Rico
Guayama Campus
Additional Location: Orlando Cyber Study Center

Curricular Sequence
Master of Science in Computer with Specialization in Network and Security (CODE 409D)

Requirements	Credits
Specialization	36
Prescribed Distributive	3
Total	39

First Year

First Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 5100	Network Analysis and Design	3	3.00	
CSNS 5121	Routing Technologies I	3	3.00	
Total		6		

Second Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 5110	Principles of Research	3	3.00	
CSNS 5131	Network Switching Technologies I	3	3.00	
Total		6		

Third Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 5222	Routing Technologies II	3	3.00	CSNS 5121
CSNS 6110	Security and Forensic Computing	3	3.00	
Total		6		

Second Year

First Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 5232	Network Switching Technologies II	3	3.00	CSNS 5131
CSNS 6100	Firewalls	3	3.00	
Total		6		

Second Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 6220	Hacker Detection Systems	3	3.00	CSNS 6100, CSNS 6110
CSNS 6230	Security Design in Networks	3	3.00	CSNS 5222, CSNS 6110
Total		6		

Third Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 6240	Assessment of Security in Networks	3	3.00	CSNS 6230
Prescribed Distributive Requirements: choose one (1) course				
CSNS 5220	Cryptography in Networks	3	3.00	
CSNS 6310	Network Troubleshooting Techniques	3	3.00	
CSNS 6320	Satellite Communications Systems	3	3.00	
Total		6		

Third Year

First Trimester				
Code	Course Title	Credits	Credit/Hours	Prerequisite
CSNS 6330	Research Project	3	3.00	CSNS 5110, CSNS 5221
Total		3		

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Must have passed the following courses or their equivalents:

- 1) Information and Computer Technology (GEIC-1010)
- 2) Data communication (COTN-1220)
- 3) Network Management I (COTN-2121)
- 4) Network Administration II (COTN-2122)
- 5) Analysis and Design of Computer Systems (COTN-3315)