



# Ana G. Mendez University Florida

## Master of Science with specialization in Telecommunications and Network Systems Administration 30 credits

The program provides students with an in-depth knowledge of the principles of Converged Networks including design, implementation, security and management with a strong hands-on approach.

Core / Professional Courses			
Course	Title	Credits	Prerequisites
TCOM 500	Applied Mathematics in Telecommunications (admission req.)	3	
TCOM 513	IT Project Management	3	Admission to program
TCOM 503	Introduction to TCP/IP	3	Admission to program
CYBR 501	Network Security I	3	
CYBR 502	Computer Security I	3	
TCOM 514	Telecommunications Governance I	3	
TCOM 606 or TCOM 609	Network Design Project or Thesis	3	Permission of Project Advisor
<b>TOTAL</b>		<b>21</b>	
Elective Courses (Select one of the tracks for 9 credits)			
Course	Title	Credits	Prerequisites
<b>Internet (9crs)</b>			
TCOM 511	Internet Technologies	3	TCOM 503
TCOM 512	Introduction to Networks	3	TCOM 511
TCOM 521	Networking Fundamentals	3	As required by advisor
TCOM 556	IP Tel & Design and Implementation of Voice Networks	3	TCOM 503
TCOM 523	Wireless Networks	3	TCOM 503
<b>Network Securities (9crs)</b>			
CYBR 521	Network Security II	3	CYBR 501
CYBR 522	Computer Security II	3	CYBR 502
CYBR 600	Cyber Security Forensics	3	CYBR 502
<b>Telecommunications Governance &amp; Auditing (9 crs)</b>			
TCOM 515	Telecommunications Governance II	3	TCOM 514
TCOM 522	Telecommunications Management and Policy	3	TCOM 513
TCOM 524	Technological & Scientific Innovation	3	
<b>TOTAL</b>		<b>9</b>	
<b>TOTAL CREDITS</b>		<b>30</b>	

**Notes:**

1. If enrolling in a bilingual program, please refer to AGMU Placement Protocol.