CERTIFICATE IN CYBER SECURITY TECHNOLOGIES

Certificate programs offer working professionals an opportunity to increase their knowledge and skills in the specific areas of information technology. A certificate representing proven academic performance is presented after the required coursework is completed with a GPA of 3.0/4.0. All 500-level courses may be later applied toward the Master of Information Technology and Management, Master of Cyber Forensics and Security, or Master of Science in Applied Cybersecurity and Digital Forensics for those who apply and are accepted to the degree program. Applicants should have a bachelor's degree from an accredited college or university; the degree need not be in an information technology or a computer-related field. Prerequisites may be required for some courses in certificates; these prerequisites will not be applied to the certificate.

This program is designed for students seeking knowledge that will prepare them for careers in computer and network security technologies and to deal with the challenging computer and network security problems facing society.

The prerequisite path is for this certificate is completion ofITMO 540 *Introduction to Data Networking and the Internet* and ITMO 556 *Introduction to Open Source Software* (Linux), orequivalentcoursework, training, or certification. Equivalent certification may be CompTIA Linux +, LPI Linux Essentials or LPIC-1, or Red Hat Certified System Administrator; and CompTIA Network+ or Cisco CCNA.

Curriculum

Code	Title		Credit Hours
Required Courses			**(12)**
ITMS 543	Vulnerability Analysis and Control		3
ITMS 548	Cyber Security Technologies		3
Select a minimum of two courses from the following:			6
ITMS 518	Coding Security	3	
ITMS 528	Database Security	3	
ITMS 538	Cyber Forensics	3	
ITMS 539	Steganography	3	
ITMS 549	Cyber Security Technologies: Projects & Advanced Methods	3	
ITMS 555	Mobile Device Forensics	3	
ITMS 558	Operating Systems Security	3	
Total Credit Hours			**12**