R·I·T Dubai

جامعة روتشستر للتكنولوجيا – نيويورك، أمريكا

Rochester Institute of Technology, NY, USA

AMONG THE TOP 100 U.S. UNIVERSITIES

MASTER OF SCIENCE IN NETWORKING AND SYSTEMS ADMINISTRATION

PROGRAM OVERVIEW

The MS in Networking and Systems Administration (NSA) is designed to provide both the knowledge and the technical skills needed to successfully compete in this exciting field. It addresses current and future issues and technologies in networking and systems administration through both theoretical and practical aspects.

The program explores organizational and technological issues including: enterprise scale networking, emerging network technologies, open source trends, LoRA, network processing, wireless, high performance computing, network programming, block chain, mobile ad hoc networking, cloud computing and security.

POSSIBLE CAREER OPTIONS

The program is intended to prepare technology leaders to assume leadership positions in both government and private organizations. It is available for full and part-time study in both a traditional on-campus setting as well as an online format. Alumni are working in positions such as Management Consultants, Software Engineers, Senior systems Administrators and Quantitative analysts, and CITs. Whether you want to pursue a PhD or progress in industry, the MS in NSA will help you reach your professional goals.

ACCREDITATION

The program is accredited by the UAE Ministry of Education - Higher Education Affairs and Scientific Research and is licensed by the KHDA. According to Princeton Review and U.S. News & World Report, RIT's master's degree programs are ranked among the best master's degree programs in the United States of America.

CURRICULUM

TYPICAL COURSE SEQUENCE

CONTACT US

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COURSE		
Core (Required) Course - 5 Courses, 15 Credits		
ISTE - 605	Scholarship in IST	3
NSSA - 602	Enterprise Computing	3
NSSA - 615	Advanced OOP for Networking and Systems Administration	3
NSSA - 620	Emerging Computing and Networking Technologies	3
NSSA - 714	Advanced Large Scale Computing	3
Electives - 3/4 Courses, 9/12 Credits (Thesis/Projects) (*Students are required to complete at least one theoretical course)		
NSSA - 610	Advanced Wire Networking Concepts*	3
NSSA - 611	Advanced Topics in Wireless Networks and Technologies*	3
NSSA - 612	Network Modeling & Analysis*	3
NSSA - 621	Design and Deployment of Wireless Networks	3
NSSA - 710	Network Management	3
NSSA - 712	Advanced Storage Technologies	3
NSSA - 713	Enterprise Service Provisioning*	3
NSSA - 715	Network Design and Performance	3
NSSA - 716	Enterprise Mobile Computing	3
ISTE - 721	Information Assurance Fundamentals	3
ISTE - 764	Project Management	3
CSEC-744	Network Security	3
Capstone (Thesis is 6 Credits. Project is 3 Credits and requires 1 more elective)		
NSSA - 790	MS Thesis	6
NSSA - 791	NSSA Project	3
Total Semester Credit Hours - 30		