



### PROGRAM OVERVIEW

Students in Computing and Information Technologies (CIT) program are characterized by their hands-on approach to technology. CIT students are not only designers and builders, but primarily enablers; they approach complex problems and create customized solutions that help users meet their goals.

They play an integral role in any modern organization, often working behind the scenes to deploy technologies where they are needed most. Not only do CIT students learn to implement complex systems, but they become well versed in their management as well.

That versatility is the core principle of the CIT degree. People are interacting with computers more than ever before and with that comes a need for professionals with the broad and practical skills necessary to facilitate those interactions across a variety of sectors. Every day, more businesses are realizing the benefits that IT professionals bring to the table.

A major hospital needs a stable web presence, CIT graduates can build it. A government agency needs a database developed to track disaster relief efforts, CIT graduates can design it. The possibilities are numerous and are growing every day.

The CIT degree allows students to embrace current and future computing technologies. CIT students are required to take six courses in a degree concentration to put them on a path to transform their passions into a career.

### POSSIBLE CAREER OPTIONS

The program is intended to prepare graduates to assume leadership positions in for-profit and not-for-profit organizations dealing with evolving computer and information technologies or to continue their education through the pursuit of advanced degrees.

### ACCREDITATION

The Bachelor of Science in Computing and Information Technologies program is accredited by the UAE Ministry of Education - Higher Education Affairs and is licensed by the KHDA.



**UNITED ARAB EMIRATES  
MINISTRY OF EDUCATION**  
HIGHER EDUCATION AFFAIRS

RIT NY has been designated an Academic Center of Excellence by the Department of Homeland Security, The Department of Defense and the National Security Agency, meaning you'll be graduating from one of the top U.S. universities in the field.



I came here because of the ability to get a US degree right here in Dubai. The professors are brilliant and approachable, always ready to mentor and support you.

I've learned a wide range of topics from programming to networking, with lots of hands on experience. The practical elements of courses have really help prepare me for my coop, and now I feel ready to take on the

**Jhealyn Samson**

### ICT FUND

RIT Dubai is a proud partner of the ICT Fund under the 'Betha' Scholarship program for Emirati students. Eligible applicants can apply for funding for the BS Computing and Information Technologies program.

Computing and Information Technologies - Bachelor of Science Degree, Typical Course Sequence

Course		Semester Credit Hrs.	Course		Semester Credit Hrs.
FIRST YEAR			THIRD YEAR		
ISTE - 190	Foundations of Modern Information Processing	3	ISTE - 260	Designing the User Experience	3
ISTE - 120	Computer Problem Solving: Information Domain I	4	ISTE - 430	Information Requirements Modeling	3
ANTH - 365	Islamic Culture	3		CIT Concentration Courses	9
MATH - 131	LAS Perspective 7A: Discrete Mathematics	4		LAS Perspective 5	4
	LAS Perspective 1	3		LAS Perspective 6	4
NSSA - 102	Computer Systems Concepts	3		LAS Immersion 1	3
MATH - 161	LAS Perspective 7B: Applied Calculus	4		Free Electives	6
COMM - 203	Effective Technical Communications	3		Cooperative Education (summer)	Co-op
ISTE - 121	Computer Problem Solving: Information Domain II	4			
UWRT 150	Writing Seminar	3			
	Year One: College Experienter	0			
SECOND YEAR			FOURTH YEAR		
NSSA - 241	Introduction to Routing and Switching	3	ISTE - 500, 501	Senior Development Project I (WI), II	6
NSSA - 220	Task Automation with Interpretive Languages	3		CIT Concentration Courses	9
ISTE - 230	Introduction to Database and Data Modeling	3		LAS Immersion 2, 3	6
NSSA - 221	System Administration	3		Free Electives	9
	LAS Perspective 2, 3, 4	9			
STAT - 145	Introduction to Statistics I	3			
ISTE - 140	Web and Mobile I	3			
ISTE - 240	Web and Mobile II	3			
ISTE - 99	Co-op prep course	0			
	Cooperative Education (summer)	Co-op			
Total Semester Credit Hours - 126					

CIT CONCENTRATIONS

RIT Dubai is offering advanced courses from Networking and Communications concentration in addition to a select courses from other concentrations such as Enterprise/Web Administration to meet the growing need of networking, communications, and cloud computing. Currently, the following advanced courses are offered:

- > NSSA-244 Virtualization

> NSSA-245 Network Services

> NSSA 242 Wireless Networking
- > NSSA 443 Network Design and Performance

> NSSA 341 VoIP & Unified Comm I

> NSSA 445 Sensor & Ad-Hoc Networks

COOPERATIVE EDUCATION (Internship)

By studying at RIT Dubai you'll undertake a 24 week, full-time, paid cooperative internship placement as part of your program. You'll spend time honing your skills in a professional environment - and as a Bachelor of Science student, you can choose the unique experience of conducting a placement abroad. Many students end up working for the company where they did their placement.