



كليات التقنية العليا
HIGHER COLLEGES OF TECHNOLOGY

HCT
2.0

HCT-COMPUTER INFORMATION SCIENCE PROGRAM OFFERINGS

2018 - 2019



HCT COMPUTER INFORMATION SCIENCE PROGRAMS

1. BACHELOR OF INFORMATION SYSTEMS (BUSINESS SOLUTIONS)
2. BACHELOR OF INFORMATION TECHNOLOGY (APPLICATIONS DEVELOPMENT)
3. BACHELOR OF INFORMATION TECHNOLOGY (NETWORKING)
4. BACHELOR OF INFORMATION TECHNOLOGY (INTERACTIVE MULTIMEDIA TECHNOLOGIES)
5. BACHELOR OF INFORMATION TECHNOLOGY (SECURITY AND FORENSICS)

ABOUT HCT



HISTORY

Founded in 1988 with four campuses, the Higher Colleges of Technology (HCT) has grown to be the UAE's largest applied higher educational institution, gaining a well-respected reputation for innovative and job-focused experiential learning.

Approximately 23,000 students attend 16 modern, technology-oriented men's and women's campuses in the cities of Abu Dhabi, Al Ain, Dubai, Fujairah, Madinat Zayed, Ras Al Khaimah, Ruwais and Sharjah. HCT offers a wide range of programs in the academic fields of Applied Media, Business, Computer Information Science, Education, Engineering Technology & Science, General Academic Requirements and Health Sciences.

These programs are all relevant to the UAE's fast growing economy and are designed in consultation with business and industry leaders to ensure that HCT students' skills are job-relevant and to the highest standards. The courses taught at the HCT campuses are a hybrid blend of innovative, academic studies and work-relevant programs, ensuring that HCT graduates have the necessary 21st century skills to make positive and lasting contributions to UAE society. All HCT programs are constantly monitored to ensure they are at the cutting-edge of industry standards and technological change.

VISION

The Higher Colleges of Technology is the leading applied higher education institution in empowering generations to contribute to the shaping of the future of the UAE.

MISSION

Provide applied higher education to equip generations with knowledge, skills and competencies that meet international standards and the future needs of the UAE industry and society.

VALUES



Creativity & Innovation



Accountability



Integrity



Excellence



Respect



Community Spirit



Service to Society



Program Duration:

Bachelor: 4 Academic years

Higher Diploma: 3 Academic years



INFORMATION SYSTEMS (BUSINESS SOLUTIONS)

WHY CHOOSE HCT'S BUSINESS SOLUTION PROGRAM?

Graduates can work in positions related to organizations' management of information systems and align information technology and business processes to address organizational needs of employers. They can also implement information systems solutions in a many local and international environments, and create, implement, and manage IT solutions to meet business challenges and requirements. Students can adapt to complex, evolving technological environments in workplaces, and apply ethical standards, and use various communication approaches.

KEY SKILLS:

- Develop strategies & solutions to business problems through use of principles and theoretical knowledge
- Awareness of business administration core functions (management, accounting, HR, finance)
- Employ analytical skills to formulate business solutions to manage and maintain organizations' information system
- Develop e-business applications for organizations' e-business strategies & infrastructure requirements
- Design suitable information systems, using Object Oriented techniques, including use cases and UML

ABOUT THE PROGRAM:



Learning facilities:

Classes, workshops, well-equipped studios and labs using state-of-the-art equipment



Requirements:

Minimum 135 credits
Info. System: 60 credits
Business Solution: 36 credits
4000 Elective: 6 credits
General Studies: 33 credits



Job opportunities:

Business Analysis & Project Management, IT Sourcing & Procurement, Consulting, System Architecture, IT Service Management



Average salary upon graduation:

20 – 30K AED



Program Duration:
Bachelor: 4 Academic years

Higher Diploma: 3 Academic years



INFORMATION TECHNOLOGY (APPLICATIONS DEVELOPMENT)

WHY CHOOSE HCT'S APPLICATIONS DEVELOPMENT PROGRAM?

Students are equipped with the knowledge and skills in current software development methodologies using state of the art tools. They are provided with the development skills required to create cutting edge applications on multiple platforms. As a result they can work on Integrated enterprise systems development, database technologies and mobile platforms, as well as design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs

KEY SKILLS:

- Demonstrate a critical awareness of a range of analysis, design and programming methods to solve complex business problems
- Develop secure desktop, web and mobile applications for multiple platforms using client-side and server side coding, and advanced database techniques
- Deploy applications for mobile devices using industry standard tools and practices for design, development and testing.

ABOUT THE PROGRAM:



Learning facilities:
Classes, workshops, well-equipped studios and labs using state-of-the-art equipment



Requirements:
Minimum 135 credits
IT: 60 credits
App Dev: 36 credits
4000 Elective: 6 credits
General Studies: 33 credits



Job opportunities:
Graduates of this program will be able to work as enterprise system developers, system architects, project managers, and mobile application developers.



Average salary upon graduation:
20 – 30K AED



Program Duration:
Bachelor: 4 Academic years

Higher Diploma: 3 Academic years



INFORMATION TECHNOLOGY (NETWORKING)

WHY CHOOSE HCT'S NETWORKING PROGRAM?

Students will design, configure, implement and troubleshoot converged Campus and Enterprise networks. The course provides knowledge and skills to work in all levels of Local and Enterprise networks, including cutting-edge technologies such as switched, wireless & mobile networks; LAN, WAN and core routing technologies; network security; and server administration.

KEY SKILLS:

- Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance, troubleshooting and implementing new technologies.
- Design network infrastructure by selecting appropriate devices, topologies, protocols, systems software, network services and security.
- Develop solutions for networking and security problems, balancing business concerns, technical issues and security

ABOUT THE PROGRAM:



Learning facilities:

Classes, workshops, well-equipped studios and labs using state-of-the-art equipment



Requirements:

Minimum 135 credits
IT: 60 credits
Networking: 36 credits
4000 Elective: 6 credits
General Studies: 33 credits



Job opportunities:

Graduates of this program will be able to work as network engineers, network architects, infrastructure designers, project managers, and consultants.



Average salary upon graduation:

20 – 30K AED



Program Duration:
Bachelor: 4 Academic years

Higher Diploma: 3 Academic years



INFORMATION TECHNOLOGY (INTERACTIVE MULTIMEDIA TECHNOLOGIES)

WHY CHOOSE HCT'S INTERACTIVE MULTIMEDIA TECHNOLOGIES PROGRAM?

Students gain professional skills built on a sound foundation in the fields of interactivity and multimedia powered by information technology. The course offers a hands-on approach, enabling students to become leaders and innovators in a new and interactive society based on interactive arts, multimedia, web & interface design, game design & development. Students also work on creative content development and communication through interaction, with the goal of seeking innovative ways of connecting individuals to ideas and information.

KEY SKILLS:

- Demonstrate a solid understanding of Interactive Multimedia Design principles.
- Employ technical skills proficiency with industry-standard tools to produce interactive multimedia products
- Apply industry best practices and techniques for planning, designing and producing interactive multimedia products

ABOUT THE PROGRAM:



Learning facilities:

Classes, workshops, well-equipped studios and labs using state-of-the-art equipment



Requirements:

Minimum 135 credits
IT: 60 credits
IMT: 36 credits
4000 Elective: 6 credits
General Studies: 33 credits



Job opportunities:

The program prepares students to work as 2D & 3D graphic artists, animation experts, interactive multimedia developers, game designers & developers, and simulation specialists.



Average salary upon graduation:

20 – 30K AED



Program Duration:
Bachelor: 4 Academic years

Higher Diploma: 3 Academic years



INFORMATION TECHNOLOGY (SECURITY AND FORENSICS)

WHY CHOOSE HCT'S SECURITY AND FORENSICS PROGRAM?

The program provides graduates with multiple skills and a strong foundation in the field of information security, as well as an awareness of technical and managerial skills for assessing risk, and securing information assets. Students will also be proficient in identifying and responding to attacks, as well as conducting forensic investigation and recovering from incidents and disasters.

KEY SKILLS:

- Critically consider relevant principles and theoretical knowledge to assess risk and develop policies and procedures to secure an organizational information system.
- Demonstrate the ability to identify security weaknesses using intrusion detection techniques and take corrective actions to secure information assets.
- Employ advanced skills to conduct forensic investigations in line with local and international law and standards.
- Deploy and manage secured client and server operating systems.

ABOUT THE PROGRAM:



Learning facilities:

Classes, workshops, well-equipped studios and labs using state-of-the-art equipment



Requirements:

Minimum 135 credits
IT: 60 credits
Security & Forensics: 36 credits
4000 Elective: 6 credits
General Studies: 33 credits



Job opportunities:

The program prepares students to work as: requirement security specialists; security practitioners, managers & consultants; forensic investigators and IT auditors.



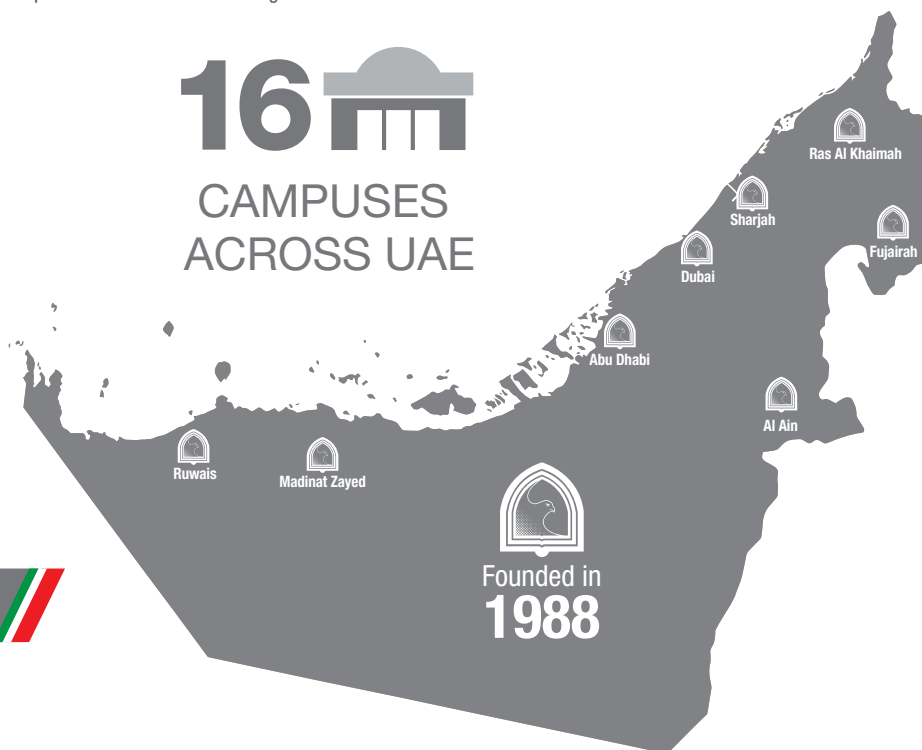
Average salary upon graduation:

20 – 30K AED

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CAMPUSES ACROSS UAE



For more information contact one
of the College admissions offices or:

Central Academic & Student Services Office
Registrar
Central Services
PO Box 25026 Abu Dhabi, UAE

Tel: +971 2 206 6666

Fax: +971 2 681 5833

Email: HCT.admission@hct.ac.ae, myHCTSupport@hct.ac.ae

Founded in
1988

ACADEMIC PROGRAMME / CONCENTRATIONS	OFFERED CAMPUSES															
COMPUTER INFORMATION SCIENCE DIVISION Bachelor of Information Technology Degree, Concentrations in:	AAM	AAW	ADM	ADW	DBM	DBW	FJM	FJW	MZM	MZW	RKM	RKW	RWM	RWW	SJM	SJW
Applications Development			✓	✓	✓	✓						✓				✓
Security and Forensics	✓	✓	✓	✓	✓						✓	✓			✓	✓
Interactive Multimedia Technologies		✓		✓								✓				
Networking	✓				✓	✓	✓				✓	✓			✓	✓
Business Solutions		✓	✓	✓		✓				✓	✓	✓	✓			



كليات التقنية العليا HIGHER COLLEGES OF TECHNOLOGY

خدمة المجتمع
Service to Society

الإبداع والابتكار
Creativity & Innovation

المساءلة
Accountability

النزاهة
Integrity

التميز
Excellence

روح الانتماء
Community Spirit

الاحترام
Respect

الرؤية Vision

كليات التقنية العليا رائدة التعليم العالي التطبيقي في تمكين الأجيال من المساهمة في صناعة مستقبل دولة الإمارات العربية المتحدة

الرسالة Mission

تلتزم كليات التقنية العليا بتوفير برامج التعليم العالي التطبيقي التي تزود الطلبة بالعلوم والمهارات والكفاءات وفق المعايير الدولية وبما يلبي احتياجات المجتمع وقطاعات الأعمال في دولة الإمارات العربية المتحدة

Provide applied higher education to equip generations with knowledge, skills and competencies that meet international standards and the future needs of the UAE industry and society.

