Why you should choose Computer Information Sciences at Harrisburg University...

1

Curriculum
M.S. Computer Information Sciences (CSMS) has a robust curriculum that reflects the latest trends and needs in the field of Computer Information Sciences. This ensures that students are learning relevant skills that will make them competitive in the job market.

2

Faculty Expertise
Professors and lecturers with industry experience and academic credentials provide valuable insights and mentorship to students.

3

High-Performance Computer (HPC) Lab
Access to state-of-the-art computer lab facilities enables students to work with cutting-edge technology. This experience is essential in understanding current industry standards and preparing for a career in the tech field.

4

Industry Connections
HU has connections with local industries and tech companies, providing opportunities for internships, co-op experiences, and job placement after graduation.

5

Diverse Student Community
HU has a diverse and inclusive student community that can enrich the learning experience by bringing different perspectives and ideas into the classroom.
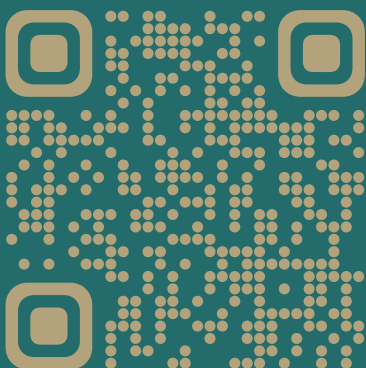
For more details on the program, check out our website at
https://www.harrisburgu.edu/about/locations/dubai/
or **Scan QR code**

For direct inquiries:
Write to **HUDubai@HarrisburgU.edu**
or Call: **+971 4 529 8935**

Harrisburg University of Science and Technology

Dubai Knowledge Park Block 19, First Floor
Dubai, United Arab Emirates

M.S. COMPUTER INFORMATION SCIENCES
PROGRAM

Did you know...

HU has a diverse student body of over 6,000 students from 102 countries.

HARRISBURG UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Harrisburg University of Science and Technology is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, Pennsylvania 19104, USA.

The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Harrisburg University of Science and Technology is approved by the Knowledge and Human Development Authority (KHDA) to operate in Dubai, UAE.

M.S. COMPUTER INFORMATION SCIENCES PROGRAM

The 36-semester-hour Master of Science degree in Computer Information Sciences provides a challenging opportunity of pursuing a versatile course of study reflecting the student's desire, background, and future responsibilities. A graduate of the program is able to integrate computational, interpersonal, and team skills, to secure professional employment or pursue a doctoral degree in the field.

The Master of Science degree in Computer Information Sciences provides the student with solid foundations of scientific and practical tools and methodologies for computation, its applications, and emerging trends, in a variety of subdomains. The student explores approaches including computing systems architecture, mathematical and data structures techniques for modeling simulation of complex systems; cluster computing and collaborative software development, and efficient methods for organizing, exploring, visualizing, processing, and analyzing very large data sets.

> " I like to say that learning is a journey that knows no end; embrace it with curiosity.

Abrar Qureshi, Ph.D.
Professor and Program Lead of Computer Science & Software Engineering

CISC graduates are able to:

- Recognize the necessity for conducting theoretical and empirical analysis;
- Master at least one knowledge area or sub-area from the body of knowledge to at least the Bloom Synthesis level;
- Adapt to rapidly changing technology, advanced learning, and entrepreneurship qualities;
- Have strong scientific communication skills;
- Possess excellent teamwork skills;
- Adhere to the ethical standards and moral obligations as a condition of their membership in the profession;
- Employ concepts that promote local and global systems for quality of life.

PROGRAM OVERVIEW
36 SEMESTER HOURS

PROGRAM REQUIREMENTS

15	15	6
SEMESTER HOURS	SEMESTER HOURS	SEMESTER HOURS
CORE COURSES	**ELECTIVES**	**EXPERIENTIAL LEARNING**

CORE CURRICULUM – 15 SEMESTER HOURS

CISC 520 – Data Engineering and Mining
CISC 525 – Big Data Architectures
CISC 530 – Computing Systems Architecture
CISC 603 – Theory of Computation
CISC 610 – Data Structures and Algorithms

SPECIALIZATION OPTIONS

3 specializations are available for MS. Computer Information Sciences students:

- Scientific Computing
- Software Engineering and Software Testing
- Cyber Security.

EXPERIENTIAL LEARNING

GRAD 695 – Research Methodology and Writing
GRAD 699 – Graduate Thesis **/ OR /** **CISC 699** – Applied Project in Computer Information Sciences