

## WHAT CAN YOU DO WITH A MASTER'S DEGREE IN COMPUTER INFORMATION SYSTEMS?

Demand for professionals with master's-level experience in CIS is high and growing exponentially. At UHCL, our program is designed to prepare students for the analysis, design, implementation, maintenance, operation and management of computer information systems in a number of key technical and managerial positions, including:

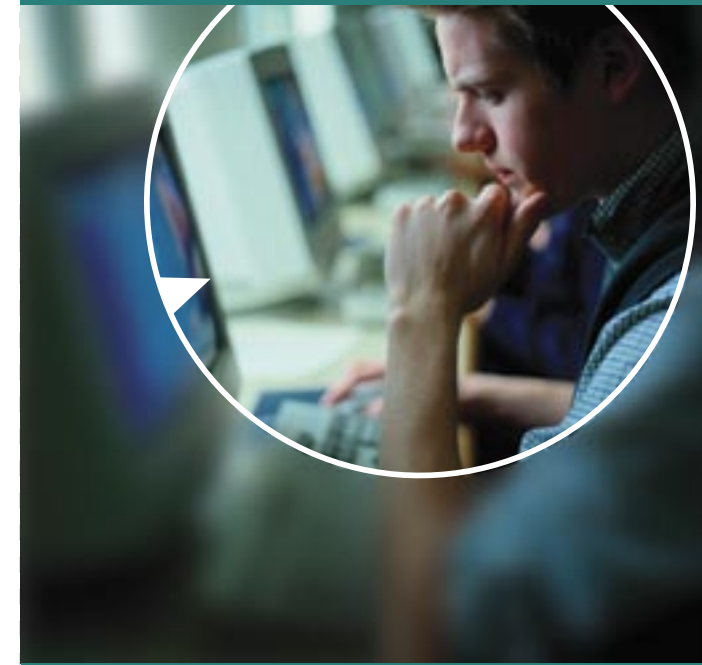
- Application Developer
- Systems, Database or Network Administrator
- IS Manager
- Software Engineer
- Project Leader
- Technical Staff
- Network/Telecommunications Specialist

Our program also provides a strong foundation for those interested in pursuing doctoral-level study in computing, engineering or business.



University  
of Houston  
Clear Lake

University of Houston-Clear Lake  
2700 Bay Area Blvd., Houston, TX 77058  
[www.uhcl.edu](http://www.uhcl.edu)



## DEGREES OF SUCCESS

### COMPUTER INFORMATION SYSTEMS

Master of Science

School of Science and Computer Engineering



University  
of Houston  
Clear Lake

*Accredited. Affordable. Accessible.*

“THE DIVERSE STUDENT POPULATION, PARTNERED WITH THE  
UNIQUE MIX OF PRACTICAL AND THEORETICAL COURSES DEVELOPED BY  
THE FACULTY, HELPED ME TO ACHIEVE MY PROFESSIONAL GOALS.”

### WHAT'S REQUIRED?

Applicants will have a bachelor's degree from an accredited university, usually in CIS, computer science, computer engineering or mathematics. Requirements for admission include proficiency in two high-level languages and completion of the following courses: Computer Organization and Assembly Language, Software Engineering, Digital Circuit and Lab, Discrete Mathematics, Calculus I, Data Structures, and Design of Database Systems.

To graduate, students must complete 36 semester hours of courses. They may select a six-hour thesis option or a three-hour capstone project.

### WHY UHCL?

UHCL offers low, in-state tuition, year-round enrollment and flexible schedules for working students, including many online and Saturday courses. Best of all, students receive personal attention from experienced, professionally active faculty in a small-class environment. Other advantages:

- In addition to over 20 full-time faculty members in computing and related fields, UHCL has many experienced adjunct instructors who bring real-world experience to the classroom.



**C H A N D E R S . P E C H E T T Y**

*Senior Software Engineer, GXS Corporation, Class of '98*

- The UHCL community boasts one of the highest concentrations of Ph.D.'s in the United States.
- The division has excellent computing resources, including 24-hour Windows, Linux and Solaris laboratories supporting the latest version of industrial strength software for databases, application servers, IDE, CASE tools, etc.
- The division has a long history of importing leading technologies, including Java, J2EE, Oracle, Windows and Unix system administration.
- UHCL has been successful in garnering many external and internal grants from organizations, such as the National Science Foundation.
- A limited number of financial-aid programs and graduate assistantships are available.

### WHAT COURSES ARE OFFERED?

Our curriculum combines strong core computing knowledge with practical technical experience. DBMS, Data Mining, XML, Internet Protocols, Computer and Network Security, Web Security and capstone projects supported by surrounding industries — these are a few of the courses offered. A complete course listing is available online at <http://www.uhcl.edu/catalog>.

### FACULTY

**Krishani Abeysekera, M.S.** Systems Administration, Graphics and Computer Security.

**Hisham Al-Mubaid, Ph.D.** Natural Language Processing, Operating Systems, Distributed Systems.

**Said Bettayeb, Ph.D.** Parallel and Distributed Computing, Graph and VLSI Algorithms.

**Gary D. Boetticher, Ph.D.** Software Metrics, Data Mining and Machine Learning, Bioinformatics.

**Sadegh Davari, Ph.D.** Operating Systems, Concurrent Programming, Real-time Systems and Computer Networks.

**Wei Ding, M.S.** Software Testing, Formal Method, System Safety.

**Terry Feagin, Ph.D.** Numerical Methods, Fault Isolation/Diagnostics, Expert Systems and Artificial Intelligence.

**Joseph C. Giarratano, Ph.D.** Expert Systems, Artificial Intelligence, Data Base Management Systems.

**Dan Kim, Ph.D.** Information Systems, Telecommunications, E-Commerce, Trust.

**Morris M. Liaw, Ph.D.** Web Database Systems, Object-Oriented Database Systems, Knowledge-based Systems, Distributed Information Systems.

**Alfredo Perez-Davila, Ph.D.** Operating Systems and Concurrency, Client-Server Distributed Programming, Distributed and Component-Based Systems.

**Sharon Perkins Hall, Ph.D.** Telecommunications and Networking, Operating Systems, Computer Science Education.

**T. Andrew Yang, Ph.D.** Computer Security, Mobile & Wireless Computing, Network Security, Performance and Development of Computing Systems, Sensor Networks.

**Kwok-Bun Yue, Ph.D.** Internet Computing, Databases, Concurrent Programming, Computer Science Education.

### APPLY NOW

With part-time options, conveniently scheduled classes, satellite locations, and online courses, the University of Houston-Clear Lake offers students a broad range of learning and career opportunities. Since 1974, UHCL has awarded degrees to more than 38,000 students from the state, nation and abroad. That's 38,000 transformed lives. Transform yours.

**For admissions information, contact the UHCL Office of Admissions at 281-283-2520. For additional information about the graduate program in CIS, call the Office of Academic Advising at 281-283-3700 or [sceadvising@uhcl.edu](mailto:sceadvising@uhcl.edu).**

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