

### CERTIFICATE IN

### Human-Computer Interaction

Building on a base of experience and expertise, the Department of Language, Literature, and Communication is proud to offer a graduate level Certificate in Human-Computer Interaction (HCI) for working professionals. As the computer industry has matured, the number of software and hardware products has greatly increased and the release time has shortened considerably. These trends have extended computer use beyond a small cadre of specialists to much of the public, and from a small number of calculation-intensive operations to a wide range of computer and communication tasks.

This program, designed in cooperation with industry experts, provides those involved in the design of human-computer interactions with the knowledge and skills they will need to create new and better ways for people to communicate with and through computers. The certificate, comprised of four graduate courses, provides an overview of HCI usability, in-depth work in electronic coaching systems, communication design for the World Wide Web, and a capstone design experience.

#### ADMISSION REQUIREMENTS

- Bachelor of Science degree in an applicable area from an accredited undergraduate institution
- Cumulative GPA 3.0 minimum
- Prerequisite requirements for all certificate courses
- Completed application form (requesting non-matriculated status)
- Official transcripts for all undergraduate and graduate work
- TOEFL required for all international students
- Brief statement of background and goals as it applies to the program

#### CREDENTIALS EARNED

- 12 Rensselaer graduate credits
- Certificate in Human-Computer Interaction

#### CERTIFICATE COMPLETION REQUIREMENTS

- Status as a matriculated or non-matriculated Rensselaer student
- Completion of all four courses with a grade of "B" or better

#### PLAN OF STUDY

1. COMM-6420 Foundations of HCI Usability
2. COMM-6750 Communication Design for the World Wide Web
3. COMM-6760 Electronic Coaching Systems
4. COMM-6810 Studio Design in HCI