



**SCHOOL OF SCIENCE AND COMPUTER ENGINEERING  
BACHELOR OF SCIENCE IN COMPUTER INFORMATION SYSTEMS  
2005-2006 CATALOG**

**GENERAL DEGREE REQUIREMENTS**

- \* A total of 132 semester hours of applicable college credit. A maximum of three hours of lower-level "activities" courses may be applied toward graduation. No more than 18 semester hours of previously earned lower-level credit may have been taken by correspondence, extension or CLEP.
- \* At least 54 semester hours of upper-level work. Correspondence, extension or CLEP credit cannot be used to fulfill this requirement.
- \* At least 30 hours of the degree plan, including 12 hours in the major, must be taken in residence at UHCL.
- \* A cumulative GPA of 2.000 on course work completed at UHCL with grades of "C" or better on at least 30 hours of resident upper-level work. Grades of "C-" and below cannot be applied toward the 30 hours of resident upper-level work.
- \* Remain continuously enrolled (complete at least one course in a 12 month period) or meet requirements of a later catalog.
- \* Complete the degree within seven years or meet requirements of a later catalog.

**COMPUTER INFORMATION SYSTEMS ADMISSION REQUIREMENTS**

All applicants to this program must have a cumulative GPA of 2.500 or better in lower-level or transfer courses. Students with a GPA of less than 2.500 should provide a written statement or additional materials to the admission committee to assist the committee in determining the student's potential for success in upper-level courses.

**CIS PLAN CORE REQUIREMENTS (44 hours)**

All plan core courses require a grade of "C-" or better. Lower level credit given for any of the following courses may require students to take additional approved technical electives to satisfy program requirements.

CENG 3132/3112 – Digital Circuits & Lab	4 hrs	CENG 3331/3311 – Intro to Telecom & Networks & Lab	4 hrs
CINF 4230 – Web Application Development	3 hrs	CINF 3231 – Info. Systems Theory & Practice	3 hrs
CINF 4234 – Software Modeling & Design Patterns	3 hrs	CINF 4634 – Computer Systems Administration	3 hrs
CSCI 3333 – Data Structures	3 hrs	CINF 4838 – Senior Projects in Computer Info Sys	3 hrs
CSCI 3134 – Programming with JAVA	3 hrs	DSCI 3131 – Quantitative Methods for Management	3 hrs
CSCI 3331 – Computer Organization and Assembly Lang	3 hrs	MATH 3331 – Discrete Math	3 hrs
CSCI 4333 – Design of Database Systems	3 hrs	SWEN 4432 – Software Engineering	3 hrs

**REQUIRED TECHNICAL ELECTIVES (15 hours)** – Specific courses will be selected by student with approval of faculty adviser.

Choose from CINF/CSCI courses	3 hrs
Approved Business elective	3hrs
CINF/CSCI/CENG/SWEN courses	6 hrs
One communications course selected from the following:	3 hrs
COMM 3132 – Written Communications in Business	
COMM 4233 – Speech Communication: Theory and Practice	

The balance of required hours may consist of approved electives.

\*See Footnote "i" on front page regarding prerequisites for upper-level SBPA courses.

**TELECOMMUNICATIONS SUPPORT AREA – OPTIONAL**

Students interested in developing a support area in telecommunications should consider the following as electives:

CINF 4031 – Telecom Systems Operation	CENG 4231 – Telecom Switching Systems
CENG 4131 – Telecom Net Devices	CSCI 4132 – Network Protocols

**ADDITIONAL COURSES NECESSARY TO MEET UPPER-LEVEL REQUIREMENT OR TO MEET MINIMUM REQUIRED HOURS FOR GRADUATION: \_\_\_\_\_**

School of Science and Computer Engineering Advising Office (281) 283-3711, Bayou Bldg., Room 3611

**Advisors: Barbara Coleman and Dorothy Hogg**

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