

UNIVERSITY-REQUIRED TRANSFER COURSES  
Computer Information Systems

Bachelor of Science at UHCL

2009-2010 2+2 Transfer Plan to University of Houston-Clear Lake

FOOTNOTE	CORE CURRICULUM REQUIREMENTS*	HRS	CODE	FOOTNOTE	ADDITIONAL FOUNDATION REQUIREMENTS	HRS
a	ENGL 1301 Composition I	3	10			
a, #	ENGL 2311 Technical Writing (preferred) - or - ENGL 1302 Composition II	3	10	c, #	MATH 1325 Business Calculus - or - MATH 2413 Calculus I (4 hrs)	3
b	Speech Communication**	3	11	c, #	Pascal** or Visual Basic Programming**	3
c	MATH 1314 College Algebra (or higher Math)	3	20	#	BMGT 1303 Principles of Management**	3
d	Natural Science**	3	30	i, #	ACCT 2301 Accounting Principles I	3
d	Natural Science**	3	30	i, #	ACCT 2302 Accounting Principles II - or -	3
e	Humanities**	3	40	#	ECON 2302 Microeconomics	
f	Visual & Performing Arts **	3	50	#	MATH 1342 Statistics**	3
g	HIST 1301 American History I**	3	60			18
g	HIST 1302 American History II** - or - HIST 2301, 2302 or 2303 Texas History	3	60			
g	GOVT 2301 Texas and U.S. Constitutions	3	70			
g	GOVT 2302 Texas and U.S. Institutions	3	70			
h	Social Science must be ECON 2301 Macroeconomics	3	80			
c, #	Computer Competency (Intro Programming recommended)	3	90			
		42*			Total transfer credit hours	60

EXPLANATION OF FOOTNOTES

- \* UHCL's requirements are consistent with the 42-hour Texas core curriculum. If a student completes components of the core at one Texas institution, those courses will substitute for UHCL's same core components. If a student is core complete at any Texas Institution the student is also core complete at UHCL, however, foundation (#) courses are still required. The Core Code is used by Texas schools to identify which area of the 42-hour core curriculum a course fulfills.
- \*\* These courses may be fulfilled by approved upper-level equivalents at UHCL.
- # These courses are included in the Program Foundation Core and must be completed with a grade of "C-" or better.
- a Admission to UHCL requires **prior** completion of six hours of English Composition/Writing classes with grade of "C-" or better. *ENGL 1301 Composition I* (3 hrs) is an admission requirement for all UHCL applicants. *ENGL 2311 Technical Writing (3 hrs)*, a program foundation course, will satisfy the second (3 hr) English entrance requirement for UHCL Science and Computer Engineering majors if taken at the transfer institution **prior** to admission. If an applicant takes *ENGL 1302 Composition II* instead of Technical Writing, UHCL entrance requirements are satisfied, but *Technical Writing* must also be completed before graduation.
- b Suggested courses for Speech/Communication include any SPCH course. At some transfer institutions, foreign languages may also fulfill state core Speech requirements.
- c Transfer institutions may require one or more prerequisites for these required program foundation courses, depending on the individual student's high school preparation and test scores. Students are advised to take all prerequisites required for them by their particular transfer institution. Non-remedial prerequisite courses will be transferred as lower-level electives, as needed.
- d Suggested courses for Natural Science include any ASTR, BIOL, CHEM, ESCI, GEOL or PHYS course.
- e Suggested courses for Humanities include any ENGL literature, HUMA, PHIL, RELI, or sophomore-level foreign language course – also any SPCH or HIST taken in addition to core requirements.
- f Suggested courses for Visual & Performing Arts include: any ARTS, DANC, DRAM, MUSI, or MUAP course. Three semester credit hours required.
- g Six hours of U.S. History required; three hours may be in Texas History. Six hours of U.S. Government are required and three of the six hours must, by state law, include Texas Constitutional Government.
- h Suggested courses for Social & Behavioral Science include: any ANTH, ECON, GEOG, PSYC, or SOCI course - also any GOVT, HIST, or POLS course taken in addition to core requirements.
- i ACNT 1303 Introduction to Accounting I and ACNT 1304 Introduction to Accounting II may satisfy Accounting course requirements for this program, however, they are not acceptable for Business majors.



University  
of Houston  
Clear Lake

2700 Bay Area Blvd.  
Houston, TX 77058  
[www.UHCL.edu](http://www.UHCL.edu)

# Bachelor of Science in Computer Information Systems

2009-2010 Catalog

## GENERAL DEGREE REQUIREMENTS

- 120 semester hours of applicable college credit are required for the Bachelor of Science degrees. A maximum of three hours of lower-level "activities" credits may apply toward graduation. If approved, up to 18 hours of lower-level correspondence, extension or CLEP credit may apply as lower level credit toward graduation in accordance with catalog rules.
- At least 30 hours of the degree plan, including at least 12 hours in the major, must be completed in residence at UHCL. At least 60 hours must be upper-level.
- A cumulative GPA of at least 2.000 must be maintained for course work completed at UHCL, with grades of "C" or better in at least 30 hours of UHCL classes.
- Students must remain continuously enrolled (complete at least one course in a 12 month period) or meet the requirements of a later catalog.
- Students must 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.

## BASIC REQUIREMENTS

For the degree being pursued, program requirements listed on the transfer plan section of this document and indicated by the #sign should be completed with grades of "C-" or better before beginning the upper level program and finalizing a Candidate Plan of Study. All program core requirements must be completed with a grade of "C-" or better.

## BACHELOR OF SCIENCE IN COMPUTER INFORMATION SYSTEMS - UHCL DEGREE REQUIREMENTS (60 HRS)

### CORE REQUIREMENTS (42 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.

CSCI 3133	Computer Programming with C	3 hrs	CINF 3231	Info. Systems Theory & Practice	3 hrs
CSCI 3134	Software Development with JAVA	3 hrs	CINF 3331	Business Data Communications	3 hrs
CSCI 3331	Computer Org & Assembly Lang.	3 hrs	CINF 4230	Web Application Development	3 hrs
CSCI 3333	Data Structures	3 hrs	CINF 4234	Modern System Analysis & Design	3 hrs
CSCI 4333	Design of Database Systems	3 hrs	CINF 4634	Computer Systems Administration	3 hrs
DSCI 3131	Quantitative Methods for Management	3 hrs	CINF 4838	Senior Projects in Computer Info Sys	3 hrs
MATH 3331	Discrete Math	3 hrs			
SWEN 4432	Software Engineering	3 hrs			

### REQUIRED TECHNICAL ELECTIVES (18 HOURS)

Designated Elective	Business Electives*	6 hrs
Designated Elective	CINF/CSCI/CENG/SWEN Elective**	6 hrs
Designated Elective	<b>One</b> communications course. Select either: WRIT 3132 Written Comm in Business - or - COMM 4233 Speech Communication	3 hrs
Designated Elective	CSCI/CINF Elective - or WRIT 3135 (if not taken as ENGL 2311)	3 hrs

All elective choices require prior approval of the faculty advisor.

\*Business electives are selected from the School of Business course roster (excluding ISAM courses). Most business courses have specific prerequisites and will require at least completion of program foundation business courses. Check with the business course instructor if you are not sure you have the prerequisites for a business class.

\*\* Students interested in developing a support area should consider one of the following sub-plans as electives:

Telecommunications Sub-Plan: CENG 4231 Telecom Switching Systems, CENG 4131 Telecom Net Devices, and/or CSCI 4132 Network Protocols.

Web Application/E-Commerce Sub-Plan: CSCI 4135 Adv Sftwr Dev w/.Net & C#, CINF 4334 Electronic Commerce

Computer Systems/Security Sub-Plan: CSCI 4134 Adv Sftwr Dev w/Java, CSCI 4534 Operating Systems, CINF/CSCI 4233 Computer Security, CSCI 4132 Network Protocols

School of Science and Computer Engineering Advising Office

281-283-3711, Bayou Bldg., Room 3611

• [sceadvising@uhcl.edu](mailto:sceadvising@uhcl.edu) • [www.uhcl.edu/sce/advising](http://www.uhcl.edu/sce/advising)