

COLLEGE OF ENGINEERING
Engineering in Sugar Land
Bachelor of Science, Computer Information Systems
Four-Year Academic Map 2026-2027

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3	
	MATH 1324	Finite Math W/ Apps	3	MATH 2413	Calculus I	4	
	MATH 1342	Elementary Statistical Methods	3	ACCT 2301	Principles of Financial Account	3	
	CORE	Life & Physical Sciences	3	CORE	Life & Physical Sciences	3	
	CORE	Creative Arts	3	ECON 2302/01	Princ of Micro or Macro Economics	3	
	Semester Hours			15	Semester Hours		16
YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	*CIS 1348	Info Sys Application Development	3	*CIS 1376	User Experience (UX) Principles	3	
	*CIS 2334	Information Systems Applications	3	*CIS 2336	Web Application Development	3	
	*CIS 2337	Fundamentals of Info Security	3	*CIS 2347	Info Sys Infra. & Networking	3	
	ACCT 2302	Principles of Managerial Account	3	CORE	Language, Philosophy & Culture	3	
	CORE	American History	3	CORE	American History	3	
	Semester Hours			15	Semester Hours		15
YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	*CIS 3343	Info Sys Analysis & Design	3	*CIS 3330	Information Systems in Orgs	3	
	*CIS 2368	Adv Information Sys Develop		*CIS 3339	Enterprise Application Develop	3	
	*CIS 3320	Information Visualization	3	Appr. Elective	CIS Technical Electives on dot.egr.uh.edu	3	
	*TLIM 3363	Technical Communication	3	*TLIM 3340	Org Leadership & Supervision	3	
	GOVT 2305	US Government	3	GOVT 2306	US & Texas Constitution & Politics	3	
	Semester Hours			15	Semester Hours		15
YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	*CIS 4355	Information Systems Operations	3	*CIS 4375	Project Management & Practice	3	
	*CIS 4365	Database Management	3	Appr. Elective	CIS Technical Electives on dot.egr.uh.edu	3	
	*CIS 4374	Information Systems Project Mgt	3	*TLIM 3360	Law & Ethics in Tech & Innovation	3	
	*TLIM 4341	Production & Service Operations	3	*TLIM 4342	Quality Systems	3	
	Appr. Elective	CIS Technical Electives on dot.egr.uh.edu	3	Appr. Elective	CIS Technical Electives on dot.egr.uh.edu	3	
	Semester Hours			15	Semester Hours		15
						121	

Courses in Bold are important prerequisites and should be taken as early as students are able.
****Courses offered at Sugar Land campus.***
Students should meet with their academic advisor to formulate their own plan.