University of Texas - Pan American College of Science and Engineering
Department of Computer Science
Degree Plan
BSCS Computer Science Broad-Field Major
Catalogs 2011-2013
Program Accredited by CAC/ABET

Name _____   SID# _____

Last   First   (Mr.,Mrs.,Ms.)

Address _____   Advisor: _____

Street   Town

EMAIL _____   Phone _____

Date Entered UTPA _____   Catalog **2011-2013**   Degree **BSCS Computer Science**

NOTE: * indicates advanced hours. A minimum of 51 advanced hours are required.

General Education CORE REQUIREMENTS (43 HOURS)

Check catalog for approved list. Must include ENG 1301, ENG 1302, and MATH 1340 or higher with a grade of C or better in each.

Proficiency in a language other than English will be required. See below for meeting this requirement.

UC/GE: 43 hours	Hours	Grade
ENG 1301 or 1387	3	
ENG 1302 or 1388	3	
ENG/ Lit.	3	
HIST 2313, 2333 or 2387	3	
HIST 2314 or 2388	3	
POLS 2313 or 2387	3	
POLS 2314 or 2388	3	
MATH 1340 or 1450 or (See below)[2]	3	
CSCI OR CIS or See Major [1]	2	

The language (non-English) proficiency requirement equivalent will be 6 semester credit hours [Achieved by completing 6 hrs of language other than English or 6 hrs credit by exam] or TOEFL for International Students

GE Core/Lang. Proficiency hrs. completed to date: _____

UC/GE: (continued)	Hours	Grade
8 hrs. BIOL, CHEM, PHYS Must be taken from same science		
	4	
	4	
3 hrs Art, Music, Dance or Theatre		
	3	
3 hrs PHIL or Modern LANG. LIT.		
PHIL 2393 or 2390	3	
3 hrs from ANTH, ECO, PSY, SOC. OR CRIJ		
	3	
List Language Courses	3	
List Language Courses	3	

GE Core/Lang. Proficiency to be completed: _____

MAJOR: Computer Science 47 hrs. (33 adv)

CSCI Core: grade of C or better		Hours	Grade
CSCI 1101	Intro to Computer Sci.	1	
CSCI 1370[1]	CS I	3	
CSCI 1170	CS I Lab	1	
CSCI 2333	Comp Org & Assem	3	
CSCI 2380	CS II	3	
CSCI 2344	Prog in Unix	3	
CSCI 3333	Alg & Data Structures	3*	
CSCI 3334	Systems Prog	3*	
CSCI 3336	Org of Prog Lang	3*	
CSCI 3340	Software Engr I	3*	
CSCI 4325	Automata, Formal Lang	3*	
CSCI 4390	Senior Project	3*	

Other CSCI Requirements

Select: 3 hrs. from Programming Language courses

	Hours	Grade
CSCI 3326 Java, 3327 VB	3*	

Select: 6 hrs. from CSCI 4333, 4334, 4335, 4345

		Hours	Grade
CSCI	DB, OS, Arch, NW	3*	
CSCI	DB, OS, Arch, NW	3*	

Select 6 adv hrs excluding Programming Language Courses

	Hours	Grade
CSCI	3*	
CSCI	3*	

OTHER REQUIREMENTS:

Oral and Written Communication 6 hrs. (3 adv)	Hours	Grade
COMM 1303 or 1313	3	
ENG 3333	3*	

MATH / ENGINEERING: 21 hrs. (6 - 9 adv)	Hours	Grade
MATH 1460[2] Calculus I	4	
MATH 1470 Calculus II	4	
MATH 3345 or 2345 Linear Alg.	3* or 3	
MATH 3373 Discrete Structures	3*	
MATH 4339 or ELEE 3340 or MATH 3337 Probability& Statistics	3*	
ELEE 2130	1	
ELEE 2330	3	

LAB SCI: (BIOL, CHEM, or PHYS) 4 hrs	Hours	Grade
	4	

Other Required Electives: (6 - 9 hrs)3	Hours	Grade
Adv	3*	
Adv	3*	
Adv	3*	

Grand Total Hours completed to date: _____   Grand Total Hours yet to complete: _____

Total Advanced hours: (51 minimum) _____   Total Degree Hours (125 minimum) _____

Remarks: 1. CSCI 1370 fulfills 2 hr of Computer Literacy Core Requirement. Must enroll in CSCI 1170 concurrently with CSCI 1370 2. MATH 1460 fulfills 3 hrs of Math Core requirement. 3. 6-9 hrs advanced electives required to complete a total of 51 advanced hours.

Approved by: _____

UNDERGRADUATE COORDINATOR   DATE   DEAN OR ASSOCIATE DEAN   DATE