

Texas A&M University
College of Engineering
Department of Computer Science

Undergraduate Degree Plan in **COMPUTER SCIENCE (CPSC)**

Valid for Catalog: 130

NEW () REVISED () Expected Graduation Date _____

Student ID No. _____ Student Name _____ Date _____

Student's Local address AND e-mail address _____ Local Phone _____

Permanent Address _____ Phone _____

COMPUTER SCIENCE			MATH & STAT		
CPSC	181	-1 ³	MATH	151	-4 ³
	121	-4 ³		152	-4 ³
	221	-4 ³		251	-3
				302	-3
	312	-4			
	313	-4			
	314	-3			
	315	-3			
	481	-1 ²			
	482	-3			

MATH	304 or 308	-3
STAT	211	-3

SCIENCE	_____	-4 ³
	_____	-4 ³
	_____	-4
	_____	-4

TECHNICAL ELECTIVE

7 COURSES FROM
 UPPER LEVEL TRACK -21
 (MARK ON NEXT
 PAGE)

SUPPORTING AREA
 (12 Hrs. Required)

_____	-3
_____	-3
_____	-3
_____	-3

CITIZENSHIP COURSES

HIST	_____	-3
HIST	_____	-3
POLS	206	-3
POLS	207	-3

GENERAL ELECTIVE

_____	-3
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HUMANITIES

ENGR/PHIL	482	-3
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**VISUAL & PERFORMING ARTS
 ELECTIVE**

_____	-3
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**SOCIAL SCIENCE
 ELECTIVE**

_____	-3
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DIVERSITY COURSES

Cultural	_____	-3 ⁴
International	_____	-3 ⁴

ENGL, COMM & WRITING

ENGL	104	-3 ³
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ENGL (210 or 301) OR
 COMM (203 or 205) -3

PHYSICAL EDUCATION

KINE	198	-1 ⁵
KINE	199	-1 ⁵

TOTAL HOURS 128

Notes:

1. Courses inside box must be completed with grade of C or better
2. CPSC 481 should be taken prior to student's last semester
3. Grade average for CBK courses must be 2.75 or higher for upper level
4. Courses taken for diversity credit may be courses taken to meet another requirement
5. KINE 199 must be taken S/U. KINE 198 may be taken S/U.
6. ENGR 482 beginning Fall '04 will satisfy the writing course requirement for this degree. Transfer courses must be approved.

Student
 5/1/07

Undergraduate Advisor

CPSC Upper Level Track

Track 1: Algorithms and Theory

- CPSC 411 _____ Analysis of Algorithms
- CPSC 433 _____ Formal Languages and Automata
- CPSC 440 _____ Quantum algorithms
- CPSC 442 _____ Scientific Programming

Track 2: Systems

- CPSC 410 _____ Operating Systems
- CPSC 421 _____ Computer Architecture
- CPSC 456 _____ Real-Time Computing
- CPSC 462 _____ Microcomputer Systems
- CPSC 463 _____ Networks & Distributed Programming
- CPSC 469 _____ Advanced Computer Architecture

Track 3: Software

- CPSC 431 _____ Software Engineering
- CPSC 432 _____ Programming Language Design
- CPSC 434 _____ Compiler Design
- CPSC 437 _____ Engineering Software Products
- CPSC 438 _____ Distributed Objects Programming

Track 4: Information and intelligent Systems

- CPSC 409 _____ Database Systems
- CPSC 420 _____ Artificial Intelligence
- CPSC 436 _____ Computer-Human Interaction
- CPSC 441 _____ Computer Graphics
- CPSC 444 _____ Structures of Interactive Information
- CPSC 452 _____ Robotics and Spatial Intelligence
- CPSC 470 _____ Information Storage and Retrieval

Notes:

- Students must take seven courses from the list above.
- At least one course from each track must be taken.
- At least three courses from one track (of the student's choosing) must be taken.
- CPSC 411 Analysis of Algorithms is required (and counts as one of the courses from the Algorithms and Theory track).
- The seventh course can be from any track.
- Prerequisites will still prevail (for instance, if a student wants to take 462, s/he must have already taken or be taking 410),
- Approved special topics course (CPSC 489) and graduate courses may be used to fulfill these requirements; each such course will be classified with respect to the tracks; see advisor.