

Department of Computer Science and Engineering
Dwight Look College of Engineering
Texas A&M University

Computer Science (CPSC)
Catalog 137, 2014-15

FRESHMAN YEAR

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
CSCE 121 Intro. Prog. Design and Concepts	(3-2)	4	CSCE 221 Data Struct. and Algo.	(3-2)	4
CSCE 181 Intro. to Computing	(1-0)	1	CSCE 222 Discrete Struct. for Computing	(3-0)	3
ENGL 104 Comp. and Rhetoric	(3-0)	3	MATH 152 Engineering Mathematics II	(3-2)	4
MATH 151 Engineering Mathematics I	(3-2)	4	Science elective ²		4
Science elective ²		4			
		16			15

SOPHOMORE YEAR

First Semester			Second Semester		
CSCE 312 Computer Organization	(3-2)	4	CSCE 313 Intro. To Computer Systems	(3-2)	4
CSCE 314 Programming Languages	(3-0)	3	CSCE 315 Programming Studio	(2-2)	3
MATH 304 Linear Algebra	(3-0)	3	STAT 211 Principles of Statistics I	(3-0)	3
Concentration area elective ⁴		3	Speech and writing skills elective ⁶		3
University Core Curriculum elective ¹		3	University Core Curriculum elective ¹		3
		16			16

JUNIOR YEAR

First Semester			Second Semester		
CSCE 481 Seminar	(0-2)	1	Computer Science electives ⁷		6
Computer Science electives ⁷		6	Concentration area elective ⁴		3
Concentration area elective ⁴		3	Science elective ²		4
Mathematics elective ⁵		3	Elective ³		3
Science elective ²		4			
		17			16

SENIOR YEAR

First Semester			Second Semester		
Computer Science electives ⁷		6	CSCE 482 Senior Capstone	(1-6)	3
Concentration area elective ⁴		3	ENGR 482 Ethics and Engineering	(2-2)	3
University Core Curriculum electives ¹		6	Computer Science elective ⁷		3
			University Core Curriculum electives ¹		6
		15			15

NOTES: Grade Requirements: A grade of C or better will be required for CSCE 181, CSCE 121, CSCE 221, CSCE 222, CSCE 312, CSCE 313, CSCE 314, CSCE 315, CSCE 411, CSCE 481 and CSCE 482; MATH 151, MATH 152 and MATH 304; MATH 251 or MATH 302 or MATH 308; ENGL 104; and at least two science electives.

1. To be selected from the University Core Curriculum. Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from social and behavioral sciences, 6 from American history, and 6 from Government and Political Science. The required 6 hours from international and cultural diversity may be met by courses satisfying the creative arts, social and behavioral sciences, and the history requirements if they are also on the approved list of international and cultural diversity courses.
2. Science courses must be taken from two areas. See advisor for list of acceptable courses.
3. Three hours of coursework to be approved by student's advisor.
4. The concentration area should be chosen only after consultation with a departmental advisor who will help the student arrange a program appropriate to his or her plans following graduation. Students should file a degree plan before taking minor courses to ensure their use in the degree plan.
5. Mathematics elective must be selected from MATH 251 or MATH 302 or MATH 308.
6. Select from ENGL 210 or COMM 203 or COMM 205.
7. Computer science electives are to be selected from tracks. See advisor for list of acceptable course choices.