

Bachelor of Science in Software Engineering
College of Engineering
University of Texas at Arlington
General Requirements 2007-2008 ■ Total Credit Hours = 120

Freshman

First Semester			Hours	Second Semester			Hours
CSE	1104	Introduction to Engineering	1	CSE	1325	Advanced Object-Oriented Programming Using C++	3
CSE	1105	Introduction to CSE	1	ENGL	1302	Critical Thinking, Reading and Writing II	3
CSE	1320	Intermediate Programming	3	HIST	1312	U.S. History since 1865	3
ENGL	1301	Critical Thinking, Reading and Writing I	3	MATH	2425	Calculus II	4
HIST	1311	U.S History to 1865	3	PHYS	1443	Tech Physics I	4
MATH	1426	Calculus I	4				
Total Credit Hours			15	Total Credit Hours			17

Sophomore

First Semester			Hours	Second Semester			Hours
CSE	2312	Computer Org & Assembly Language Programming	3	COMS	3302	Professional & Technical Communication	3
CSE	2315	Discrete Structures	3	CSE	2320	Algorithms & Data Structures	3
MATH	2326	Calculus III	3	IE	3301	Engineering Probability*	3
PHYS	1444	Technical Physics II	4	MATH	3319	Differential Equations & Linear Algebra	3
POLS	2311	U.S. Government	3	POLS	2312	State and Local Government	3
Total Credit Hours			16	Total Credit Hours			15

Junior

First Semester			Hours	Second Semester			Hours
CSE	3310	Fund of Software Engr.	3	CSE	3302	Programming Languages	3
CSE	3315	Theoretical Concepts in CSE	3	CSE	3320	Operating Systems	3
CSE	3322	Computer Architecture	3	CSE	4310	Software Engineering Processes	3
IE	3312	Economics for Engineers	3	CSE	4311	Object-Oriented Software Engineering Literature Elective ■	3
		Math/Science Elective §	3				
Total Credit Hours			15	Total Credit Hours			15

Senior

First Semester			Hours	Second Semester			Hours
CSE	3330	Database Systems & File Structures	3	CSE	4317	Software System Design Project II	3
CSE	4316	Software System Design Project I	3	CSE	4361	Software Design Patterns	3
CSE	4321	Software Testing	3			Math/Science Elective §	3
CSE	4322	Software Project	3			Fine Arts Elective ■	3
		Social/Cultural Elective ■	3				
Total Credit Hours			15	Total Credit Hours			12

** Students who do not have two units of a single foreign language in high school will be required to take two courses of a single foreign language in addition to the previously listed curriculum requirements.

*** Total hours for students required to take remedial mathematics courses or additional technical electives will be greater.

§ To be chosen from the approved list of technical electives available in the CSE office, 300 NH.

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This document serves as a supplement to the UTA Undergraduate 2007-08 Catalog, the on-line version of which is the official source of university information.