

COMPUTER SCIENCE B.S. DEGREE
SENIOR ELECTIVE PACKAGES
(formally called CONCENTRATED STUDIES PACKAGES)

Comp	Title	Artificial Intelligence	Computer Graphics	Computer Networks and Security	Human / Computer Interface	Information System Design	Object-Oriented Programming / Design	Operating Systems	Software Engineering
410	Logic Programming	x							
421	UNIX Environment for Programmers			x				x	
424	Computer System Security			x		x		x	x
426	Fault-Tolerant Software and Computing							x	
429	Computer Network Software			x				x	
432	Object-Oriented Programming						x		
440	Database Design					x			x
465	Computer Graphic Systems and Design		x		x				
467	Multimedia Computing (formally 496MC)		x		x				
469	Introduction to Artificial Intelligence	x							
480	Software System Development					x			x
484	E-Business Technologies (formally 496EBT)			x					x
485	Human-Computer Interaction		x		x	x			x
496NSP	Advanced Network Security Projects			x					
496SSW	Secure Software Engineering			x					x
529	Advanced Network Topics			x					
535	Parallel and Distributed Programming							x	
560	Expert Systems	x							
565	Advanced Computer Graphics		x		x				
585	Graphical User Interface		x		x		x		x
586	Object-Oriented Software Design						x		x
595DM	Data Mining	x				x			
595VAV	Software Verification and Validation								x
598ADB	Advanced Database Systems					x			x
598EA	Embedded Applications				x			x	x
598SEC	Advanced Computer System Security			x					

A Senior Electives Package should provide for both depth in an area of specialization and breadth across the discipline of computer science. A Senior Electives Package consists of a minimum of 15 units of upper division computer science courses. All 400 and 500 level COMP courses with the exception of 450, 494 and 499 are pre-approved for inclusion in a Package; MATH 481A is also pre-approved for inclusion. Request for inclusion of an upper division course within a Package that does not meet the requirements stated above must be approved by the student's advisor and the Department Chair prior to enrollment in the course. 12 of the 15 units in the Package must be taken in residence at CSUN.