

Computer Science Major Requirements (B.S. - Computer Science)
Guidance Sheet for Students Entering the Major Fall 2010 or Later

Name _____ WCU ID _____ Date Enrolled in Major _____

	(Updated 08/25/2010)	Semester	Credits	Prefix	Number	Grade
Cognate Requirements 10 Credits	Mathematics 7 Credits	if needed	3	MAT	110	
			4	MAT	161	
		gen ed	3	MAT	151	
			3	MAT	121	
	Communication Skills 3 credits	gen ed	3	SPK 199/208/230		
		W emph.	3	ENG 368/371		
Additional Math/Science Requirements 11 credits	At least one general education science course must be a lab course for science majors *		3-4	MAT122/162		
Major Requirements 48 credits	Classroom Core 27 Credits		3	CSC	141	
			3	CSC	142	
			3	CSC	240	
			3	CSC	241	
			3	CSC	242	
			3	CSC	220	
			3	CSC	301	
			3	CSC	345	
			3	CSC	402	
	Complex Large-Scale Systems: 3 credits		3	CSC 416/417		
				or CSC 490/495 if applies **		
	Computer Science 300 and 400 level Electives 18 credits At least 6 credits must be 400-level ***		3	CSC		
			3	CSC		
			3	CSC		
		3	CSC			
		3	CSC			
		3	CSC			
Free Elective 3 credits	To Attain 120 credits For Graduation		3			

* Introductory Lab Courses For Science Majors: BIO110, CHE103, ESS101, PHY130, PHY170

** Topic/format of course must apply & substitution must be approved by chairperson

*** If CSC416 & CSC417 are both taken, one can be used here. 3 credits of the 6-credit internship CSC400 can be used here. Graduate courses CSC5xx can be used here with the approval of the chairperson

[Computer Security Certificate Listed at www.cs.wcupa.edu](http://www.cs.wcupa.edu)

MINIMUM GRADES TO ENTER MAJOR AND TO GRADUATE:

C- in CSC, MAT, and other cognate courses, 2.5 CSC GPA, 2.0 MAT GPA

Entering majors must have completed CSC141-142 and two of MAT121,151,161

PROTOTYPE SCHEDULE

Year 1: CSC141~CSC142 Year 2: CSC240~CSC241 Year 3: CSC342~CSC301, CSC345~CSC402

MAT GPA >589:

Year 1: MAT161~MAT162 Year 2: MAT151~CSC220 Year 3: MAT121

MAT GPA <590:

Year 1: MAT110~MAT161 Year 2: MAT151~CSC220 Year 3: MAT121~MAT122