

Computer Science – Research Option Program Planning Guide

Program requirements to completion: 33 credits beyond foundation courses

All coursework and degree requirements must be met within seven (7) years of enrolling in the first course at Hood College that applies towards the degree and/or certificate program. International students who do not demonstrate adequate proficiency in English may be required to complete EAP 500 English for Academic Purposes.

Student Name _____

Advisor Signature _____ Date _____

Term/Year of first course _____ Term/Year of expiration of time limit (see collegecatalog) _____

REQUIREMENTS	CREDITS	WAIVED OR REQUIRED	PREREQUISITES	WHEN OFFERED	SEMESTER TAKEN	GRADE EARNED
Foundation Courses +						
EAP 500 – English for Academic Purposes	(3)		None	FALL & SPRING		
MATH 505 - Discrete Math	3		None	FALL		
CS 503 - Programming & Algorithms I	3		MATH 505	FALL & SPRING		
CS 504 - Programming & Algorithms II	3		CS 503 & MATH 505	FALL & SPRING		
CS 508 - Computer Organization & Design	3		CS 503 & MATH 505	FALL & SPRING		
CS 519 - Advanced Data Structures	3		CS 504	FALL & SPRING		
Foundation Total	15					
Core Courses						
CS 520 - Algorithm Analysis	3		MATH 505 & CS 519	SPRING		
CS 524 - Principles of Software Engineering	3		CS 504	FALL		
CS 528 - Artificial Intelligence	3		CS 524	FALL		
CS 564 - Operating Systems	3		CS 508 & CS 519	SPRING		
Core Additional Options (Choose 1)						
CS 561 - Computer Architecture	3		CS 508 & CS 519	FALL - ODD YRS		
CS 571 - Programming Languages	3		CS 508 & CS 519	FALL		
Core Total	15					
Research Options						
CS 580 - Master's Thesis	6		ALL COURSES	ANY		
CS 585 - Fieldwork Project	6		ALL COURSES	ANY		
CS 595 - Software Engineering Project	6		ALL COURSES	ANY		
Research Total	6					
Elective Courses*						
CS or IT Elective	3					
CS or IT Elective	3					
CS Elective	3					
Elective Total	12					

Program Total 33

***Students must complete 12 credits of elective courses. Electives must be selected from courses with the CS or CSIT prefix.
+Foundation courses are not eligible to be used as elective or concentration courses.**

It is your responsibility to know the requirements for your degree and to fulfill them. Course schedules and projections are subject to adjustment. It is also your responsibility to request written approval for any course substitutions from your academic adviser or the program director prior to enrollment. Failure to receive approval for course substitutions prior to enrollment may result in a delay in program completion.