UVA School of Engineering and Applied Science - BSCS Degree Checklist

Computer Science Foundation and Required Courses (33 credits)

Course	Credits	Semester
CS 111X: Introduction to Programming	3	
CS 2100: Data Structures and Algorithms 1	4	
CS 2120: Discrete Mathematics and Theory 1	3	
CS 2130: Computer Systems and Organization 1	4	
CS 3100: Data Structures and Algorithms 2	3	
CS 3120: Discrete Mathematics and Theory 2	3	
CS 3130: Computer Systems and Organization 2	4	
CS 3140: Software Development Essentials	3	
CS 3240: Advanced Software Development Techniques	3	
Senior Thesis (Choose one): CS 4971 / CS 4980 / CS 4991 + Extra CS 4000	3	

SEAS General Requirements (36 credits)

Course	Cr	Semester	Course	Cr	Semester
APMA 1110	4		PHYS 1425	3	
APMA 2120	4		PHYS 1429	1	
CHEM 1410	3		PHYS 2415	3	
CHEM 1411	1		PHYS 2419	1	
ENGR 1010	4		STS 2600	3	
ENGR 1020	3		STS 4500	3	
			STS 4600	3	

Math / Sci Elective (3 credits)

Course	Cr	Semester

APMA Electives (9 credits)

Course	Cr	Semester
APMA 3100	3	

CS Electives (15 credits)

Course	Cr	Semester

HSS Electives (15 credits)

Course	Cr	Semester

Unrestricted Electives (15 cr)

Course	Cr	Semester