Academic Checksheet

COLLEGE OF ENGINEERING
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Cybersecurity
2018/2019 (124 Hours)

Student A#				Student Name (Last, First MI)		Offered: F=Fall S=Spr M=Sum
Semester, Transfer or AP	**Grade**	**Course Number**	**Cr Hrs**	**Course Title**	**Prerequisites, Corequisites and/or Prerequisites with Concurrency**	
				English - 6 hours		
		EH 101	3	College Writing I	Placement	FSM
		EH 102	3	College Writing II	EH 101	FSM
				Mathematics - 15 hours		
		MA 171	4	Calculus A	MA 113 or Level III Placement	FSM
		MA 172	4	Calculus B	MA 171	FSM
		MA 201	4	Calculus C	MA 172	FSM
		MA 244	3	Introduction to Linear Algebra	MA 172	FSM
				Science - 4 hours		
			4		BYS 119 or CH 121/125	FSM
				Physics - 8 hours		
		PH 111	3	General Physics w/Calculus I	MA 171; Coreq: 114	FSM
		PH 114	1	General Physics Lab I	Prereq w/Con: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, PH 114; Coreq: 115	FSM
		PH 115	1	General Physics Lab II	Coreq: PH 112	FSM
				History, Social & Behavioral Sciences, Humaities & Fine Arts - 24 hours		
			3	History		FSM
			3	Social & Behavioral Science		FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements: http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms	FSM
			3	Literature		FSM
			3	Fine Art		FSM
			3	Humanities		FSM
			3	Sequence Course (HY or EH)		FSM
			3	HSBS/HFA Elective		FSM
				First-Year Engineering - 4 hours		
		FYE 101	1	First-Year Experience for Engineers	None	FS
		ENG 101	3	Computing for Engineers	Prereq w/Con: MA 171	FSM
** Class has required lab section				**Cybersecurity - 60 hours**		
		EE 202	3	Intro to Digital Logic Design	ENG 101	FSM
		EE 203	1	Digital Logic Design Lab	EE 202	FSM
**		CPE 211	3	Intro to Computer Programming in Engineering	ENG 101, Prereq w/Con: MA 171; Coreq: CPE 211L	FSM
		CPE 212	3	Fundamentals of Software Engineering	CPE 211	FS
		CS 214	3	Intro to Discrete Structures	MA 171, CPE 211	FSM
		CPE 221	3	Computer Organization	CPE 211; Prereq w/Con: EE 202	FSM
		CS 317	3	Design & Analysis of Algorithms	CS 214, CPE 212, MA 244	FSM
		CPE 323	3	Intro to Embedded Computer Systems	CPE 221; Coreq: CPE 325	FS
		CPE 325	1	Lab Component of Intro of CE 323	Coreq: CPE 323	FS
		CPE 348	3	Introduction to Computer Networks	CPE 221	FS
Select One		CS 307	3	Object Oriented Programming C++	CPE 212	FSM
		CPE 353	3	Software Design & Engineering	CPE 212; Prereq w/Con: CS 317	F
		ISE 390	3	Probability & Engineering Statistics I	Prereq w/Con: MA 201	FSM
		CPE 434	3	Operating Systems	CPE 221, (CS 307 or CPE 353); Coreq: CPE 435	S
		CPE 435	1	Operating Systems Lab	Coreq: CPE 434	S
**		CPE 449	3	Introduction to Cybersecurity Engineering	CPE 348; Coreq: CPE 449L	F
		IS 450	3	Cybersecurity Management	CPE 211	F
		CS 465	3	Network Security	CPE 212	FS
		CS 480	3	Digital Forensics for Mobile Devices	CPE 323	FS
		CPE 455	3	Secure Software Development	CS 307 or CPE 353	S
		CPE 457	3	Software Reverse Engineering	CS 307 or CPE 353	FS
		CPE 459	3	System Security	CS 465, CPE 449	S
		CPE 498	3	Cybersecurity Capstone	CS 465, CE 449, IS 450	S
				Cybersecurity Elective - 3-4 hours		
			3		300+ Level course approved by advisor	

All prerequisite classes must be completed with a "C-" or higher grade.
The Catalog is the final authority for all degree requirements.