

# Academic Checksheet



# Electrical Engineering 2020/2021 (129 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		
<b>English - 6 hours</b>							
		EH 101	3	College Writing I	Placement	FSM	
		EH 102	3	College Writing II	EH 101	FSM	
<b>Mathematics - 18 hours</b>							
		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 238	3	Applied Differential Equations	Prereq w/Con: MA 201	FSM	
		MA 244	3	Introduction to Linear Algebra	MA 172	FSM	
<b>Chemistry - 4 hours</b>							
		CH 121	3	General Chemistry I	Plcmt or Prereq w/Con: MA 113	FSM	
		CH 125	1	General Chemistry Lab I	Prereq w/Con: CH 121	FSM	
<b>Physics - 12 hours</b>							
		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	
		PH 113	3	General Physics w/Calculus III	MA 172, PH 112, PH 115; Coreq: 116	FSM	
		PH 116	1	General Physics Lab III	Coreq: PH 113	FSM	
<b>History, Social &amp; Behavioral Sciences, Humanities &amp; Fine Arts - 18 hours</b>							
			3	History	For more information on HSBS/HFA Requirements: <a href="http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms">http://www.uah.edu/eng/departments/ undergraduate-engineering/student-forms</a>	FSM	
			3	Literature		FSM	
			3	Fine Art		FSM	
			3	Social & Behavioral Science		FSM	
			3	Sequence Course (HY or EH)		FSM	
			3	HSBS/HFA		FSM	
<b>Engineering - 4 hours</b>							
		FYE 101	1	First-Year Experience for Engineers	None	FS	
		ENG 101	3	Computing for Engineers	Prereq w/Con: MA 113	FSM	
		EE 299	0	EE Advising & Mentoring I	Prereq w/Con: CPE 211	FS	
		EE 399	0	EE Advising & Mentoring II	EE 223, EE 299	FS	
**	Class has required lab section			<b>Electrical Engineering - 52 hours</b>			
		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	
		EE 213	3	Electrical Circuit Analysis I	Prereq w/Con: PH 112, MA 201	FSM	
		CPE 221	3	Computer Organization	CPE 211; Prereq w/Con: EE 202	FSM	
		EE 223	3	Design & Modeling of Electric Circuits & Systems	EE 202, EE 213	FS	
		EE 307	3	Electricity and Magnetism	PH 112, MA 201, EE 213	FSM	
		EE 308	3	Electromagnetic Engineering	EE 307	FS	
		EE 310	3	Solid State Fundamentals	PH 113; Prereq w/Con: MA 238	FS	
		EE 315	3	Introduction to Electronic Analysis and Design	EE 213	FSM	
		EE 316	1	Electronic Measurements & Devices Design Lab	Prereq w/Con: EE 315	FS	
		ISE 321	3	Engineering Economy	ENG 101	FSM	
		CPE 323	3	Intro to Embedded Computer Systems	CPE 221; Coreq: CPE 325	FS	
		CPE 325	1	Embedded Systems Lab	Coreq: CPE 323	FS	
		EE 382	3	Analytical Meth for Continuous Time Sys	EE 213, MA 238, MA 244	FSM	
		EE 383	3	Analytical Meth for Mult and Discr Time Sys	EE 382	FSM	
		EE 384	1	Digital Signal Processing Laboratory	CPE 381 or Prereq w/Con: EE 383	FS	
		EE 385	3	Random Signals and Noise	CPE 381 or EE 382	FS	
		EE 386	3	Introduction to Control and Robotic Systems	CPE 381 or EE 382	FS	
		EE 494	3	EE Design Projects	EE 223, EE 315, EE 383, EE 385, CPE 323, ISE 321, EE 399	FS	
<b>Electrical Engineering Electives - 12 hours</b>							
			3	T1	Track: _____		
			3	T2	(Must take a 2 course track in one area.)		
			3		300+ Level course approved by advisor: list of approved EE Electives at		
			3		<a href="http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms">http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms</a>		
<i>EE with Optics Concentration:</i> T1 - OPT 341, T2 - OPT 342, choose 2: EE 416, EE 436, EE 453, EE 454							
<b>Technical Elective - 3 hours</b>							
			3		200+ Level Science or Engineering course approved by advisor		

All prerequisite, and required 300+ level, classes must be completed with a "C-" or higher grade.  
The Catalog is the final authority for all degree requirements.