			DEE i Togram (i Tem	led Track) - 2022-20	20		
1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester
MA125³ (4)	MA126 (4)	MA227 (4)	MA238 (3)	EE331 (3)	EE334 (3)	EE431 (3)	EE437 (1)
Calculus I	Calculus II	Calculus III	Diff. Equations	Physical Electronics	Digital Electronics	Analog Electronics	Electronics Lab
	<ma125></ma125>	<ma126></ma126>	(MA227)	<ch131></ch131>	<ee331></ee331>	<ee334></ee334>	<ee334> (EE431</ee334>
				<ph202, ma238=""></ph202,>			
CH131 ³ (4)	PH201 (4)	PH202 (4)	EE223 (3)	EE321 (3)	EE328 (3)	EE401* (1) W	EE404** (3) W
Chemistry I	Physics I (cal based)	Physics II (cal based)	Network Analysis	Signals & Systems	Feedbk Control Sys.	Intro to ECE Design	ECE Design
	<ma125, eh101=""></ma125,>	<ph201, ma126=""></ph201,>	<ee220, ph202=""></ee220,>	<ee223, ma238=""></ee223,>	<ee321></ee321>	<ca110, ee321=""></ca110,>	<ee328, ee334<="" td=""></ee328,>
_	(MA126)	<eh101></eh101>	(MA227, MA238)			(EE334, EE368)	<ee368, ee4012<="" td=""></ee368,>
EH101 ³ (3)	EH102 ³ (3)	EE220 (3)	MA237 (3)	EE227 (1)	EE322 (3)	EE465 (3)	EE4XX (3)
Composition I	Composition II	Circuit Analysis	Linear Algebra I	Circuits and Dev Lab	Prob. & Stat. Anal.	Digital Signal Proc.	Tech Elective
	<eh101></eh101>	<ma125, ph201=""></ma125,>	<ma126></ma126>	(EE223, EH102)	<ma238> (EE321)</ma238>	<ee321, ee322=""></ee321,>	
EG101 ⁴ (2)	CPE260 (3)	EE263 (3)	EE268 (1)	EE264 (3)	EE368 (1)	EE372 (3)	EE4XX (3)
Intro to Engineer.	Intro. to C++	Digital Logic	Digital Logic Lab	Microproc.	Microproc Sys Lab	Communications	Tech Elective
MA113 or MA125)	(MA125)	<cpe260></cpe260>	<ee263 csc228="" or=""></ee263>	<ee263 csc228="" or=""></ee263>	<ee268>, (EE264)</ee268>	<ee321>, (EE322)</ee321>	
CA110 (3)	CH132 (4)	CH201 (4)	CH202 (4)	BMD321* (3)	BMD322** (3)	EE4XXL (1)	General Ed (3)
Public Speaking	Chemistry II	Organic Chem I	Organic Chem II	Biochem. I	Biochem. II	Tech Elective Lab	L/H/FA or
, ,	<ch131></ch131>		<ch201></ch201>	<ch201></ch201>	<ch201, bmd321=""></ch201,>		H/SBS
General Ed (3)			BLY121 ³ (4)	BLY122 ³ (4)	General Ed (3)	BLY350 ³ (3)	General Ed (3)
SS			Gen Biology I	Gen Biology II	L/H/FA or	Human Physiology	L/H/FA or
PSY120 recom	,				H/SBS	<see bulletin=""></see>	H/SBS
Revised: Summer	· 2022				General Ed (3)	EG 231 (3)	
Courses only ta	ught in the fall sem	ester			SS	Ethics & Eng Econ	
** Courses only taught in the spring semester					SY109 recom	<ma126></ma126>	
May require min	imum ACT, placeme	ent test, or remedia	l prerequisites.				
Students transfe	erring 15 or more cr	-					
> indicates prer	equisite courses; () indicates corequi	site courses	I	MCAT Exam is take	n in the Summer af	ter the Junior
		CS course: C-grade	or higher required	•	Year		
	ses can be taken wi er denotes EE pre-med		Double border	denotes a course that	is not required		
19 cr-hr	18 cr-hr	18 cr-hr	18 cr-hr	17 cr-hr	19 cr-hr	14 cr-hr	16 cr-hr

General Education Requirements

All students are required to take EH 101 and EH 102, English Composition I and II, plus 15 hours of general education courses.

Literature, Humanities ar	nd Fine Arts: 9 hrs total	History, Social Sciences, and Behavioral Sciences: 6 hrs total			
L/H/	/FA	H/SBS			
Literature - 3 hrs required		History -3 hrs required			
EH 215, 216	British Literature	HY 101, 102	History of Civilization		
EH 225, 226	American Literature	HY 135, 136	US History		
EH 235, 236	World Literature				
Fine Arts - 3 hrs required		Social and Behavioral Sciences - 3 hrs required			
ARH 100	Survey of Art	GS 101	Gender Studies		
ARH 103, 123	Art History	IST 201	Seasons of Life		
ARS 101	Art Appreciation	AN 100, 101	Anthropology		
DRA 110	Intro to Drama	CA 100, 211	Communications		
MUL 101	Intro to Music	ECO 215, 216	Economics		
		GEO 114, 115	Geography		
Humanities - 3 hrs required		PSC 130	US Government		
AFR 101	African American Studies	PSY 120** , 250, 121	Psychology		
AIS 105	Encounter with the Humani	SY 109** , 112	Sociology		
CA 110 *	Public Speaking *	IS 100	Global Issues		
LG 111, 112, 211, 212	French				
LG 131, 132, 231, 232	Spanish				
LG 171, 172,271, 272	Russian	* EE Program requires CA 110			
LG 151, 152, 251, 252	German	** PSY120 and SY109 are recommended for the			
GS 101, 102 201, 202 Japanese		MCAT.			
LGS 106, 107, 206, 207	Arabic				
LGS 121, 122, 221, 222	Chinese				
LGS 141, 142 241, 242	Greek				
PHL 110, 121, 131, 231, 240	Philosophy				

Student Responsibility: The University of South Alabama will endeavor to provide timely and accurate advising. However, students are ultimately responsible for selecting and registering for courses, meeting course pre-requisites and graduation requirements, and adhering to University policies and procedures.

Electrical Enigneering Pre-med Track

The EE Pre-med-track requires 26 hours from BLY121, BLY122, BMD321, BMD322, CH132, CH201, CH202 as pre-med track elective.

In addition Physiology (eg BLY350) is recommended but not required.

2 technical electives and 1 technical elective lab must be selected satisfying the concentration requirement bellow.

				, ,	
Concentration area		Two courses required in one concentration area			
Control Systems:		EE 422, EE 423, EE 424, EE 427, EE438, EE 468			
Communications and Networks:		EE 441, EE 444, EE 453, EE 456, EE 471, EE 473			
Digital Systems:		EE 438, EE 440*, EE 441, EE 443*, EE 454, EE 457, EE 468, EE 469			
Electromagnetics and Optics:		EE 450, EE 452, EE 453, EE 455, EE 456, EE 458, EE 488			
Electronics:		EE 430, EE 432, EE 438, EE 439, EE 455, EE 470, EE 482, EE 486			
Power Systems:		EE 430, EE 481, EE 482, EE 483, EE 484, EE 485, EE 486, EE 488, EE 489			
Courses					
EE 422	Adv Feedback Control Systems		EE 456	Fiber Optic Communication Sys	
EE 423	Modern Control Theory		EE 457	Embedded System Design	

	C	ourses				
EE 422	Adv Feedback Control Systems	EE 456	Fiber Optic Communication Sys			
EE 423	Modern Control Theory	EE 457	Embedded System Design			
EE 424	Nonlinear Control Systems	EE 458	Radar Systems			
EE 427	Digital Control Systems	EE 465	Digital Signal Processing			
EE 430	Power Semiconductor Dev	EE 468	Programmable Logic Controllers			
EE 432	Microelectronic Devices	EE 469	Signal Integrity			
EE 438	Virtual Instrumentation	EE 470	Synth Active-Passive Networks			
EE 439	VSLI Technology-Fabrication	EE 471	Wireless Communication			
EE 440*	HDL Logic Synthesis	EE 473	Advanced Communication Systems			
EE 441	Computer Networks	EE 481	Electrical Machines			
EE 443*	HDL Logic Simulation	EE 482	Switch Mode Power Conversion			
EE 444	Wireless Networks	EE 483	Power Systems I			
EE 450	Fundamentals of Fourier Optics	EE 484	Power Systems II			
EE 452	Microwave Engineering	EE 485	Power Distrib and Utilization			
EE 453	Antenna Theory and Design	EE 486	Power Electronics			
EE 454	Digital Computer Architecture	EE 488	Illumination Engineering			
EE 455	Optoelectronics	EE 489	Renewable Energy			
* Credit f	or both EE 440 & EE 443 not allowed					

##