## **BIOSYSTEMS ENGINEERING**

Courses highlighted below are available at Newberry College Curriculum Example\*

				FRESHMAN YEA	.R			
	4 CH 1010 Gen	eral Chemistry			4 CH 1020	General Chemistr	у	
		ccelerated Composition	on				and Problem Solvin	$g^1$
	2 ENGR 1020 E	ngineering Discipline	and Skills <sup>1</sup>	_	2 ENGR 210	00 Computer-Aide	ed Design and Engi	neering
		Calculus of One Variab			Applicati	ons		
					4 MATH 10	80 Calculus of On	e Variable II	
	16					O Physics with Ca		
					16	,		
				SOPHOMORE YE	AR			
	2 BE 2120 Fund	damentals of Biosyste	ms Engr.		2 BE 2100 I	ntro. to Biosysten	ns Engineering	
	3 CE 2010 Stati		•	_	2 CE 2080 I			
	4 MATH 2060 (	Calculus of Several Va	riables		4 MATH 20	80 Int. to Ordinar	y Differential Eqtns	S
	3 PHYS 2210 Ph	nysics with Calculus II					and Heat Transfer	
	4 Biology Requ			_		0 General Microb		
	16				15		<b>3</b> 7	
				JUNIOR YEAR				
	3 BE 3200 Prin	ciples and Practices of	Geomatics		3 BE 3220 S	Small Watershed	Hydrology & Sedim	 nentology
	3 BE 4100 Biol. Kinetics and Reactor Modeling						sport in Biosystem	
	3 BIOL 4410 Ec		o .				nd Process Contro	
		oduction to Fluid Mec	hanics		Biosy	stems Engineering	g	
	2 ECE 2070 Bas	sic Electrical Engineeri	ng			Bioprocess Engine		
		sic Electrical Engineeri	-	_		Organic Chemistr		
	16	Ö	5	_		Organic Chemistr		
					16	2.842 2	, 2000.000.	
				SENIOR YEAR				
+	3 BCHM 3050 B	Biochemistry			9 Gen Ed <sup>4</sup>			
		hemical Engineering						
		ystems Engr. Design/f	Project Mgt.					
		ystems Engr. Capston			3 Engineeri	ing Requirement <sup>5</sup>		
2 BIOL 4340 Biol. Chemical Lab. Techniques					3 Global Su			
		ctural Mechanics	'	_	 15	, ,		
		gineering students begin in	our General Engin	ering program and mo		major once the	126 Total Semes	ster Hours
		l standards are completed.					Ω	
Footnot	es: and ENGR 14	10/or CHE 1300 must all be	completed with a	"C" or higher before o	leclaring and starting o	courses in your engine		
		ENGR 1090 may be substit	uted for ENGR 141	0; ENGR 1050 and EN	GR 1060 may be subst	ituted for ENGR 1020		
		for CE 2010 and CE 2080						
	30/BIOL 1050 or BIO		*:		C:-  C-:	S   <b>  </b>	d C-:	
society co	s snould choose cou Imponents. See Und	rses to fulfill General Educa ergraduate Announcement	s and academic adv	risor for details.	Social Science, Cross-C	Luiturai Awareness an	a Science and Technolo	igy in
5 '	•	0, BE 4140, BE 4170, BE 42			CE 3210, CE 3520, CE	4020, CE 4060, CE 482	20, EES 4010, EES 4020	, EES 4100,
EES 4300,		, EES 4850, EES 4860, GEO				,		,
<sup>6</sup> Select C	U 2010 or any cours	e from the Sustainability M	inor course list.					
*See cata	alog for current curri	culum at catalog.clemson.e	edu					
			General	Education Requ	irements			i
	LIT	Non-Lit	SS1	SS2		CCA	STS	1

General Education Requirements												
LIT	Non-Lit	SS1	SS2		CCA	STS						
			Other									
LIFE	Palmetto Fellows	Honors	Athlete	RiSE	ROTC	Med School						

**Comments:**