ELECTRICAL ENGINEERING CURRICULUM

For University Scholars Freshmen Entering Fall 2009

FRESHMAN (09-10)

AUTUMN			WINTER			SPRING		
CSC 1230	Programming	5	EE 1210	Int.Logic Sys Des	5	MAT 1236	Calculus III	5
MAT 1234	Calculus I	5	MAT 1235	Calculus II	5	CSC 2430	Data Structures	5
EGR 1402	Intro to Egr.	2						
USCH 1000	**USCH Seminar**	**5**	**USCH 1111**	**Texts & Con I**	**5**	**USCH 1112**	**Texts & Con II**	**5**
		17			**15**			**15**

SOPHOMORE (10-11)

EE 2726	Circuits I	4	EE 2727	Circuits II	4	EE 3028	Circuits III	4
PHY 1121	Engr Physics I	5	PHY 1122	Engr Physics II	5	PHY 1123	Engr Physics III	5
MAT 2401	Linear Algebra	3	MAT 3237	Differential Equ	3	EGR 2200	Prob&Stats Engin	2
UFDN 1000	**Chr Formation**	**5**	**USCH 1113**	**Texts & Con III**	**5**	**USCH 1114**	**Texts & Con IV**	**5**
		17			**17**			**16**

JUNIOR (11-12)

EE 3721	Electronics I	5	EE 3722	Electronics II	5	EE 3730W	Elec Cir Des	5
EE 3550	Comm. Sys	5	EE 3760	Computer Org	5	EE 3280	Microcontroller	5
EE 3000	Semin &InternPrep [1]	1				MAT 3238	Multi-var Cal	3
TE	TE	4-5						
			USCH 3910	**Faith & Science I**	**5**	**USCH 4950**	**Chr. and Schol.**	**2**
		15-16			**15**			**15**

SENIOR (12-13)

EE 4211	Senior Design I	3	EE 4212	Senior Design II	3	EE 4899W	Senior Design III	3
EGR 4940W	Internship Sem. [1]	1	EE 3410	Signals&System	5	TE	TE	4-5
TE	TE	4-5	EE 3310	Electromagnetics	3			
UFDN 2000	**Chr Scriptures**	**5**				**USCH 4910**	**Faith & Sci II**	**5**
USCH 4960	**Honors Project I**	**2**	**UFND 3001**	**Chr. Theology**	**5**	**USCH 4965**	**Honors Proj II**	**2**
		15-16			**16**			**14-15**
EGR 4910	*FE Prep (optional)[2]*	*1*						

TE: See list of approved technical electives. 12 credits are required.

[1] An Engineering Internship with industry is normally completed during the Junior-Senior summer. The internship is reported upon during EGR 4940, the Engineering Internship seminar.

[2] EGR 4910 is recommended to help prepare for the required FE exam.