

Electrical Engineering (Systems) Block Schedule 2009-10

Semester 1		Semester 2	
MAC 2311 Calculus I	4	PHY 2048/L Univ. Physics I w/ Lab	5
ENC 1101 College Writing	3	ENC2210/2930 Tech Writing/ST in Comp:Eng	3
CHM 2045C General Chemistry	4	MAC 2312 Calculus II	4
EUH 1000/1001 Freshman Core I/II	<u>3</u>	PHI 2630 Contpm Ethic Iss	3
	14	EGN 1001 Intro to Engr I	<u>2</u>
			17
Semester 3		Semester 4	
PHY 2049/L Univ. Physics II w/ Lab	5	MAP 2302 Differential Equations	3
MAC 2313 Calculus III	4	COP 2220 Computer Science I	3
LIT 2000 Intro to Literature	3	Cultural Diversity	3
Non-Appl Fine Art	3	EGN 3311 Statics	3
EGN 2009 Intro to Engr II	<u>2</u>	Social Science	<u>3</u>
	17		15
Summer		TOTAL LOWER LEVEL	
EEL 3111 Circuit Analysis I	3		63
Semester 5		Semester 6	
EEL 3303L Elec Circuits Lab	1	EEE 4309C Electronic Circuits 2	4
EEL 3112 Circuit Analysis II	3	EEL 3135 Signals and Systems	3
STA 3032 Probability and Statistics	3	EEL 3889C Embedded Systems	3
EEL 3304 Elec Circuits I	3	EEL 4744C Microcontroller Appli	<u>4</u>
EEL 3701C Intr Digital Systems	<u>4</u>	Semester Total	14
Semester Total	14		
Summer(after semester 6)		Semester 8	
Major Requirement**	3	Major Requirement**	3
Technical elective*	<u>3</u>	Technical elective*	5
Semester Total	6	EEL 4915 Elec Engr Design II	3
		**Non Electrical Elective TE	<u>3</u>
		Semester Total	14
Semester 7		TOTAL UPPER LEVEL	
Major Requirement**	3		65
EEL 3472 Electromag Flds Appl	3	**Major Requirement Courses (select 3)	
EEL 4657C Linear Control Syste	4	EEL 3211 Intro to Electric Machines	3
EEL 4914 Senior Design I	1	EEL 4712C Digital Design	4
Technical Elective*	<u>3</u>	EEL 4514 Communication Systems	3
Semester Total	14	EEL 4750/L Intro Dig Sig Proc/DSP Lab	4
		EEL 4610 State-Space Control Systems	3
		EEE 4314L Advanced Electronic	<u>2</u>
			8-11
*Technical Electives (9-12hrs)		Technical Electives (cont.)	
EEE 4396 Solid Ste Elec Devic	3	EEL 4931 Special Topics in EE	1-4
EEL 3216 Intro to Power System	3	EEL 4713 Digital Comptr Archi	3
EEL 4201L Elec Energy Conversn Lab	1	EEL 4713L Digital Comptr Arch Lab	1
EEL 4230 Elec Drvs and Motor Ctrl	3	EEL 4514L Communication Systems Lab	1
EEL 4242C Power Electronic Circuits	4	EEL 4515 Adv Digital Communic	3
EEE 4310 Digital Integrated Circuits	3	EEL 4515L Adv Digital Commun Lab	1
EEL 4905 Individual Study	1-3	EEL 4440 Optical Fiber Commun	3
EEL 4930 Special Topics in EE	3	EEL 4949 Co-op Work Experience	0-1

**Students must select EGN3321 Dynamics or EGN3358 Applied Thermal Sciences

Note:Major Requirements plus Technical Electives must be \geq 20 credits