

Electrical Engineering (Systems) Block Schedule 2006-07

Semester 1

MAC 2311 Calculus I	4
ENC 1101 College Writing	3
CHM 2045C General Chemistry	4
EUH 1000/1001 Freshman Core I/II	<u>3</u>
Semester Total	14

Semester 3

PHY 2049/L Univ. Physics II w/ Lab	5
MAC 2313 Calculus III	4
LIT 2110	3
Non-Appl Fine Art	<u>3</u>
Semester Total	15

Summer

EEL 3111 Circuit Analysis I	3
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Semester 5

EEL 3303L Elec Circuits Lab	1
EEL 3112 Circuit Analysis II	3
STA 3032 Probability and Statistics	3
EEL 3304 Elec Circuits I	3
EEL 3701C Intr Digital Systems	<u>4</u>
Semester Total	14

Semester 6

EEL 4309C Electronic Circuits 2	4
EEL 3135 Signals and Systems	3
EEN 3311 Statics or EEN 3321 Dynamics	3
EEL 3889C Embedded Systems	3
EEL 4744C Microcontroller Appli	<u>4</u>
Semester Total	17

Summer(after semester 6)

Major Requirement**	3
Technical elective*	<u>3</u>
Semester Total	6

*Technical Electives (9-12hrs)

EEL 4396 Solid Ste Elec Devic	3
EEL 3216 Intro to Power Systm	3
EEL 4201L Elec Energy Conversn Lab	1
EEL 4230 Elec Drvs and Motor Ctrl	3
EEL 4242C Power Electronic Circuits	4

Semester 2

PHY 2048/L Univ. Physics I w/ Lab	5
ENC 1102 Informed Writer	3
MAC 2312 Calculus II	4
PHI 2630 Contpm Ethic Iss	<u>3</u>
Semester Total	15

Semester 4

MAP 2302 Differential Equations	3
COP 2220 Computer Science I	3
Cultural Diversity	3
EEN 3311 Statics	3
Social Science	3
Free Elective	<u>1</u>
Semester Total	16

TOTAL LOWER LEVEL

60

Semester 7

Major Requirement**	3
EEL 3472 Electromag Flds Appl	3
EEL 4657C Linear Control Syste	4
EEL 4914 Senior Design I	1
Technical Elective*	<u>3</u>
Semester Total	14

Semester 8

Major Requirement**	3
Technical elective*	5
EEL 4915 Elec Engr Design II	3
EEN 3358 Applied Thermal Sciences	<u>3</u>
Semester Total	14
TOTAL UPPER LEVEL	68

**Major Requirement Courses (select 3)

EEL 3211 Intro to Electric Machines	3
EEL 4712C Digital Design	4
EEL 4514 Communication Systems	3
EEL 4750/L Intro Dig Sig Proc/DSP Lab	4
EEL 4610 State-Space Control Systems	3
EEL 4314L Advanced Electronic	<u>2</u>

8-11

Technical Electives (cont.)

EEL 4713 Digital Comptr Archi	3
EEL 4713L Digital Comptr Arch Lab	1
EEL 4514L Communication Systems Lab	1
EEL 4515 Adv Digital Communic	3
EEL 4515L Adv Digital Commun Lab	1
EEL 4440 Optical Fiber Commun	3