

## Electrical Engineering (Computer) Block Schedule 200910

### Semester 1

MAC 2311 Calculus I	4
ENC 1101 College Writing	3
CHM 2045C General Chemistry	4
EUH 1000/1001 Freshman Core I/II	3
EGN 2009 Intro to Engr II	<u>2</u>
<b>Semester Total</b>	<b>14</b>

### Semester 3

PHY 2049/L Univ. Physics II w/ Lab	5
MAC 2313 Calculus III	4
LIT 2000 Intro to Literature	3
Non-Appl Fine Art	3
EGN 2009 Intro to Engr II	2
<b>Semester Total</b>	<b>17</b>

### 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>
<b>Semester Total</b>	<b>14</b>

### Summer(after semester 6)

EEL 4712C Digital Design	<u>4</u>
<b>Semester Total</b>	<b>4</b>

### Semester 7

EEL 4713 Digital Computer Arch	3
EEL 4713L Digital Computer Arch Lab	1
COP 3503 Computer Science II	3
EEL 4657C Linear Control Syste	4
EEL 4914 Senior Design I	1
Technical elective*	<u>3</u>
<b>Semester Total</b>	<b>15</b>

### \*Technical Electives (8hrs)

EEE 4396 Solid Ste Elec Devic	3
EEL 3211 Intro to Electric Machines	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
EEL 3472 Electromag Flds Appl	3
EEL 4750/L Intro Dig Sig Proc/DSP Lab	4
EEL 4905 Individual Study	1-3
EEL 4949 Co-op Work Experience	0-1
EEE 4310 Digital Integrated Circuits	3

### Semester 2

PHY 2048/L Univ. Physics I w/ Lab	5
ENC2210/2930 Tech Writing/ST in Comp:Eng	3
MAC 2312 Calculus II	4
PHI 2630 Contpm Ethic Iss	3
EGN 1001 Intro to Engr I	<u>2</u>
<b>Semester Total</b>	<b>17</b>

### Semester 4

MAP 2302 Differential Equations	3
COP 2220 Computer Science I	3
Cultural Diversity	3
EGN 3311 Statics	3
Social Science	<u>3</u>
<b>Semester Total</b>	<b>15</b>

### TOTAL LOWER LEVEL

**63**

### Semester 6

EEE 4309C Electronic Circuits 2	4
EEL 3135 Signals and Systems	3
EEL 3889C Embedded Systems	3
EEL 4744C Microcontroller Appli	<u>4</u>
<b>Semester Total</b>	<b>14</b>

### Semester 8

COP 3530 Data Structures	4
Technical elective*	5
EEL 4915 Elec Engr Design II	3
**Non Electrical TE	<u>3</u>
<b>Semester Total</b>	<b>15</b>

### TOTAL UPPER LEVEL

**65**

### Technical Electives (cont.)

EEL 4610 State-Space Control Systems	3
EEE 4314L Advanced Electronic	<u>2</u>
EEL 4514 Communication Systems	3
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
EEL 4905 Individual Study	1-3
EEL 4930 Special Topics in EE	3
EEL 4931 Special Topics in EE	1-4

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