

Microelectronics / Industrial Electronics - 2006/2007

<i>TERM 1 is offered Fall and Winter</i>		<i>CREDIT HOURS</i>
WR121	English Composition - Exposition	3
DRF101	Basic CAD for Electronics	2
ELT131	Electronic Concepts I	4
ELT111	Electronics Orientation	1
MT110	Microelectronics	3
MTH111 or MTH081	College Algebra	<u>4-5</u>
		<u>17-19</u>
<i>TERM 2 is offered Winter and Spring</i>		
ELT132	Electronic Concepts II	4
ELT141	Transistor Fundamentals	5
ELT151	Digital Fundamentals	4
MTH112 or MTH082	Trigonometry	<u>4-5</u>
		<u>17-18</u>
<i>TERM 3 is offered Spring and Summer</i>		
WR227	Technical Writing	3
ELT133	Electronic Concepts III	4
ELT142	Semiconductor Devices	3
ELT143	Pulse Circuit Fundamentals	3
ELT161	Linear IC Fundamentals	<u>4</u>
		<u>17</u>
<i>TERM 4 is only offered Fall only</i>		
SP111	Fundamentals of Public Speaking	3
FE205B	Resumes and Job Search	1
ELT244	Electronic Circuit Analysis	4
ELT252	Digital Circuit Applications	3
ELT121 or CS133J	Programming Concepts I	4
PH201 or PH081	Applied Physics	<u>4-5</u>
		<u>19-20</u>
<i>TERM 5 is only offered Winter only</i>		
ELT253	Microcomputer Systems	5
ELT262	Linear IC Applications	3
PH202 or PH082	Applied Physics	4-5
	Approved Technical Electives*	<u>3</u>
		<u>15-16</u>
<i>TERM 6 is only offered Spring only</i>		
ELT291	Advanced Industrial Electronics	4
PSY104	Psychology for the Workplace	3
	Approved Technical Electives*	<u>9</u>
		<u>16</u>

All students in Electronics must have a Pentium class compatible computer.

*** APPROVED TECHNICAL ELECTIVES**

CH121 and CH122R, or CH201	College Chemistry	4-5
DRF251	Power Transmission Designs	3
ELT293	Flexible Manufacturing Systems	3
ELT254	Computer Hardware	4
ELT283	Logical Troubleshooting	5
MT221	Fluid and Vacuum Systems	4
MT223	High Vacuum Technology	3
MT227A	Pneumatics and Hydraulics Fundamentals	3
MTH243	Probability and Statistics	4

ELECTRONICS ADVISORS/STAFF

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OTHER

You must get a C or better in all required classes to graduate.