



CAMPUS: STANTON
DEPARTMENT: Electronics/Electrical Engineering Technology

RECOMMENDED COURSE SEQUENCE SHEET
Effective: 2002-01

Name: _____ No pre-tech requirements MAT 005
 SSN: _____ RDG 005 MAT 012
 Academic Advisor: _____ ENG 005 RDG 051 MAT 015
 Matriculation Date: _____ ESL ENG 051 RDG 120 MAT 075

* RDG 120, Critical Reading and Thinking, will be a required course unless the student attains a specific minimum score on the College Placement Test.

Curriculum: **ELECTRONICS/ELECTRICAL ENGINEERING TECHNOLOGY**
OPTION: **ELECTRONICS**

Curriculum Code Designation: **ELC/ELR**

COURSE NUMBER AND TITLE	C L	L	CR	SEMESTER		G R	PREREQUISITES	CO- REQ.
				Offered	Completed			
FIRST SEMESTER								
*RDG-120 Critical Reading and Thinking	(3)	(0)	(3)	Fall				
*ELC-118 Introduction to Electricity or	(2)	(2)	(3)	Fall				MAT-075
ELC-120 Introduction to Circuit Analysis	4	2	5	Fall				MAT-181
MAT-181 Algebra and Trigonometry I	4	0	4	Fall			* Placement test or MAT-075	
ENG-121 Composition	3	0	3	Fall			* Placement test or RDG 051 & ENG 051	
COM-111 <u>Approved</u> Humanities Elective	3	0	3	Fall				
TOTAL	14	2	15					

SECOND SEMESTER								
ELC-119 DC & AC Theory or	(2)	(0)	(3)	Spring			ELC-118	MAT-181
ELC-121 Network Analysis	4	2	5	Spring			ELC-120 or (ELC-118; ELC-119)	MAT-182
ELC-130 Digital Electronics I	3	3	4	Spring			MAT-181; ELC-120; or ELC-118	
MAT-182 Algebra & Trigonometry II	4	0	4	Spring			MAT-181	
ELC-110 Technical Computer Applications	2	2	3	Spring			ELC-120	ELC-121
TOTAL	13	7	16					

THIRD SEMESTER								
ELC-220 Analog Electronics I	4	2	5	Fall			ELC-121; MAT 182	
PHY-271 Electricity & Magnetism	3	2	4	Fall			MAT-181	
ENG-122 Technical Writing/Communications	3	0	3	Fall			ENG-121	
MAT-2XX Math Elective	4	0	4	Fall			MAT-182	
ELC-131 Digital Electronics II	3	3	4	Fall			ELC-130	
TOTAL	17	7	20					

FOURTH SEMESTER								
ELC-230 Industrial Electronics	3	3	4	Spring			ELC-220	
ELC-221 Analog Electronics II	4	2	5	Spring			ELC-220	ELC-131
ELC-232 Introduction to Microprocessors	3	3	4	Spring			ELC-110; ELC-131; ELC-220	
ELC-240 Machines & Controls	2	2	3	Spring			ELC-121; ELC-130	
PSY-121 <u>Approved</u> Humanities Elective	3	0	3	Spring				
TOTAL	15	10	19					
GRAND TOTAL			70					

Taking **both** ELC 118 and ELC 119 results in credit for ELC 120
 Only Bob Gilligan or an Electronics advisor may register a student
 for ELC 120. MAT 185 is equivalent to taking for MAT 181 and MAT 182.

Math Elective (choose one)
 MAT-271 Probability and Statistics
 MAT-281 Calculus I

NOTE: * Placement Test