



CAMPUS: STANTON

DEPARTMENT: Electronics and Computer Engineering Technology

Effective: 2008-51

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

OPTION: Instrumentation Engineering Technology

Curriculum Code Designation: ECNAASINE

COURSE NUMBER AND TITLE	CL	L	CR	Offered	Completed	GR	PREREQUISITES	CO-REQ.
FIRST SEMESTER								
CEN-100 Intro-Computer&Electrical Engineering Technology	1	2	2	Fall			Placement test or MAT012, ENG051, RDG051	
CEN150 Computer Assembly & Maint.	3	2	4	Fall			MAT015,RDG051 or placement test	
ELC-118 Introduction to Electricity or	(2)	(2)	(3)	Fall			Placement test CPT or MAT 015 or MAT 016 and required score on CPT or RDG 051 or RDG 120	MAT075
ELC-120 Introduction to Circuit Analysis	3	3	4	Fall Spring			Placement test CPT or MAT 075 and required score on CPT or RDG 051 or RDG 120	MAT181
ENG-121 Composition	3	0	3	Fall			Placement Test or RDG-051 & ENG051	
MAT-181 Algebra & Trigonometry I	4	0	4	Fall			Placement Test or MAT-075	
TOTAL	14	7	17					
SECOND SEMESTER								
ELC-101 Electricity and Instrumentation	2	2	3	Spring			Placement test CPT or MAT 015 or MAT 016 and required score on CPT or RDG 051 or RDG 120	
(ELC-119 DC & AC Theory)	(2)	(2)	(3)	Spring			ELC118, MAT181	MAT181
ELC-121 Network Analysis	3	3	4	Spring			ELC120 or (ELC 118; ELC 119)	MAT182
ELC-130 Digital Electronics I	3	3	4	Spring			Placement test CPT or MAT 015 or MAT 016 or MAT 075 and required score on CPT or RDG 051 or RDG 120	ELC118 or ELC120
MAT-182 Algebra & Trigonometry II	4	0	4	Spring			MAT181	
PHY-171 Physics I	3	2	4	Spring			MAT181	
TOTAL	15	10	19					
THIRD SEMESTER								
CEN-105 Programming for Technology	2	2	3	Fall			ELC120 or ELC118	ELC118
ELC-131 Digital Electronics II	3	3	4	Fall			ELC130	
ELC-220 Analog Electronics I	3	3	4	Fall			ELC121; MAT182	
ELC-270 Process Instrumentation I	3	2	4	Fall			ELC-101, PHY171	
ENG-122 Technical Writing/Communications	3	0	3	Fall			ENG121	
TOTAL	14	10	18					
FOURTH SEMESTER								
ELC-215 Introduction to PLCs	3	2	4	Spring			ELC120, ELC130, MAT181	
ELC-232 Introduction to Microprocessors	3	3	4	Spring			CEN105, ELC131,CIS120	
MAT-2xx math elective(see below)	4	0	4	Spring			MAT182	
XXXX Humanities Elective(see below)	3	0	3	Spring			Placement test or RDG 051 & ENG 051	
XXXX Humanities Elective(see below)	3	0	3	Spring			Placement test or RDG 051 & ENG 051	
TOTAL	16	5	18					
GRAND TOTAL	59	33	72					

Taking **both** ELC 118 and ELC 119 results in credit for ELC 120

MAT 185 is equivalent to taking for MAT 181 **and** MAT 182.

Humanity Electives(choose two)

- COM-111 ECO111 ECO-122 SOC-222
- POL-111 PSY-100 PSY-121
- PSY-122 PSY-123 SOC-111

Math Elective(choose one)

- MAT-261 Business Calculus I
- MAT-281 Calculus I
- MAT263 Principles of Discrete Math