

# Electrical Technology: Electronics and Computer Systems, A.A.S. Fall 2010

Student's Name:	Advisor's Name:
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<b>Student needs to take the following courses:</b>	<input type="checkbox"/> ENGL 099 - Basic Writing Skills <input type="checkbox"/> MATH 090 - Developmental Math <input type="checkbox"/> MATH 095 - Beginning Algebra <input type="checkbox"/> RDNG 099 - Reading & Vocabulary Skills Development <input type="checkbox"/> RDNG 116 - College Reading and Study Skills <b>Other Coursework Needed - See Below</b> <input type="checkbox"/> MATH 100 - Intermediate Algebra
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Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T-Transfer	Semester Completed
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**FIRST YEAR**

**FALL**

DRAF 107	Engineering Graphics	2			
ELEC 121	Digital Electronics I	3			
ELEC 126	Basic Electricity	4			
ENGL 100	Academic Writing I*	3	C		
MATH 122 <b>OR</b> MATH 132	Technical Mathematics <b>OR</b> College Algebra & Trigonometry**	3			

**Total Credits** **15**

**SPRING**

CSCI 160	Introduction to Computer Programming	3			
ELEC 127	Circuit Analysis	4			
ELEC 130	Electronic Devices & Circuits	4			
ENGL 101	Academic Writing II*	3			
MATH 135	Precalculus Mathematics	3			

**Total Credits** **17**

**SECOND YEAR**

**FALL**

ELEC 207	Fabrication Techniques	2			
ELEC 222	Digital Electronics II	4			
ELEC 233	Linear Integrated Circuits	4			
PHSC 104	General Physics I	4			
SUNY GEN ED Social Sciences Elective		3			

**Total Credits** **17**

**SPRING**

ELEC 223	Microcontroller Fundamentals	4			
ELEC 240	Computer Applications for Data Acquisition and Control	4			
ENGL 201 <b>OR</b> ENGL 204	Fundamentals of Speech <b>OR</b> Fundamentals of Interpersonal Communication	3			
Restricted Elective***		3-4			
SUNY GEN ED Humanities Elective****		3			

**Total Credits** **17-18**

**Semester Credits Required for Graduation: 66-67**      *See back page for SUNY General Education and Liberal Arts & Sciences Disciplines/Courses*

\* A student exempted from ENGL 100 must complete ENGL 101 and ENGL 103.  
 \*\* MATH 122 is strongly recommended.  
 \*\*\* Students planning to transfer to a BSET program should complete MATH 201, Calculus I, or CSCI 165, Computing Fundamentals I; students planning to work in the field after completion of the program should complete three 1-credit CAPS courses.  
 \*\*\*\* Select an approved course that meets SUNY GEN ED area 7-Humanities, 8-The Arts (except ART 109, 110, 111, 115, 120, 130 and ENGL 105), or 9-Foreign Language.

**Notes:**
