SOUTHERN UNIVERSITY AND A & M COLLEGE



ADVISEMENT & GRADUATION CHECKOUT PROCEDURES

College of Engineering Electronics Engineering Technology Department

http://www.subr.edu/index.cfm/page/1320

2010-2014 Catalog

Greetings and welcome to the Department of Electronics Engineering Technology (EET) at Southern University, Baton Rouge. We hope that your association with us will prove to be interesting, challenging, and profitable. We strive to provide you with necessary information to make your stay here a pleasant experience. All of the faculty and staff are here to serve you and they are consistently available to help you.

In the brief discussions presented below, you will find registration and advisement procedures that will assist in navigating you throughout your matriculation, as well as an application form to apply for graduation, and a list of checkout procedures. Please remember that the information provided here is not an exhaustive list of rules, regulations, and requirements. The Southern University Catalog for the Baton Rouge campus is the definitive rulebook for all aspects of your matriculation. You are required to review and keep abreast of its contents, with emphasis on the section entitled **Enrollment Privileges and Responsibilities**. This section includes information that is applicable to you as a student and that may affect several aspects of your graduation requirements.

I. Academic Advisement

The primary purpose of academic advisement is to assist students in successfully completing the degree requirements associated with their electronics engineering technology program. This includes counseling students on issues pertaining to:

- > Understanding institutional support services available to them,
- > Understanding institutional policies and procedures,
- Development of educational plans,
- > Selection of appropriate courses and other educational experiences, and
- Evaluation of progress toward fulfilling graduation requirements.

Student Transfer from University College ~ Students who are interested in majoring in Electronics Engineering Technology (EET) must satisfy the requirements needed to exit from the University College and, subsequently, satisfy the admission requirements for entering the college of engineering. To be admitted to the College of Engineering (COE), students must have:

- 1. Qualified to officially exit from University College.
- 2. Completed a minimum of 24 hours for electronic engineering technology majors with a GPA of 2.0/4.0 or better if they desire to major in electronics engineering technology
- 3. Earn a "C" or better in each of the following courses:

English (6 hours): ENGL (_____110,____111)

Mathematics (3 hrs): MATH (_____135)

Sciences (11 hours): BIOL (_____104 or ____) CHEM (____112, ____132) PHYS (_____141)

Engineering (4 hours): ENGR (_____ 120, ____130) and passing of Writing Proficiency Exam.

Applicants who satisfy entry requirements 1 and 2, but have not adequately passed all courses cited in entry requirements 3, can be "Conditionally Admitted". This action is contingent upon applicants enrolling at the next opportunity in each missing course cited and earning a "C" or better. Until this requirement is fully meet, Applicants will be denied permission to continue taking engineering courses beyond this point.

Applicants wishing to request admission to the COE under the entry requirements cited above should send a copy of the COE Entry Evaluation Form (see next page) filled out and signed by a representative from University College, then submit it the Associate Dean for approval and certification.

Rev	vised 11/2008 COLLEGE OF ENGINEERING SOUTHERN UNIVERSITY AND A&M COLLEGE ENTRY EVALUATION FORM
Name:	Student ID: / Date:/
Start D	Pate at SUBR: / (SMF) ACT/SAT Scores: / / / / / Year Semester English Math Reading Sciences Composite Other Colleges: Locations:
Major (CE EE EET ME) Total Curriculum Credit Hours: GPA:
I.	Admission Requirements Successfully Completed (26 Hours): (T = indicates transfer credit)
	a. For Engineering Majors (26 hours) English (6 hours): ENGL (110,111) Mathematics (4 hrs): MATH (264) Sciences (12 hours): BIO (104or105) CHEM (112,132)PHYS (221) Engineering (4 hours): ENGR (120,130) or (MEEN120, CIEN130)
	 b. For Electronics Engineering Technology Majors (24 hours) <i>English</i> (6 hours): ENGL (110,111) <i>Mathematics</i> (4 hrs): MATH (135) <i>Sciences</i> (11 hours): BIOL (104 or105) CHEM (112,132) PHYS (141) <i>Engineering</i> (4 hours): ENGR (120,130) or (MEEN120, CIEN130)
П.	The student is DEFICIENT in the following requirements for admission into the College of Engineering:
	 Applicant HAS NOT EARNED a "C" or better in the following required courses: MATH 264 (Calculus I) MATH 135 (Pre-Calculus I) PHYS 141 (Elements of Physics) PHYS 221 (General Physics I) ENGR 130 (Freshman Engineering I) ENGR 130 (Freshman Engineering II)
	bApplicant HAS NOT EARNED the required MINIMUM GPA for at least 26 credit hours. (i. e., 2.2/4.0 required for Civil, Electrical, or Mechanical engineering majors OR 2.0/4.0 for EET majors).
UNIVE	RSITY COLLEGE CERTIFICATION:
l the data	e undersigned do hereby declare that the student cited above has qualified to officially exit the University College and that the shown accurately represent the student's performance to-date.
	University College Evaluator Date
	College of Engineering Evaluator Only
١١.	Your petition for admission to the College of Engineering is:
	APPROVED DENIED
_	CONDITIONALLY APPROVED:
W in ha tal	hile under this status, the Applicant MUST enroll in ALL courses that are checked above in Section II and earn a "C" or better each. Until this is done, the Applicant will not be allowed to take additional engineering courses . When the Applicant is satisfactorily completed ALL the cited courses, he/she will be "Fully Approved" for admission into the CoE and be allowed to ke additional engineering courses.
	College of Engineering Evaluator Date

Academic Advisement Procedures ~ The academic advisement procedures that are established in the EET department include the following components:

1. All students admitted to the EET program are assigned to an academic advisor on an alphabetical basis. In addition, all transfer students are *initially* assigned to a the chair, who will be responsible for identifying courses previously taken by students at other institutions that can be transferred as equivalent to appropriate courses in the EET curriculum.

Table -1 depicts the assignment of Electronics Engineering Technology academic advisors via the first letter of students' last name. Once the transfer course equivalencies have been established for a given student, he/she will then be assigned to an academic advisor according to this table. Furthermore, all prospective graduates of the EE department are first advised by their academic advisor and then by the department's chairperson.

STUDENT'S LAST NAME BEGINNING WITH	ACADEMIC ADVISOR	OFFICE ROOM
A-I	Dr. Abolfazl Amini	Pinchback # 417
J-Q	Prof. Walter Craig	Pinchback # 421
R-Z	Dr. Davoud Arasteh	Pinchback # 429
All Transfer Students	Dr. Abolfazl Amini and selected advisors	Pinchback # 417
Final check-out of graduating seniors	Dr. Hamid Majlesein, Professor and Chair	Pinchback # 411

Table -1 Electronics Engineering Technology Academic Advisors

- 2. Academic advisors provide students with information and guidance concerning the EET program and they also approve students' schedules of classes throughout their matriculation in the program. All EET students are required to meet with their academic advisor early during registration periods; wherein they complete a Registration Advisement Form that acknowledges each advisement encounter. This form is attached to the set of procedure forms given to each student. It should be noted that all students must first be cleared by their assigned academic advisor before being authorized to engage in regular registration, cross-registration, or telephone registration activities.
- 3. All EET students are required to meet with their academic advisors **at least once during a semester** to discuss their individual progress toward earning the Bachelors of Science degree in Electronic Engineering Technology.
- 4. Academic advisors will make every effort to counsel their advisees regularly, with special attention being focused on those students with a poor academic performance. A meeting should be set immediately following the publication of mid-term grades with advisees who have critical GPA-related problems.

- 5. All EET students are required to satisfy course prerequisites as outlined in the description for required courses. All students are required to take one course which satisfies African American Experience.
- 6. Students are to select a curriculum path and then faithfully follow the inherent graduation requirements. They may choose to adhere to the catalogue in force during the year they began their matriculation at Southern University or any subsequent catalog issued thereafter provided their SU education was not interrupted for more than a semester.
- 7. The academic advisor will use a department "Degree Requirements Record Form" that is based on the appropriate curriculum taken from the catalog that a student chooses to use as the basis for graduation checkout.
- 8. The department will maintain an accurate master file for all students enrolled in the EET program. These files will include transcripts, grade reports, and schedules of classes, personal data, a degree requirements record form, and other appropriate academic documents.
- Each academic advisor will maintain an accurate list of his/her advisees and will have access to the BANNER Data Entry system that contains authoritative proof of students' complete academic record.

To facilitate a university-wide advisement process, strong collaborative procedures have been developed and implemented in cooperation with the faculty and staff of the University College, which are mainly responsible for entry student advisement. All engineering faculty and students are also encouraged to participate in the University-wide Mentorship Program.

The computerization of advisement at the University has been very successful. Using their Social Security Number and an assigned PIN, students can logon to the Southern University JAGNET/Banner Website http://web.subr.edu/index.php?id=1681 and access their records under the menu for Self-Service Banner. The computerized academic advisement system offers such access services as on-line academic records, class schedule, student demographic data, degree curricula, interactive registration, degree audits, course descriptions, and course prerequisites. Once having accessed the Self-Service Banner page, merely "clicking" on the desired activity and following user-friendly instructions will yield the information sought in students' inquiries. The latest changes in using this system can be obtained at the beginning of each semester in the Southern University "Class Schedule & Student Registration Bulletin." This system has greatly improved academic planning throughout students' matriculation.

Southern University College of Engineering Electrical Engineering Department

REGISTRATION ADVISEMENT FORM

Student's Name:	
Student's SSN:	
Semester:	
Date:	

Discussion Points:

RECOMMENDED COURSES

Course Title	Course No.	Hours	Section	Time	Instructor

TOTAL HOURS RECOMMENDED: _____

Comments:

Note:

The signatures below verify that I have had an advisement conference with my faculty advisor concerning courses I should take during the semester indicated. My advisor has approved the courses listed on the registration form.

Student Signature

Advisor Signature

2010-2014 Catalog

Last

Proposed Date of Graduation ____/ ____/

MI

Student's Name:

SSN: _____- Advisor: _____

Second Semester

FRESHMAN	YEAR
----------	-------------

First

First Semester

Course	Dept	No	Cr	Gr	Sem/ yr
Freshman Comp	ENGL	110	3		
General Chem Lab	CHEM	112	1		
Freshman Engr. I	ENGR	120	2		
General Chem Lec.	CHEM	132	3		
Pre-Calculus Math I	MATH	135	3		
Elements of Physics	PHYS	141	4		
Total			16		

Course	Dept	No	Cr	Gr	Sem/ yr
Freshman Composition	ENGL	111	3		
Freshman Engr. II	ENGR	130	2		
Pre-Calculus Math II	MATH	140	3		
Elements of Physics	PHYS	142	4		
DC CKT Analysis	EENT	110	3		
DC CKT Analysis Lab	EENT	111	1		
Total			16		

SOPHOMORE YEAR

First Semes	ter				
Course	Dept	No	Cr	Gr	Sem/ yr
AC CKT Analysis Lec	EENT	210	3		
AC CKT Analysis Lab.	EENT	211	1		
Electronics CKT Lec.	EENT	212	3		
Electronics CKT I Lab	EENT	213	1		
Tech Communication	ENGR	230	2		
Calculus I	MATH	264	4		
Life Science Elective	BIOL		3		
Total			17		

Second Semester					
Course	Dept	No	Cr	Gr	Sem/ yr
Electronic CKT II Lec	EENT	216	3		
Electronic CKT II Lab.	EENT	217	1		
Digital Logic Design Lec	EENT	220	3		
Digital Logic Design Lab	EENT	221	1		
Calculus II	MATH	265	4		
Health/PhEd Elective			2		
History Elective	HIST		3		
Total			17		

					••••••
First Semest	er				
Course	Dept	No	Cr	Gr	Sem/ yr
Microprocessor Lec	EENT	316	3		
Microprocessor Lab	EENT	317	1		
Fund Signals & Data Proc	EENT	370	3		
Fund Signal & Data Lab	EENT	371	1		
Digital Communications	EENT	390	3		
Digital Comm. Lab.	EENT	391	1		
History Elective	HIST		3		
Total			15		

JUNIOR YEAR

Second Semester

Second Semester

Course	Dept	No	Cr	Gr	SM/ Yr
Economics	ECON	205	3		
Electrical Machinery Lec.	EENT	360	З		
Electrical Mach. Lab.	EENT	361	1		
Statistics for Engineer	ENGR	320*	2		
General Tech Elective			3		
Social Science Elective			3		
Total			15		

First Semester	•				
Course	Dept	No	Cr	Gr	Sem/ yr
Engineering Seminar	ENGR	400	1		
Comp Networking Lec	EENT	480	3		
Comp Networking Lab	EENT	481	1		
Sr. Elect. Design Project I	EENT	494	2		
Electronics Elective	EENT		3		
Arts Elective			3		
English Literature Elect	ENGL	203^	3		
Total			16		

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Gr	Sem/ Yr
African American Experience	ENGL	203^	3		
Service Learning	SVLR	400 or 100, 200 & 300	3		
Writing Proficiency	ENGL	001	0		
Dept. Comp Exam	EENT	000	0		

*Math 276 may be taken in place of ENGR 320.

^ Satisfies both requirements

SENIOR YEAR

Course	Dept	No	Cr	Gr	Sem/ yr
Control System Tech	EENT	450	3		
Programmable Logic Controllers	EENT	460	3		
Comp Security & Data Protection	EENT	486	3		
Sr Elect Design Project II	EENT	496	2		
Communication Elective	EENT		3		
Total			14		

Faculty Advisor: Date:
Dept. Chair: Date:
Academic Dean:
Date:

Spring 2009- Spring 2010 Catalog Proposed Date of Graduation

____/ _____/ _____

Student's Name: _____

	Last	FI	rst		IMI	
First Semes	ster			FRI	ESHMAN `	YEA
Course	Dept	No	Cr	Gr	Sem/ yr	
Freshman Comp	ENGL	110	3			
General Chem Lab	CHEM	112	1			
Freshman Engr. I	ENGR	120	2			
General Chem Lec.	CHEM	132	3			
Pre-Calculus Math I	MATH	135	3			
Elements of Physics	PHYS	141	4			
Total			16			

NR	Second Sen	nester			
Course	Dept	No	Cr	Gr	Sem/ yr
Freshman Composition	ENGL	111	3		
Freshman Engr. II	ENGR	130	2		
Pre-Calculus Math II	MATH	140	3		
Elements of Physics	PHYS	142	4		
DC CKT Analysis	EENT	110	3		
DC CKT Analysis Lab	EENT	111	1		
Total			16		

____ SSN: ____-___ Advisor: _____

First Ser	nester				SOPHOM	ORE YEAR	Second	Semest	er		
Course	Dept	No	Cr	Gr	Sem/ yr	Course	Dept	No	Cr	Gr	Sem/ yr
AC CKT Analysis Lec	EENT	210	3			Electronic CKT II Lec	EENT	216	3		
AC CKT Analysis Lab.	EENT	211	1			Electronic CKT II Lab.	EENT	217	1		
Electronics CKT Lec.	EENT	212	3			Digital Logic Design Lec	EENT	220	3		
Electronics CKT I Lab	EENT	213	1			Digital Logic Design Lab	EENT	221	1		
Tech Communication	ENGR	230	2			Calculus II	MATH	265	4		
Calculus I	MATH	264	4			Health/PhEd Elective			2		
History Elective	HIST		3			History Elective	HIST		3		
Total			17			Total			17		

First Sem	lester				JUNIOR Y	E	AR Secor	d Semeste	r			
Course	Dept	No	Cr	Gr	Sem/ yr		Course	Dept	No	Cr	Gr	Sem/ yr
Microprocessor Lec	EENT	316	3				Economics	ECON	205	3		
Microprocessor Lab	EENT	317	1				Electrical Machinery Lec.	EENT	360	3		
Statistics for Engr	ENGR	320**	2				Electrical Mach. Lab.	EENT	361	1		
Fund Signals & Data	EENT	370	3				Digital Communications	EENT	390	3		
Process Lec							Digital Comm. Lab.	EENT	391	1		
Fund Signal & Data Lab	EENT	371	1				Life Science Elective	BIOL		3		
Electronics Elective	EENT		3				Humanities Elective			3		
English Lit. Elective	ENGL		3									
Total			16				lotal			17		

	First Sem	nes	ster						SENIOR Y
Course			Dept	Ν	0	Cr	Ċ) F	Sem/ yr
Engineering Se	eminar		ENGR	40	00	1			
Comp Networki	ng Lec		EENT	48	30	3			
Comp Network	ing Lab		EENT	4	81	1			
Sr Elect. Design	n Project I	I	EENT	49	94	2			
Communication	Elective		EENT			3			
Social Science	Elect					3			
Arts Elective						3			
Total						16			
OTHER REQUIR	S:								
Course	Dept	Ν	lo		Cr	Grd		Sei	m/Yr
African	ENGL	2	203*		3				
American									
Experience									
Service	SVLR	4	00 or 100),	3				
Learning		2	200 & 300)					
Writing	ENGL	С	01		0				
Proficiency									
Dept. Comp Exam	EENT	С	000		0				

۲ I	Έ	AR	Second	Semester				
		Course		Dept	No	Cr	Gr	Sem/ yr
		Control System Tech	า	EENT	450	3		
		Comp Security & Da	ita	EENT	486	3		
		Protection						
		Sr Elect Design Proj	ect II	EENT	496	3		
		General Technical e	lect			3		
_		Programmable	Logic	EENT	460	3		
		Controllers	-					
		Total				15		

* ENGL 203 Satisfies both requirements.

** Students may select MATH 276 as an alternate.

Faculty Advisor:	
Date:	
Dept. Chair:	
Date:	
Academic Dean:	
Date:	

2006-2008 Catalog

Proposed Date of Graduation ____/ ____/

Student's Name:				,				SSN:	A	dviso	r:			
	Las	t		, _	First									
First Semester					F	RES	IMA	N YEAR		Se	cond	Seme	ster	
Course	Dept	No	Cr	Grd	Sem	Yr		Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Comp.	ENGL	110	3					Freshman Composition	ENGL	111	3			
Fresh. Engineering I	ENGR	120	2					Fresh. Engineering II	ENGR	130	2			
Pre-Calculus Math I	MATH	135	3					Pre-Calculus Math II	MATH	140	3			
Elements of Physics	PHYS	141	4					Elements of Physics	PHYS	142	4			
General Chem Lec.	CHEM	132	3					Life Science Elective			3			
General Chem Lab	CHEM	112	1					History Elective	HIST		3			
Total			16					Total			18			
First Somestor						SUDI					Saaar	d Som	otor	
Course	Dent	No	Cr	Grd	Som				Dent	No	Cr	Grd	Som	Vr
DC CKT Analysis Los	FENIT	110	3	Giù	Jen	11	-	AC CKT Analysis Leo	FENIT	210	3	Giù	Jen	11
DC CKT Analysis Let	FENT	111	1		+		-	AC CKT Analysis Let	FENT	210	1		<u> </u>	1
Electronice CKT I		212	3		+	-	-			211	3		<u> </u>	
Electronics CKT Lob L		212	3				-			210	3			
Technical Comm		213	2					Digital Logia Design Log		217	2			
		230	2					Digital Logic Design Lec		220	3			
		204	4				-			221	1			
Total	101		3						IVIATI	200	4			
Total			17	1				10141			10			
First Somostor								ΈΔΡ.			Sacar	d Som	octor	
Course	Dont	No	Cr	Grd	Som	Vr	ĭ.		Dont	No	Cr	Grd	Som	Vr
Microprocessor Loo	БЕИТ	216	2	Giù	Sem		-	Economico	ECON	205	2	Giù	Sem	11
Microprocessor Lec		217	1				-	Eloc Machinery Loc	ECON	200	3			
Statistics for Engineer		320**	2				-	Elec Machinery Lec		361	1			
Fund Signal & System		320	2				-	Comp. Systems Tach		280	2			
Fund Signale Sve Lab	EENT	371	1				-	Digital Comm. Systems	EENT	300	3			
Flectronic Tech Elect	EENT	571	3				-	Digital Comm. Systems	EENT	301	1			
Electronic rech Elect	ENGL*		3				-	Health/PE Elective		531	2			
Total	LINGL		16								16			
Total			10	I				Total			10			
First Somostor						SENI		ΈΔR			Secor	nd Seme	octor	
Course	Dent	No	Cr	Grd	Sem	Vr	ĭ.	Course	Dent	No	Cr	Grd	Sem	Vr
Engineering Seminar	ENGP	400	1	Giù	Com		-	Control System Tech	FENT	450	3	Giù	John	
Comp Networking Leo	FENT	480	3		1		-	Comp Security & Data	FENT	486	3			-
Comp Networking Let	FENT	481	1				-	Protection		-00				
Sr Elec Dean Project I	FENT	494	2				-	Sr Elect Dsgn Project II	FENT	496	3	1	<u> </u>	
Comm Tech Flect	FENT	-34	3				-	General Tech Flective			3	1		
Social Science Flect			3				-	Humanities Elective		+	3	1	<u> </u>	
Arts Flective			3				-	Total		1	15			
Total			16				-	, otal			10	1	1	<u> </u>
							-							
OTHER REQUIRE	EMENTS	S:						APPROVE	ED:					
Course	Dept	Co. No)	Cr	Grd	Sem	Yr	Faculty Advisor	r:					
African American		1		3	1	1		Date:						
Evnerience	*			Ŭ										
	0.4 5	400	400	-	+	+		Dept. Chair:						

Date:

Date:

Academic Dean: _____

Experience	Ŷ				
Service Learning	SVLR	400 or 100,	3		
		200 & 300			
Writing Proficiency	ENGL	001	0		
Dept. Comp Exam	EENT	000	0		

* ENGL 203 Satisfies both requirements.

** Students may select MATH 276 as an alternate.

Notes:_

2004-2006 Catalog

Proposed Date of Graduation ____/ ____/

Student's Name:								SSN: -	. /	Adviso	r:			
	Last			/	First		N	лі — — — — — — — — — — — — — — — — — — —						
First Semester					F	RESH	IMA	N YEAR		Se	cond	Seme	ster	
Course	Dept	No	Cr	Grd	Sem	Yr		Course	Dept	No	Cr	Grd	Sem	Yr
Intro to Engr & Tech	MEEN	120	3					DC CKT Analysis I	EENT	110	3			
Pre-Calculus Math I	MATH	135	3					DC CKT Analysis Lab	EENT	111	1			
Fresh. Composition	ENGL	110	3					Pre-Calculus Math II	MATH	140	3			
Life Science Elec			3					Freshman Composition	ENGL	111	3			
General Chem Lec.	CHEM	132	3					Elements of Physics	PHYS	141	4			
General Chem Lab	CHEM	112	1					Engr Prog & Comm	CIEN	130	3			
Total			16					Total			17			
First Semester					:	SOPH		ORE YEAR			Secor	nd Seme	ester	
Course	Dept	No	Cr	Grd	Sem	Yr		Course	Dept	No	Cr	Grd	Sem	Yr

Course		Dept	No	Cr	Grd	Sem	Yr	Course	Dept	No	Cr	Grd
AC CKT Analys	sis	EENT	210	3				Electronics CKT II	EENT	216	3	
DC CKT Analys	sis Lab	EENT	211	1				Electronics CKT II Lab	EENT	217	1	
Electronics CK	ΤI	EENT	212	3				Digital Logic Lecture	EENT	220	3	
Electronics CK	T Lab	EENT	213	1				Digital Logic Lab	EENT	221	1	
Elements of Ph	iysics	PHYS	142	4				Adv. Ckt. Analysis	EENT	230	3	
Calculus I		MATH	264	4				Calculus II	MATH	265	4	
Total				16				Total			15	

First Semester						JUNI	OR YEAR			Secon	d Seme	ester	
Course	Dept	No	Cr	Grd	Sem	Yr	Course	Dept	No	Cr	Grd	Sem	Yr
Analog Comm Lec	EENT	310	3				Linear Integrated Ckt	EENT	314	3			
Analog Comm Lab	EENT	311	1				Linear Integrated Ckt Lab	EENT	315	1			
Microprocessor Lec	EENT	316	3				Fund Signal & Data Proc	EENT	370	3			
Microprocessor Lab	EENT	317	1				Signal & Data Lab	EENT	371	1			
Elec Machinery Lec	EENT	360	3				Tech Elect and Lab	EENT		4			
Elec Machinery Lab	EENT	361	1				Health/PE			2			
Statistics for Engrs	CIEN	313**	2				Comp Asbly, Main, & Repair	EENT	380	3			
History Sequence	HIST		3				Asbly, Main, & Repair lab	EENT	381	1			
Total			17				Total			18			

First Semester						SENI	R YEAR			Secor	d Seme	ester	
Course	Dept	No	Cr	Grd	Sem	Yr	Course	Dept	No	Cr	Grd	Sem	Yr
Sr Elec Design Project	EENT	494	2				Control System Tech	EENT	450	3			
1							Arts Elective			3			
Elec CKT Analysis & Design	EENT	404	3				Humanities Elective			3			
History Sequence	HIST		3				Social Science Elec			3			
Social Science Elec			3				Sr Elec Design Project	EENT	496	3			
Literature Elective	ENGL*		3				II						
Technical Elective			3										
Total			17				Total			15			

OTHER REQUIREMENTS:

Course	Dept	Co. No	Cr	Grd	Sem	Yr
African American	*		3			
Experience						
Community	Volu	400 or 100,	3			
Service		200 & 300				
Writing Proficiency	Engl	001	0			
Dept. Comp Exam	EENT	000	0			

* Satisfies both requirements, See the catalog, page 43.

** Students may select MATH 276 as an alternate.

Notes:

APPROVED:

Faculty Advisor: _ Date:	
Dept. Chair: Date:	
Academic Dean: _ Date:	



Southern University College of Engineering Electronics Engineering Technology Department COURSE PRE-REQUISITES

Course ID	Course Title	Pre-Requisite(s)
ENGR 120	Freshman Engineering I	High School Trigonometry
MATH 135	Pre-Calculus Math I	Placement examination
ENGL 110	Freshman Composition I	N/A
	Life Science Elective	
CHEM 132	General Chem Lecture	High school chemistry and algebra
CHEM 112	General Chem Lab	Chem 132-Corequisite
EENT 110	DC CKT Analysis I	Math 135
EENT 111	DC CKT Analysis Lab	Concurrent with or credit in EENT 110
MATH 140	Pre-Calculus Math II	A grade of "C" or better in Math 135 or by Placement exam
ENGL 111	Freshman Composition II	Engl 110
PHYS 141	Elements of Physics	Math 135 or equivalent
ENGR 130	Freshman Engineering II	ENGR 120; MATH 135
ENGR 230	Technical Communication	English 111
EENT 210	AC CKT Analysis	EENT 110, Math 140
EENT 211	AC CKT Analysis Lab	EENT 111, Concurrent with EENT 210
EENT 212	Electronic CKT I	EENT 210
EENT 213	Electronic CKT Lab	EENT 111; Concurrent with EENT 212
PHYS 142	Elements of Physics	Math 135 or equivalent
MATH 264	Calculus I	Math 135 and 140, or the designated placement test score
EENT 216	Electronic CKT II	EENT 212
EENT 217	Electronic CKT II Lab	EENT 213, Concurrent with EENT 216
EENT 220	Digital Logic Lecture	EENT 212
EENT 221	Digital Logic Lab	EENT 213, Concurrent with EENT 220
MATH 265	Calculus II	Math 264 with a grade of "C" or better
EENT 314	Linear Integrated CKt	EENT 216; Math 264
EENT 316	Microprocessor Lec	EENT 220
EENT 317	Microprocessor Lab	EENT 221; Co-requisite: EENT 316
ENGR 320	Statistics for Engrs	MATH 265; Students can select MATH 276 as an alternate.
EENT 330	Semiconductor Device Processing	EENT 216; MATH 264
EENT 360	Elec Machinery Lec	EENT 210; MATH 264
EENT 361	Elec Machinery Lab	EENT 211, Concurrent with EENT 360
EENT 370	Fund Signal & Data Proc	MATH 265; EENT 210
EENT 371	Signal & Data Proc Lab	Co-requisite EENT 370
EENT 380	Comp Asbly, Main, & Repair	EENI 316
EENT 390	Digital Communications Lec	EENT 216, MATH 264
EENT 391	Digital Communications Lab	EENT 217, Concurrent with EENT 390
EENT 404	Adv Electron CK1 Analysis & Design	EENT 216 and MATH 264
EENT 434	Selected Topics in Electronic Tech	EENT 216; MATH 264
	Control System Lech	EENT 210; WATH 200
EENT 460	Programmable Logic Controllers	
	Computer Networking	Concurrent with EENT 490
	Computer Security Data Protection	
EENT 400	Wireless Communication Systems	
	Sr Electronico Decigo Decigo District	EENT 216, 260, and Sr. atonding
	Si Electronics Design Project I	
EENT 490	Sr Electronics Design Project II	EENT 404
	Tochnical Electives	ID/SD Standing in EENIT Curriculum: Concert of Instructor
	rechnical Electives	JR/SR Standing in EENT Curriculum; Consent of Instructor

Southern University College of Engineering

Degree Requirements

The Bachelor of Science Degree in Electrical Engineering (BS-EET) is awarded to students who complete the requirements of the department as stated below:

- 1. Complete the **EET-curriculum requirements** with a minimum overall grade point average of 2.00 out of 4.00. The total credit hours required for graduation is 126 credit hours excluding remedial and repeated courses;
- Pass the Writing Proficiency Examination (WPE, ENGL 001) prior to applying for graduation. The Writing Laboratory located in Harris Hall, Room 109, is a resource to prepare students to pass the WPE. For more details, visit <u>http://web.subr.edu/index.php?id=323</u>;
- 3. Pass the **Departmental Comprehensive Examination** (DCE, EENT 000) that is administrated by the Electronics Engineering Technology department in order to graduate.
- 4. Complete the University mandated African-American Experience. Courses that satisfy the African-American Experience requirement include ARTS 440; ENGL 203*, 313, 407, 413, 415, and 485; HIST 311*, 399, 401, 419, 486, 496, and 497; MUSC 243, 352, and 353; HUMN 366, and 403; MCOM 331; PHIL 426; SOCW 250 and 450; SPTH 399. Every student of US or International origin has to fulfill the African American Experience requirement. See the current university catalogue for additional details.

Waiver: Students who were first-time freshmen at any post-secondary institution *before* August 1, 1991.

 Complete the University mandated Community Service Requirement. It is required to complete a minimum of 60 clock hours of COMMUNITY SERVICE as one of the requirements for graduation. Service Learning courses are: Service Learning 100, 200, and 300, (Credit, 1 Hour, each); and Service Learning 400, (Credit, 3 Hours). A total of three semester hours of credit is required.

Waivers:

- a. Students who were first-time freshmen at any post-secondary institution **before** August 1, 1993;
- b. International Students;
- c. Those students **25 years or older** who completed high school or who earned high school equivalency seven or more years prior to admission;
- d. Any person with certifiable disability of such a nature that community service projects would jeopardize the welfare of the parties involved

General Education Requirements ~ All students entering the EET department in the Southern University College of Engineering must complete a general education component, which is discussed below:

- 1. At least six (6) hours of course work in the **Humanities** are required. These six (6) credit hours must be in history and may be selected from the following courses: History (HIST 104, 105 or 114, 115, 311*).
- 2. Three (3) hours in Literature to be taken from: ENGL 201, 203*, 204, or 205.
- Six (6) hours of course work are required in Social Sciences of which three (3) hours must be Economics (ECON 205). The remaining course must be selected from among the following series of courses: Economics (ECON 210, 370); Geography (GEOG 210, 221, 401); Political Science (POLS 200, 210, 320, 402); Sociology (SOCL 210,324, 448); and Psychology (PSYC 210, 315, 350).
- 4. Three (3) hours of course work are required in the **Arts** and are to be taken from among the following series of courses: Fine Arts (ARTS 200, 210/211, 320, 330, and 440*); Music (MUSC 200, 250/251, 352*, 353*); Speech and Theater (SPTH 360).
- 5. Two (2) hours of course work are required in **Health** or **Physical Education** and are to be taken from among the following series of courses: Physical Education (PHED 100-250) or Health (HLTH 110-365).
- 6. Fifteen (15) hours of course work are required in the Biological and Physical Sciences, with a laboratory experience. Eight (8) hours must be taken in a two-semester sequence of Physics courses; lecture and laboratory (PHYS 141, 142) and four (4) hours must be taken in Chemistry courses (CHEM 132 and 112). Three (3) hours of life science course work are required and may be selected from the following Biology courses: (BIOL 104 or 105).

Residency Requirement ~ All EET students must complete 30 hours of the last 36 hours in residence at Southern.

* These courses can be taken to simultaneously satisfy the indicated EET elective requirements as well as the University's African-American Experience requirement.

CORE Mathematics and Science Requirements ~ A grade of "C" or better is required in the following mathematics and science CORE courses:

<u>Course</u>	Course No.	Credit Hour
Pre-Calculus I	Math 135	3.0
Pre-Calculus II	Math 140	3.0
Calculus I	Math 264	4.0
Calculus II	Math 265	4.0
Elements of Physics	Phys 141	4.0
Elements of Physics	Phys 142	4.0
General Chemistry Lecture	Chem 132	3.0
General Chemistry Lab	Chem 112	1.0
Total		26.0

Departmental Course Requirements ~ All courses designated in the curriculum sheet by the prefix EENT as well as ENGR 120, 130, are considered to be CORE courses for EET majors and a grade of "C" or better is required.

Technical Electives ~ Nine (9) hours of technical electives are to be chosen from the following three elective groups. One technical elective course needs to be selected from each of the following three groups.

Electronic	Electives	Group
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Course Name	Course No.
Linear Integrated Circuits	EENT 314
Semiconductor Device Processing	EENT 330
Advanced Electronics Circuit Analysis and Design	EENT 404

Course Name	Course No.
Advanced Topics in Digital Signal Processing	EENT 479
Advanced Topics in Computer Technology	EENT 489
Fiber Optics Communication	EENT 490
Wireless Communication Systems	EENT 492
Advanced Topics in Communication	EENT 495

General Technical Electives Group

Course Name	Course No.
Information Systems	CMPS 315
Object Oriented Programming	CMPS 370
Advanced Object-Oriented Programming	CMPS 371
Principle of Management	MGMT 300
Human Resource Management	MGMT 320
Organizational Behavior	MGMT 420
Engineering Practice	ENGR 499

Cal III and Diff Equations for Engineering Selected Topics in Electronics Technology MATH 395 EENT 434

NOTE: The courses listed under Electronic Electives, and Communication Electives may also count as one of the General Technical Electives, however, a single course cannot meet the requirements of both elective groups.

Transfer Credits

Transfer courses can be substituted or used to satisfy the requirements for engineering or engineering technology courses if, and only if:

• The course contents, rigor of presentation, and prerequisites are equivalent, and

• Transfer credits come from engineering technology programs that are accredited by ABET.

II-Graduation Checkout Procedures

Students must be approved for graduation by their academic advisors, departmental chairman, academic dean, and the Office of the Registrar. The process to become a Candidate for Graduation begins in the semester prior to that in which the student is scheduled to graduate. These checkout procedures to be followed by prospective EET graduating seniors include:

- 1. Submittal of an Application for Graduation: Deadlines for a student's academic advisor to receive his/her application for graduation are:
 - Spring Commencement Third week of August
 - Summer Commencement Third week of January
 - Fall Commencement Third week of March
- 2. Validate Earned Curriculum Credits: The prospective graduate, along with his/her academic advisor, must review the Degree Requirements Record form reflecting the EE curriculum in force for the SUBR catalogue selected for graduation checkout. His/her latest transcript is to be consulted to certify what if any graduation requirements still remain. This can be done most efficiently via a Degree Audit conducted on the BANNER system. If all remaining graduation requirements can be satisfied within the next semester, the academic advisor should sign the Degree Requirements Record form. The completed form should be inserted into the prospective graduate's application packet. A copy of the Degree Audit and the transcripts should be part of the application packet.
- 3. Fill-out the Candidate for the Bachelor's Degree Official Check-Out form: The prospective graduate should list on this form all courses that are currently in progress and any additional courses required to complete the degree requirements. The completed form should be inserted into the prospective graduate's application packet.
- 4. Fill-out the Graduation Application Data Sheet: The prospective graduate should fill-out this sheet with the required personal information. The completed form should be inserted into the prospective graduate's application packet.
- 5. Fill-out necessary Request for Course Substitution forms: It is necessary to complete and sign one of these forms for each course to be substituted. The completed forms should be inserted into the prospective graduate's application packet.
- 6. Submission of Application Packet to Department Chair: A list of the required contents of an acceptable application packet is discussed in detail in the **Appendix**. The student should then take the application packet to his/her Chair's office for further review and additional signatures.
- 7. Submission of Application Packet to Engineering Dean: The departmental chairman will forward the prospective graduate's application packet to the Dean's Office after affixing his approval.
- 8. Submission of Application Packet to Academic Affairs: The dean of engineering will forward prospective graduate's application packet to the Office of Academic Affairs after affixing his approval.
- 9. Fill-out the Graduating Senior Exit Survey: The prospective graduate must fill-out this survey and return it to the EET department office.

It is the student's responsibility to understand and meet graduation requirements.

APPENDIX

Southern University-Baton Rouge REQUEST FOR SUBSTITUTION OF COURSE Please Type									
I,Student's Name	,,,	Department							
Classification	, request permission to substitute	Course Number							
Descriptive Title of Course	Department	Credit Hours							
Semester hours of credit for the re	equired course								
	C	Course Number							
Descriptive Title of Course	Department	Credit Hours							
Reasons(s) for said request follows: (If reasons) Attach a course description from the unit	equest involves a Transfer of Credit, please in versity Catalog.)	ndicate institution of origin and location.							
Please list Title of Course	t all previous substitutions (must be co Course Number	ompleted)							
Advisor:	Date:	() Approved () Disapproved							
Department Chair:	Date:	() Approved () Disapproved							
Dean:	Date:	() Approved () Disapproved							
Academic Affairs:	Date:	() Approved () Disapproved							
Registrar:	Date:	() Approved () Disapproved							
		Revised 11/2004							

AND AGRICULTURAL AND MECHANICAL COLLEGE

CANDIDATE FC	OR THE BACHEL	OR'S DE	GREE	OFFI	CIAL CHE	CK-OL	JT FORI	М		
Name of Student:		C	College: I	Engine	eering					
Proposed Date of Graduation:		C	Curriculun	n:						
Degree:		C	Catalog Is	Issue:						
	CO	URSES IN	PRGRES	SS						
	COURSE			C	OURSE NUM	BER	SEMEST	FER HOURS		
					-					
	ADDITION	NAL COUR	SES REC				0511507			
	COURSE			C	JURSE NUMI	BER	SEMES	IER HOURS		
	OTH	IER REQU		rs						
Total Semester Hours Carried T	otal Quality Credits	Hours Applic	able to Deg	ree	Military Service	Credit	Credit	t Examinations		
DEFICIENT QUALITY CREDITS IF TRANSP			FER SI	UDENTS: Hours	& Credit	s Carried at	SU v Quality Credits			
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Signature of Student:				vr 04:		Date:				
				Dep	ce Use Only) partmental Chairr	nan:				
Record Checked by: 1.				2.	ce of the Rogistry	ar		Date		
Academic Dean Approved by: 1.				2.		ai		Date		
						_		21		

	SOUTF and Agricu	HERNUNIVERSI ultural and Mechanical Colleg	TY ge								
	APPLICATION DATA SHEET										
Social Security Nu	ımber	Area Code a	nd Telephone Number								
Last Name	First Name	Middle Name	Maiden Name								
Permanent Mailing	g Address	City and State <u>Sex</u> Male	Zip Code <u>Marital Status</u> Single								
Date of Birth		Female	Married Divorced Widowed								
Degree	Major	Minor									
— A p a — A A e — H o — V E — N a ro S a a	merican Indian or Alas eoples of North Americ ffiliation or community sian or Pacific Islander sia, the Indian Subcon xample, China, Japan, fispanic: A person of M ther Spanish culture or White, non-Hispanic: A p furope, North Africa, or Ion-Resident Alien: A p nd who is in this counti emain indefinitely. Resi States and who have be lien registration receipt ppropriate racial/ethnic	kan Native: A person having a and who maintains cultura recognition. r: A person having origins in tinent, or the Pacific Islands. Korea, the Philippine Island exican, Puerto Rican, Cubar origin, regardless of race. person having origins in any the Middle Fast (except tho person who is not a citizen or the Middle Fast (except tho person who is not a citizen or the Aiddle Fast (except tho person who is not a citizen or the Middle Fast (except tho person who is not a citizen or the Aiddle Fast (except tho person who is not a citizen or the Aiddle Fast (except tho person who is not a citizen or the Aiddle Fast (except tho person who is not a citizen or the Aiddle Fast (except tho person a temporary basis and ident aliens who are not citizen to categories along with Unite	g origins in any of the original al identification through tribal any of the Far East, Southeast . This area includes, for ls, and Samoa. n, Central or South American or of the original peoples of se of Hispanic origin). r national of the United States does not have the right to rens or nationals of the United manent residence (and who hold e to be reported in the ad State citizens. Please give								
_	Card Number	_									

SOUTHERN UNIVERSITY
COLLEGE OF ENGINEERING
PROSPECTIVE GRADUATE PERSONAL INFORMATION
NAME:
STUDENT ID #:
LOCAL E-MAIL:
LOCAL ADDRESS:
PERMANENT ADDRESS:
PERMANENT PHONE #:
PERMANENT E-MAIL:

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Print	Form

SOUTHERN UNIVERSITY

Electronics Engineering Technology Department GRADUATING STUDENT EXIT SURVEY

Semester: _____ Date: _____

To further improve the educational experiences of those who follow you, and to assist us in re-examining our program, please answer each question as accurately as possible.

Last Name:	First Name:	M.I.					
Permanent Address:	Phone No.:						
Current Address:	Phone No.:						
BIOGRAPHICAL /ENROLLMENT DATA							
1- Sex: 2- Race: 3- Citizenshij □ Female □ Black □ US □ Male □ White □ Other	p: 4- Residence: 5- Current Ag ☐ Louisiana ☐ 22 or u ☐ Other ☐ 23-29 ☐ 30 or o	ge: under bilder					
6- While pursuing your degree, did you: 7	 Number of years in attendance at Souther 	ern University?					
 Enrolled at SUBR to begin college study? Transfer from a 2-year college? Transfer from another university? 	One Two Three Four Five Six or	more					
8- Please estimate your cumulative GPA upon compl	etion of your degree curriculum.						
3.75-4.00 3.50-3.74 3.25-3.49	3.00-3.24 2.75-2.99 2.50-2.74	2.00-2.49					
9- Level of activity in COE student organizations?	10-Average number of hours employ	ed per week					
High Moderate Low None	None 1-10 11-20	21-30 🗌 31-40					
11- What are your immediate employment plans?							
 I plan to work in a job I recently obtained. I plan to continue my education before working full 	I am currently looking for a job.	/ment plan.					
12- If you indicated in question #11 that you curren related to your major or area of study at Southern?	tly have or will be starting a new job, to v ?	what extent is it					
12-A	12-B						
 Directly related Somewhat related Not related 	Is the job in Louisiana? 🔲 Yes	No No					
EmployerLocation							
13- If you indicated in question #11 that you will continue your education, what: Degree? University? Start Date?							
14- A. Did you take the FE Exam? Yes No 14- B. Did you pass? Yes No Results not known.							
		Page 1 of 3					

ASSESSMENT OF SPECIFIC SKILLS, ABILITIES, AND ATTRIBUTES

Please give us feedback on the following skills, abilities and attributes that are generally expected of engineering professionals. Base your responses on your total learning experience as an undergraduate student (i.e., course interactions with faculty and other students, co-op experience, etc.). Please feel free to use the space provided after each list to briefly explain your responses, especially if you feel that your preparation was less than adequate. Use a response scale of 1 through 5 with the following explanations for use when estimating professional development value:

0 =No Response 1 =Not Important 2=Somewhat Important 3=Important 4=Very Important 5=Extremely Important

15- An understanding and ability apply knowledge of general requirements:

	Emphasis Given in Program was:			Value to Professional Development:						
	Too Much	Adequate	Too Little	0	1	2	3	4	5	
Mathematics										
Physical Sciences										
Computer Science										
Humanities & Social Sciences										

16- An understanding and ability to apply knowledge of engineering technology requirements:

	Emphasis Given in Program was:			Value to Professional Developmen					
	Too Much	Adequate	Too Little	0	1	2	3	4	5
Engineering Science									
Experimental Apparatus									
Hands-on engineering activities									
Analysis, interpretation of Lab data									
Computer Applications									
Communication & Computer Networks									
Design Process									
Professional and Ethical Responsibility									

ASSESSMENT OF THE ENVIRONMENT OF LEARNING

Please indicate the level of your satisfaction with each of the following aspects of your experience at Southern University. Feel free to use the space provided after each list to briefly explain your responses, especially if you feel less than satisfied with a particular experience.

17- Quality of instruction and support for learning by the faculty in:

		No Opinion	Not Satisfied	Somewhat Satisfied	Very Satisfied	Extremely Satisfied
	Mathematics & Physical Sciences	Ċ.				
	Humanities & Social Sciences					
	EET Major Course					
	Non-EET Engineering Courses					
18-	Equity of Advisement with respect	to:				
	Academic Planning					
	Career Planning					
	Graduate Education					Ō
19-	Equity of treatment by:					
	Academic Administrators					
	Faculty & Staff					
	Fellow Students					
20-	Physical quality of the following fa	cilities:				
(99,65)	Computing					
	Classrooms					
	Laboratories					
	Library					
				10-00		

Page 2 of 3

21- ASSESSMENT OF a-k ABET OUTCOMES FOR ENGINEERING TECHNOLOGY PROGRAMS

Please give us feedback on the following skills, abilities and attributes that are expected of you at the time of graduation. Use a response scale of 1 through 5 with the following explanations for use when assessing ABET outcomes.

1 =Not Prepared 2=Somewhat Prepared 3= Prepared 4= Well Prepared 5= Extremely Well Prepared

As a graduate of EET Program, you have:	1	2	3	4	5
 a. an appropriate mastery of the knowledge, techniques, skills, and modern tools of their disciplines 					
 an ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology 					
 c. an ability to conduct, analyze and interpret experiments, and apply experimental results to improve processes 					
 d. an ability to apply creativity in the design of systems, components, or processes appropriate to program educational objectives 					
e. an ability to function effectively on teams					
f. an ability to identify, analyze and solve technical problems					
g. an ability to communicate effectively					
 h. a recognition of the need for, and an ability to engage in lifelong learning 					
i. an ability to understand professional					
 j. a respect for diversity and a knowledge of contemporary professional, societal and global issues 					
k. a commitment to quality, timeliness, and continuous improvement					

22- ASSESSMENT OF EET PROGRAM OUTCOMES

Please give us feedback on the following skills, abilities and attributes that are expected of you at the time of graduation. Use a response scale of 1 through 5 with the following explanations for use when assessing EET Program outcomes.

1 =Not Prepared 2=Somewhat Prepared 3= Prepared 4= Well Prepared 5= Extremely Well Prepared

As a graduate of EET Program, you can demonstrate knowledge and hands-on competence appropriate to the goals of the program in:	1	2	3	4	5
 a. the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers to the building, testing, operation, and maintenance of electrical/electronic(s) systems. 					
b. the applications of physics or chemistry to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry.					
 c. the ability to analyze, design, and implement control systems, instrumentation systems, communications systems, computer systems, or power systems. 					
 d. the ability to apply project management techniques to electrical/electronic(s) systems. 					
 e. the ability to utilize statistics/probability, transform methods, discrete mathematics, or applied differential equations in support of electrical/electronic(s) systems. 					

Page 3 of 3