

SOUTHERN UNIVERSITY AND A & M COLLEGE



ADVISEMENT & GRADUATION CHECKOUT PROCEDURES

**College of Engineering
Electrical Engineering Department**

<http://www.subr.edu/index.cfm/page/1319>

2010-2014 Catalog

Greetings and welcome to the Department of Electrical Engineering 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 Electrical Engineering (EE) 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 26 hours (for engineering majors) with a GPA of 2.2/4.0 or better if they desire to major in civil, electrical, mechanical engineering or 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:

a. For Engineering Majors (26 hours)

English (6 hours): ENGL (_____ 110, _____ 111)

Mathematics (4 hrs): MATH (_____ 264)

Sciences (12 hours): BIOL (____ 104 or ____) CHEM (_____ 112, _____ 132) PHYS (_____ 221)

Engineering (4 hours): ENGR (_____ 120, _____ 130) or (MEEN ____ 120, CIEN ____ 130)

b. For Electronics Engineering Technology Majors (24 hours)

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) or (MEEN _____ 120, CIEN _____ 130)

c. _____ **Writing Proficiency**

d. 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 met, 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 to the Associate Dean for Academic Affairs for approval and certification.

Revised 11/2008

COLLEGE OF ENGINEERING
SOUTHERN UNIVERSITY AND A&M COLLEGE
ENTRY EVALUATION FORM

Name: _____ Student ID: _____ / _____ / _____ Date: ____/____/____

Start Date at SUBR: ____/____/____ (____S____M____F) 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 (____104or____105) CHEM (____112,____132) PHYS (____221)
Engineering (4 hours): ENGR (____120,____130) or (MEEN____120, CIEN____130)

b. For Electronics Engineering Technology Majors (24 hours)

English (6 hours): ENGL (____110,____111)
Mathematics (4 hrs): MATH (____135)
Sciences (11 hours): BIOL (____104 or ____105) CHEM (____112,____132) PHYS (____141)
Engineering (4 hours): ENGR (____120,____130) or (MEEN____120, CIEN____130)

II. The student is **DEFICIENT** in the following requirements for admission into the College of Engineering:

a. Applicant **HAS NOT EARNED** a "C" or better in the following required courses:

____ MATH 264 (Calculus I)	____ CHEM 112 (General Chemistry Lab)
____ MATH 135 (Pre-Calculus I)	____ CHEM 132 (General Chemistry Lecture)
____ PHYS 141 (Elements of Physics)	____ ENGR 120 (Freshman Engineering I)
____ PHYS 221 (General Physics I)	____ ENGR 130 (Freshman Engineering II)

b. ____ Applicant **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**).

UNIVERSITY COLLEGE CERTIFICATION:

I the undersigned do hereby declare that the student cited above has qualified to officially exit the University College and that the data shown accurately represent the student's performance to-date.

University College Evaluator

Date

College of Engineering Evaluator Only

II. Your petition for admission to the College of Engineering is:

____ APPROVED

____ DENIED

____ **CONDITIONALLY APPROVED:**

While under this status, the Applicant **MUST** enroll in ALL courses that are checked above in **Section II** and earn a "C" or better in each. **Until this is done, the Applicant will not be allowed to take additional engineering courses.** When the Applicant has satisfactorily completed ALL the cited courses, he/she will be "Fully Approved" for admission into the CoE and be allowed to take additional engineering courses.

College of Engineering Evaluator

Date

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

All students admitted to the EE program are assigned to an academic advisor on an alphabetical basis. In addition, all transfer students are **initially** assigned to a senior faculty member, 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 EE curriculum.

1. Table -1 depicts the assignment of Electrical Engineering 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.

Table -1 Electrical Engineering Academic Advisors

STUDENT'S LAST NAME BEGINNING WITH	ACADEMIC ADVISOR	OFFICE ROOM
A-D	Dr. Raife F. Smith	Pinchback # 424
E-G	Dr. Jiecai Luo	Pinchback # 413
H-J	Dr. Hamid Majlesein	Pinchback # 411
K-M	Dr. Elhag H. Shaban	Pinchback # 423
N-Q	Dr. Ernest L. Walker	Pinchback # 422
R-T	Dr. Pradeep Bhattacharya	Pinchback # 415
U-W	Dr. Fred Lacy	Pinchback # 416
X-Z	Dr. Zhengmao Ye	Pinchback # 426
All Transfer Students	Dr. Hamid Majlesein and selected advisors	Pinchback # 411
Final check-out of graduating seniors	Dr. Hamid Majlesein, Professor and Chair	Pinchback # 411

2. Academic advisors provide students with information and guidance concerning the EE program and they also approve students' schedules of classes throughout their matriculation in the program. All EE 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 EE 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 Electrical Engineering.

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 EE 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 catalogue issued thereafter.
7. The academic advisor will use a department "Degree Requirements Record Form" that is based on the appropriate curriculum taken from the catalogue 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 EE program. These files will include transcripts, grade reports, and schedules of classes, personal data, a degree requirements record form, and other appropriate academic documents.
9. 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

Southern University College of Engineering
DEGREE REQUIREMENTS RECORD FORM
DEPARTMENT OF ELECTRICAL ENGINEERING
2010-2014 Catalog Proposed Date of Graduation _____

Student's Name: _____ SSN: _____ - _____ - _____ Advisor: _____

Last		First		Middle			
First Semester		FRESHMAN YEAR					
Course	Dept	No	Cr	Grd	Sem	Yr	
Freshman Engr I	ENGR	120	2				
Calculus I	MATH	264	4				
Fresh. Composition	ENGL	110	3				
General Chem Lec.	CHEM	132	3				
General Chem Lab	CHEM	112	1				
Life Science Elec**	BIOL	104	3				
Total			16				

Second Semester						
Course	Dept	No	Cr	Grd	Sem	Yr
Feshman Engr II	ENGR	130	2			
Economics	ECON	205	3			
Calculus II	MATH	265	4			
Freshman Composition	ENGL	111	3			
General Physics	PHYS	221	3			
General Physics Lab	PHYS	223	1			
Total			16			

First Semester						
SOPHOMORE YEAR						
Course	Dept	No	Cr	Grd	Sem	Yr
Elec. Circuits I	ELEN	208	3			
Elec. Circuit Lab I	ELEN	210	1			
General Physics	PHYS	222	3			
General Physics Lab	PHYS	224	1			
Tech. Communication	ENGR	230	2			
Cal III and Diff. Eqn	MATH	395	4			
Health/PE			2			
Total			16			

Second Semester						
Course	Dept	No	Cr	Grd	Sem	Yr
Elec Circuits II	ELEN	209	3			
Elec Circuit Lab II	ELEN	211	1			
Literature Elective**	Engl*	203	3			
Phys. of Sem. Devices	ELEN	212	3			
Engr. Mechanics	MEEN	229	4			
History Elective	HIST		3			
Total			17			

First Semester						
JUNIOR YEAR						
Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics I	ELEN	312	3			
Engr Electronics Lab I	ELEN	314	1			
Prob. & Statistics	ENGR	320	2			
Elec Mag Field Theor	ELEN	341	3			
Engineering Math	ENGR	340	3			
Digital Logic Design	ELEN	303	3			
Digital Logic Lab	ELEN	305	1			
Total			16			

Second Semester						
Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics II	ELEN	313	3			
Engr. Electronics Lab II	ELEN	315	1			
Electrical Machines I	ELEN	342	3			
Elec. Machines Lab I	ELEN	344	1			
Signals and Systems	ELEN	390	3			
Intro to Microproc.	ELEN	304	3			
Micro Proc. Lab	ELEN	306	1			
Engineering Econ	CIEN	310	3			
Total			18			

First Semester						
SENIOR YEAR						
Course	Dept	No	Cr	Grd	Sem	Yr
Comm Engr I	ELEN	409	3			
Senior Design Proj. I	ELEN	493	1			
Control Syst. Analysis	ELEN	431	3			
Thermodynamics I	MEEN	300	3			
Engr Seminar	ENGR	400	1			
History Elective	HIST		3			
Total			14			

Second Semester						
Course	Dept	No	Cr	Grd	Sem	Yr
Technical Elective	ELEN		3			
Technical Elective	ELEN		3			
Elec.Eng. Lab. Elec.	ELEN		1			
Arts Elective**			3			
Senior Design Project II	ELEN	494	2			
Social Sci. Elective**			3			
Total			15			

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Grd	Sem	Yr
African American Experience	Engl*	203	3			
Community Service	Volu	400 or 100, 200 & 300	3			
Writing Proficiency	Engl	001	0			
Dept. Comp Exam	ELEN	000	0			

APPROVED:

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

*Satisfies both requirements, other courses may be taken, see the catalog

**Choose from the EE H& S Elective List

Notes

Southern University College of Engineering
DEGREE REQUIREMENTS RECORD FORM
DEPARTMENT OF ELECTRICAL ENGINEERING
2009-2010 Catalog Proposed Date of Graduation _____

Student's Name: _____ SSN: _____ - _____ - _____ Advisor: _____
 Last First Middle

First Semester

FRESHMAN YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Engr. I	ENGR	120	2			
Anal. Geom & Cal I	MATH	264	4			
Fresh. Composition	ENGL	110	3			
General Chem Lec.	CHEM	132	3			
General Chem Lab	CHEM	112	1			
Life Science Elective			3			
Total			16			

Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Engr. II	ENGR	130	2			
Economics	ECON	205	3			
Anal. Geom & Cal II	MATH	265	4			
Freshman Composition	ENGL	111	3			
General Physics	PHYS	221	5			
Total			17			

First Semester

SOPHOMORE YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Elec. Circuits I	ELEN	208	3			
Elec. Circuit Lab I	ELEN	210	1			
General Physics	PHYS	222	5			
Tech. Communication	ENGR	230	2			
Cal III and Diff. Eqn	MATH	395	4			
Health/PE			2			
Total			17			

Course	Dept	No	Cr	Grd	Sem	Yr
Elec Circuits II	ELEN	209	3			
Elec Circuit Lab II	ELEN	211	1			
Literature Elective**	Engl*	203	3			
Phys. of Sem. Devices	ELEN	212	3			
Engr. Mechanics	MEEN	229	4			
History Elective	HIST		3			
Total			17			

First Semester

JUNIOR YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics I	ELEN	312	3			
Engr Electronics Lab I	ELEN	314	1			
Prob. & Statistics	ENGR	320	2			
Elec Mag Field Theor	ELEN	341	3			
Engineering Math	ENGR	340	3			
Digital Logic Design	ELEN	303	3			
Digital Logic Lab	ELEN	305	1			
Total			16			

Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics II	ELEN	313	3			
Engr. Electronics Lab II	ELEN	315	1			
Electrical Machines I	ELEN	342	3			
Elec. Machines Lab I	ELEN	344	1			
Signals and Systems	ELEN	390	3			
Intro to Microproc.	ELEN	304	3			
Micro Proc. Lab	ELEN	306	1			
Engineering Econ	CIEN	310	3			
Total			18			

First Semester

SENIOR YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Comm Engr I	ELEN	409	3			
Senior Design Proj. I	ELEN	493	1			
Control Sys. Analysis	ELEN	431	3			
Thermodynamics	MEEN	300	3			
Humanities Elect**II			3			
Elect Engr Seminar	ENGR	400	1			
History Elective	HISt					
Total			17			

Course	Dept	No	Cr	Grd	Sem	Yr
Elec./ Comp. Sci. Elec.	ELEN		3			
Senior Design Project II	ELEN	494	2			
Elec.Eng. Elective	ELEN		3			
Elec.Eng. Lab. Elec.	ELEN		1			
Social Sci. Elective**II	MEEN		3			
Arts ElectiveII			3			
Total			15			

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Grd	Sem	Yr
African American Experience	Engl*	203	3			
Community Service	Volu	400 or 100, 200 & 300	3			
Writing Proficiency	Engl	001	0			
Dept. Comp Exam	ELEN	000	0			

APPROVED:

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

*Satisfies both requirements, other courses may be taken, see the catalog

**Choose from the EE H& S Elective List

Notes

Southern University College of Engineering
DEGREE REQUIREMENTS RECORD FORM
DEPARTMENT OF ELECTRICAL ENGINEERING
2006-2008 Catalog Proposed Date of Graduation _____

Student's Name: _____ SSN: _____ - _____ - _____ Advisor: _____

Last			First		Middle	
First Semester			FRESH			
Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Engr I	ENGR	120	2			
Anal. Geom & Cal I	MATH	264	4			
Fresh. Composition	ENGL	110	3			
Life Science Elec**II	BIO	104	3			
General Chem Lec.	CHEM	132	3			
General Chem Lab	CHEM	112	1			
Total			16			

FRESHMAN YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Feshman Engr II	ENGR	130	2			
Anal. Geom & Cal II	MATH	265	4			
Freshman Composition	ENGL	111	3			
General Physics	PHYS	221	5			
Economics	ECON	205	3			
Total			17			

Course	Dept	No	Cr	Grd	Sem	Yr
Elec Circuits I	ELEN	208	3			
Elec Circuit Lab I	ELEN	210	1			
General Physics	PHYS	222	5			
Tech. Communication	ENGR	230	2			
Cal III and Diff. Eqn	MATH	395	4			
Health/PE			2			
Total			17			

SOPHOMORE YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Elec Circuits II	ELEN	209	3			
Elec Circuit Lab II	ELEN	211	1			
Engr. Mechanics	MEEN	229	4			
History Elective	HIST		3			
Phys. of Sem. Devices	ELEN	212	3			
Literature Elective II	ENGL*	203	3			
Total			17			

Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics I	ELEN	312	3			
Engr Electronics Lab I	ELEN	314	1			
Engineering Math	ENGR	340	3			
Elec Mag Field Theor	ELEN	341	3			
Prob. & Statistics	ENGR	320	2			
Digital Logic Design	ELEN	303	3			
Digital Logic Design Lab	ELEN	305	1			
Total			16			

JUNIOR YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics II	ELEN	313	3			
Engr. Electronics Lab II	ELEN	315	1			
Electrical Machines I	ELEN	342	3			
Elec. Machines Lab I	ELEN	344	1			
Signals and Systems	ELEN	390	3			
Intro to Microproc.	ELEN	304	3			
Micro Proc. Lab	ELEN	306	1			
Engineering Econ	CIEN	310	3			
Total			18			

Course	Dept	No	Cr	Grd	Sem	Yr
Comm Engr I	ELEN	409	3			
Control Syst. Analysis	ELEN	431	3			
Thermodynamics I	MEEN	300	3			
Senior Design Proj. I	ELEN	493	1			
Humanities Elect**II			3			
History Elective	HIST		3			
Engr Seminar	ENGR	400	1			
Total			17			

SENIOR YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Technical Elective	ELEN		3			
Senior Design Project II	ELEN	494	2			
Technical Elective	ELEN		3			
Elec.Eng. Lab. Elec.	ELEN		1			
Social Sci. Elective**II			3			
Arts Elective II			3			
Total			15			

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Grd	Sem	Yr
African American Experience	Engl*	203	3			
Community Service	Volu	400 or 100, 200 & 300	3			
Writing Proficiency	Engl	001	0			
Dept. Comp Exam	ELEN	000	0			

APPROVED:

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

*Satisfies both requirements, other courses may be taken, see the catalog

**Choose from the EE H& S Elective List

Notes

Southern University College of Engineering
DEGREE REQUIREMENTS RECORD FORM
DEPARTMENT OF ELECTRICAL ENGINEERING
2004-2006 Catalog Proposed Date of Graduation _____

Student's Name: _____ SSN: _____ - _____ - _____ Advisor: _____

Last			First		Middle	
First Semester			FRESH			
Course	Dept	No	Cr	Grd	Sem	Yr
Intro to Engr & Tech	MEEN	120	3			
Anal. Geom & Cal I	MATH	264	4			
Fresh. Composition	ENGL	110	3			
Life Science Elec**II	BIO	104	3			
General Chem Lec.	CHEM	132	3			
General Chem Lab	CHEM	112	1			
Total			17			

FRESHMAN YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Engr Prog & Comm	CIEN	130	3			
Anal. Geom & Cal II	MATH	265	4			
Freshman Composition	ENGL	111	3			
General Physics	PHYS	221	5			
Economics	ECON	205	3			
Total			18			

First Semester					SOPH	
Course	Dept	No	Cr	Grd	Sem	Yr
Elec Nwk Theory I	ELEN	208	3			
General Physics	PHYS	222	5			
History SequenceII	HIST		3			
Differential Equations	MATH	370	4			
Health/PE Activity**II			2			
Total			17			

SOPHOMORE YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Elec Nwk Theory II	ELEN	209	3			
Elec Nwk Lab	ELEN	210	1			
Phys. of Sem Devices	ELEN	212	3			
Engr. Mechanics	MEEN	229	4			
Digital Logic Design	ELEN	303	3			
History Sequence**II	HIST		3			
Total			17			

First Semester				JUNIOR		
Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics I	ELEN	312	3			
Engr Electronics Lab I	ELEN	314	1			
Engr. Use of Computr	ELEN	317	3			
Elec Mag Field Theor	ELEN	347	3			
Engineering Math	ELEN	330	3			
Literature ElectiveII	ENGL*	203	3			
Total			16			

JUNIOR YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Engr. Electronics II	ELEN	313	3			
Engr. Electronics Lab II	ELEN	315	1			
Electrical Machines I	ELEN	342	3			
Elec. Machines Lab I	ELEN	344	1			
Linear Systems	ELEN	390	3			
Intro to Microproc.	ELEN	304	3			
Micro Proc. Lab	ELEN	306	1			
Engineering Econ	CIEN	310	3			
Total			18			

First Semester					SENIOR	
Course	Dept	No	Cr	Grd	Sem	Yr
Comm Engr I	ELEN	409	3			
Control Syst. Analysis	ELEN	431	3			
Thermodynamics I	MEEN	300	3			
Senior Design Proj. I	ELEN	493	1			
Humanities Elect**II			3			
Probability and Statist.	ELEN	450	3			
Elect Engr Seminar	ELEN	408	1			
Total			17			

SENIOR YEAR

Course	Dept	No	Cr	Grd	Sem	Yr
Elec.Eng. Elective	ELEN		3			
Senior Design Project II	ELEN	494	2			
Elec.Eng. Elective	ELEN		3			
Elec.Eng. Lab. Elec.	ELEN		1			
Social Sci. Elective**II			3			
Arts ElectiveII			3			
Total			15			

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Grd	Sem	Yr
African American Experience	Engl*	203	3			
Community Service	Volu	400 or 100, 200 & 300	3			
Writing Proficiency	Engl	001	0			
Dept. Comp Exam	ELEN	000	0			

APPROVED:

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

*Satisfies both requirements, other courses may be taken, see the catalog

**Choose from the EE H& S Elective List

Notes

2010-2014 EE CURRICULUM PRE-REQUISITE (PR) AND CO-REQUISITE (CR) FLOW CHART

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester
Freshman Engr I ENGR120 (2)	Freshman Engr II ENGR 130 (2) <i>PR ENGR 120 & MATH 135</i>	Electric Circuit I ELEN 208 (3) <i>PR MATH 265</i>	Elec. Cric Lab-II ELEN 211 (1) <i>CR ELEN 209</i>	Engr. Elect-I ELEN 312 (3) <i>PR ELEN209, 212 CR ELEN 314</i>	Engr, Elect-II ELEN 313 (3) <i>PR ELEN 312 CR ELEN315</i>	Comm. Engr-I ELEN 409 (3) <i>PR ELEN 390</i>	Technical Elective (3)
Calculus-I MATH 264(4)	Economics ECON 205 (3)	Elec.Circ.Lab-I ELEN 210 (1) <i>CR ELEN 208</i>	Elec. Circ-II ELEN 209 (3) <i>PR ELEN 208</i>	Engr. Elective ELEN 314(1) <i>CR ELEN 312</i>	Engr Elect lab-II ELEN 315 (1) <i>CR ELEN 313</i>	Sr. Design Proj-I ELEN 493 (1) <i>PR Sr. Standing Perm. Instr/Chair</i>	Elec. Engr Lab Elect (1) <i>PR Sr. Standing</i>
Gen.Chem.Lec CMEM 132 (3)	Calculus-II MATH 265(4) <i>PR-MATH264</i>	Gen.Physics PHYS 222 (3) <i>PR MATH 265 & PHYS 221</i>	Phys.of Semi.con Devices ELEN 212 (3) <i>PR PHYS 222</i>	Prob. Statistics ENGR 320 (2) <i>PR MATH 265</i>	Elec. Machines-I ELEN 342 (3) <i>PR ELEN 341</i>	Control System Analysis ELEN 431 (3) <i>PR ELEN 390</i>	EE Tech. Elective ELEN YYY(3)
Gen.Chem.Lab CHEM 112 (1)	Freshman Comp. ENGL 111 (3)	Gen. Physics I Lab PHYS 224 (1) <i>PR PHYS 221</i>	Engr. Mech MEEN 229 (4) <i>PR MATH 265 & PHYS 221</i>	Elec.Mag.Field theory ELEN 341 (3) <i>PR ELEN 340</i>	Elec. Mach.Lab-I ELEN 344 (1) <i>PR ELEN 342</i>	Thermo dynamics MEEN 300 (3) <i>PR PHYS 222</i>	Arts Elective (3)
Fresh. Comp. ENGL 110 (3)	Gen. Physics I PHYS 221 (3) <i>PR MATH 264</i>	Technical Comm. ENGR 230 (2) <i>PR ENGL 110</i>	Eng.Lit.Elective ENGL 203 (3)	Engr Math ENGR 340 (3) <i>PR MATH 395</i>	Signals & systems ELEN 390 (3)	Engr Seminar ENGR 400 (1) <i>PR Sr. Standing</i>	Sr. Design Proj-I ELEN 494 (2) <i>PR ELEN493</i>
Life Science Elective (3)	Gen. Physics I Lab PHYS 223 (1) <i>PR PHYS 221</i>	Cal-III & Diff.Eqn. MATH 395 (4) <i>PR MATH 265</i>	History Elective HIST xxx (3)	Dig.log.Design ELEN 303 (3) <i>PR ELEN 208</i>	Intro.Micro Process ELEN 304 (3)	History Elective HIST yyy (3)	Social Science Elective (3)
		Health & PE (2)		Dig.Log.Design lab ELEN 305(1) <i>CR ELEN 303</i>	Intro. Micro Lab ELEN 306 (1) <i>CR ELEN 304</i>		
					Engr Economy CIEN 310 (3) <i>PR ECON 205</i>		
16 hrs	16 hrs	16 hrs	17 hrs	16 hrs	18 hrs	14 hrs	15 hrs

Color Codes:

Math & Science
Requirements: 27 Cr H

Social & Humanities Elective
Requirements: 29 Cr H

Engineering Major
Requirements: 72 Cr H

Total Credit Hours
Requirements: 128 Cr

Southern University College of Engineering
Electrical Engineering Department
COURSE PRE-REQUISITES

Course ID	Course Title	Pre-Requisite(s)
ENGR120	Intro to Engineering & Technology	High School Trigonometry
MATH264	Calculus I	Math 135 and 140, or consent of the department
ENGL110	Freshman Composition I	N/A
CHEM132	General Chem Lecture	High school chemistry and algebra
CHEM112	General Chem Lab	Chem 132-Corequisite
	Life Science Elective	
ENGR 130	Engr Programming & Commutation	Engl 110
Math 265	Calculus II	Math 264 with a grade of "C" or better
ENGL111	Freshman Composition II	Engl 110
PHYS 221	General Physics I	Math 264
PHYS 223	General Physics I Lab	PHYS 221-Corequisite
ECON 205	Principles of Economics	N/A
ELEN 208	Electrical Circuits I	Math 265
PHYS 222	General Physics II	Math 265
PHYS 224	General Physics II Lab	PHYS 222-Corequisite
HIST	History Elective	N/A
MATH 395	Cal III & Differential Equations for Engr	Math 265
	Health/PE Activity	
ELEN 209	Electrical Circuits II	ELEN 208
ELEN 210	Electrical Circuits Lab. I	Co-requisite: ELEN 208
ELEN 211	Electrical Circuits Lab. II	Co-requisite: ELEN 209
ELEN 212	Physics of Semiconductor Devices	Phys 222 and Math 265
MEEN 229	Engineering Mechanics	Phys 221 and Math 265
ENGR 230	Technical Communication	Eng 111
ELEN 303	Digital Logic Design	Co-requisite: ELEN 303
ELEN 305	Digital Logic Design Lab	ELEN 208
HIST	History Elective	N/A
ELEN 312	Eng. Electronics I	ELEN 209 and ELEN 212, Co-requisite: ELEN 314
ELEN 314	Eng. Electronics Lab I	Co-requisite: ELEN 312
ELEN 341	Electro-Magnetic Field Theory	ELEN 209
ENGR 340	Engineering Mathematics	Math 395
	Literature Elective	N/A
ELEN 313	Eng. Electronics II	ELEN 312 Co-requisite: ELEN 315
ELEN 315	Eng. Electronics Lab II	ELEN313
ELEN 342	Electrical Machines I	ELEN 341
ELEN 344	Electrical Machines Lab I	ELEN 342
ELEN 390	Signals and Systems	ELEN 330
ELEN 304	Intro to Microprocessors	ELEN 303 Co-requisite: ELEN 306
ELEN 306	Microprocessor Lab	Co-requisite: ELEN 304
CIEN 310	Engineering Economy	Econ 200 or 205 and Math 265
ELEN 409	Communication Engineering I	ELEN 390
ELEL 493	Senior Design Project I	ELEN 304, ELEN 313, and ELEN 390
ELEN 431	Control Systems Analysis	ELEN 390
MEEN 300	Thermodynamics I	Phys 222
	Humanities Elective	
ENGR 400	Engineering Seminar	Senior standing
ENGR 320	Probability and Statistics	Math 265
ELEN	Electrical Engineering Technical Elective	Senior standing and approval of the instructor
ELEN	Elec./Comp Sci. Elective	Senior standing and approval of the instructor
ELEN	Technical Elective Lab	Senior standing and Co-requisite: Related Technical Elec.
	Arts Elective	N/A
ELEN 494	EE Senior Design Project II	ELEN 493
	Social Science Elective	N/A

Degree Requirements

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

1. Complete the **EE-curriculum requirements** with a minimum overall grade point average of 2.00 out of 4.00. The total credit hours required for graduation is 128 credit hours excluding remedial and repeated courses;
2. 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 <http://web.subr.edu/index.php?id=323>;
3. Pass the **Departmental Comprehensive Examination** (DCE, ELEN 000) that is administrated by the Electrical Engineering Department in order to graduate. The Departmental Comprehensive Examination is a part of Engineering Seminar course activity (ENGR 400).
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.

5. 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.
6. .

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. In such a case, the disability must be on file in the Office of the Registrar.*

General Education Requirements ~ All students entering the EE 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 of which be History. These six (6) credit hours must be at the sophomore level or above and may be selected from the following series: History (HIST 114, 115, 230, 311*, 399, 401, 410*, 463, and 486).
2. Three (3) hours in **Literature** to be taken from: ENGL 201, 203*, 204, or 205.
3. 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. Twelve (12) 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 221, 223, 222 and 224) 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 EE students must complete 30 hours of the last 36 hours in residence at Southern.

* These courses can be taken to simultaneously satisfy the indicated EE 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:

Course	Course No.	Credit Hour
Calculus I	MATH 264	4.0
Calculus II	MATH 265	4.0
Cal III & Diff Eqn	MATH 395	4.0
General Physics I -Lec & Lab	PHYS 221 & 223	4.0
General Physics II -Lec & Lab	PHYS 222 & 224	4.0
General Chemistry Lecture	CHEM 132	3.0
General Chemistry Lab	CHEM 112	1.0

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

Technical Electives ~ A seven (7) hours of technical elective may be taken from any of the following groups of courses during the year prior to graduation:

GROUP I COMPUTERS

Course	Course No.	Credit Hour
Digital Signal Processing	ELEN 405	3
Digital Signal Processing Lab	ELEN 406	1
Operating Systems	ELEN 473	3
Computer Systems Lab	ELEN 474	1
Computer Networks	ELEN 475	3

GROUP II POWER AND CONTROL SYSTEMS

Electrical Machinery II	ELEN 343	3
Discrete Control Systems	ELEN 432	3
Control Systems Lab	ELEN 433	1
Optimization Techniques	ELEN 434	3
Power Systems Analysis	ELEN 442	3
Power System Design	ELEN 463	3
Network Synthesis	ELEN 471	3

GROUP III COMMUNICATIONS

Electromagnetic Field Theory Lab	ELEN 325	1
Communication Engineering II	ELEN 412	3
Communication Systems Lab	ELEN 415	1
Microwaves	ELEN 423	3
Computer Communications Systems	ELEN 472	3

GROUP IV ELECTRONICS

Advanced Topics in Electrical Engineering	ELEN 417	3
Theory & Fabrication of Solid State Devices	ELEN 418	3
Integrated Circuit Design & Analysis	ELEN 419	3
Mechatronics	ELEN 464	3
Electrical Design Lab	ELEN 490	1

Notes:

- a. At least one technical elective course is offered every semester.
- b. A grade "C" or better is required for technical elective courses.

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

- The course contents, rigor of presentation, and prerequisites are equivalent, and
- Transfer credits come from engineering programs that are accredited by EAC/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 EE 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 SIS-PLUS 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 the prospective graduate's application packet to the Academic Affairs Office 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 EE 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 Student's ID Department
_____, request permission to substitute _____
Classification Course Number
Descriptive Title of Course Department Credit Hours

Semester hours of credit for the required course _____
Course Number

Descriptive Title of Course Department Credit Hours

Reasons(s) for said request follows: (If request involves a Transfer of Credit, please indicate institution of origin and location. Attach a course description from the university Catalog.)

Please list all previous substitutions (must be completed)	
Title of Course	Course Number

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

SOUTHERN UNIVERSITY
AND AGRICULTURAL AND MECHANICAL COLLEGE

CANDIDATE FOR THE BACHELOR'S DEGREE OFFICIAL CHECK-OUT FORM

Su 651

Name of Student:	College: Engineering
Proposed Date of Graduation:	Curriculum:
Degree:	Catalog Issue:

COURSES IN PROGRESS

COURSE	COURSE NUMBER	SEMESTER HOURS

ADDITIONAL COURSES REQUIRED

COURSE	COURSE NUMBER	SEMESTER HOURS

OTHER REQUIREMENTS

Total Semester Hours Carried	Total Quality Credits	Hours Applicable to Degree	Military Service Credit	Credit Examinations
DEFICIENT QUALITY CREDITS		IF TRANSFER STUDENTS: Hours & Credits Carried at SU		
Overall:	Major Field:	No. of Hours	Quality Credits	Deficiency Quality Credits

Signature of Student:

Date:

DO NOT WRITE BELOW THIS LINE (For Office Use Only)

Record Checked by: 1.	Departmental Chairman:
Academic Dean	Office of the Registrar
Approved by: 1.	2. Date

SOUTHERN UNIVERSITY

and Agricultural and Mechanical College

APPLICATION DATA SHEET

Social Security Number

Area Code and Telephone Number

Last Name

First Name

Middle Name

Maiden Name

Permanent Mailing Address

City and State

Zip Code

Sex

Marital Status

Male

Single

Date of Birth

Female

Married

Divorced

Widowed

Degree _____ Major _____ Minor _____

Racial/Ethnic Data

- *Black, non-Hispanic: A person having origins in any of the black racial groups of Africa (except those of Hispanic origin).*
- *American Indian or Alaskan Native: A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.*
- *Asian or Pacific Islander: A person having origins in any of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands. This area includes, for example, China, Japan, Korea, the Philippine Islands, and Samoa.*
- *Hispanic: A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.*
- *White, non-Hispanic: A person having origins in any of the original peoples of Europe, North Africa, or the Middle East (except those of Hispanic origin).*
- *Non-Resident Alien: A person who is not a citizen or national of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely. Resident aliens who are not citizens or nationals of the United States and who have been lawfully admitted for permanent residence (and who hold alien registration receipt cards -Form 1-551/155), are to be reported in the appropriate racial/ethnic categories along with United State citizens. Please give your Alien Registration Receipt Card Number*

Card Number

SOUTHERN UNIVERSITY

Electrical Engineering 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:**
☐ Female
☐ Male
- 2- **Race:**
☐ Black
☐ White
 Other _____
- 3- **Citizenship:**
☐ US
☐ Other _____
- 4- **Residence:**
☐ Louisiana
☐ Other _____
- 5- **Current Age:**
☐ 22 or under
☐ 23-29
☐ 30 or older
- 6- **While pursuing your degree, did you:**
☐ Enrolled at SUBR to begin college study?
☐ Transfer from a 2-year college?
☐ Transfer from another university?
- 7- **Number of years in attendance at Southern University?**
☐ One
☐ Two
☐ Three
☐ Four
☐ Five
☐ Six or more
- 8- **Please estimate your cumulative GPA upon completion 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?**
☐ High ☐ Moderate ☐ Low ☐ None
- 10- **Average number of hours employed per week during the past academic year?**
☐ 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 time.
☐ I am currently looking for a job.
☐ I have not formulated my employment plan.
- 12- **If you indicated in question #11 that you currently have or will be starting a new job, to what extent is it related to your major or area of study at Southern?**
- 12-A
☐ Directly related
☐ Somewhat related
☐ Not related
- 12-B
 Is the job in Louisiana? ☐ Yes ☐ No
- Employer _____ Location _____
- 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.

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical Sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Science	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humanities & Social Sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	Emphasis Given in Program was:			Value to Professional Development:					
	Too Much	Adequate	Too Little	0	1	2	3	4	5
Engr. Science & Mechanics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Experimental Apparatus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Engr. & Electronics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineering Economics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Aided Design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Professional and Ethical Responsibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humanities & Social Sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EE Major Course	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-EET Engineering Courses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

18- Equity of Advisement with respect to:

Academic Planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Career Planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Graduate Education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19-Equity of treatment by:

Academic Administrators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Faculty & Staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellow Students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

20- Physical quality of the following facilities:

Computing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Classrooms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Library	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21- ASSESSMENT OF a-k ABET OUTCOMES FOR ENGINEERING 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 the EE Program, you attained the following outcomes:	1	2	3	4	5
a. an ability to apply knowledge of mathematics, science, and engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. an ability to design and conduct experiments, as well as to analyze and interpret data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. an ability to function on multidisciplinary teams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. an ability to identify, formulate, and solve engineering problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. an understanding of professional and ethical responsibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. an ability to communicate effectively	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. a recognition of the need for, and an ability to engage in life-long learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. a knowledge of contemporary issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22- ASSESSMENT OF ELECTRICAL ENGINEERING 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 EE Program outcomes.

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

As a graduate of the EE Program, you can demonstrate to have:	1	2	3	4	5
a. knowledge of probability and statistics, including applications appropriate to the electrical engineering program and its objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. knowledge of mathematics through differential and integral calculus, basic sciences, computer science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components appropriate to the EE program objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. the ability to apply project management techniques to electrical/electronic(s) systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. a knowledge of advanced mathematics, typically including differential equations, linear algebra, complex variables, and discrete mathematics.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>