



**Savannah State University**  
**New Programs and Curriculum Committee**  
**Summary Page – Form I**

- 1. **Submitting College:** COST
- 2. **Department(s) Generating The Proposal:** Engineering Technology & Mathematics  
Engineering Technology & Mathematics (if needed)
- 3. **Proposal Title:** Curriculum Changes for the RETP Grid Sheets
- 4. **Course Number(s):** Click here to enter text.
- 5. **Course Title(s):** Click here to enter text.
- 6. **Effective Date:** Spring **Year:** 2014
- 7. **Brief Summary of Proposal:** Current RETP Grid Sheets do not require students to finish the core. We are proposing that all RETP grid sheets should require students to take the core. This will allow students to obtain Associate Degree in Engineering Science from SSU prior to their transfer.

8. **Type of Proposal:** Other If other, please describe: Grid sheet changes. See attached for changes

9. **Impact on Library Holdings**  
 Existing: None  
 Additional: None  
 Deletions: None

10. **Impact on Existing Programs:** None

11. **Additional Resources Required**  
 Personnel: None  
 Non-personnel: None

12. **Approvals:**

- Department Curriculum Committee      Signature *Jah Juskij*      Date 9/30/13
- Department Chair                              Signature *Jah Juskij*      Date 9/30/13
- College Curriculum Committee              Signature \_\_\_\_\_      Date \_\_\_\_\_
- College Dean                                      Signature *Dr. P. S. S. S.*      Date 10/01/13
- Vice President of Academic Affairs      Signature \_\_\_\_\_      Date \_\_\_\_\_  
 (Chair of the New Programs and Curriculum Committee)
- Faculty Senate                                      Signature \_\_\_\_\_      Date \_\_\_\_\_

**ACADEMIC AFFAIRS**  
**OCT 01 2013**  
**RECEIVED**

Proposed courses to add are shown in Green Color

## RETP CIVIL ENGINEERING CURRICULUM GRID

Student Name \_\_\_\_\_

SID \_\_\_\_\_

Date Started \_\_\_\_\_

Advisor \_\_\_\_\_

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year Experience	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus ( <i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i> )	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I ( <i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i> )	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	<b>TOTAL HOURS</b>	<b>15</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II ( <i>Prerequisite ENGL 1101</i> )	3	
F	CHEM 1212 Principles of Chemistry II ( <i>Prerequisite CHEM 1211</i> )	3	
F	CHEM 1212L Principles of Chemistry II Lab ( <i>Prerequisite CHEM 1211L</i> )	1	
A	MATH 2101 Calculus I ( <i>Prerequisite MATH 1113</i> )	4	
MAJOR	ENGR 2770 Engineering Graphics ( <i>Prerequisite MATH 1113</i> )	3	
E	POLS 1101 American Government	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II ( <i>Prerequisite MATH 2101</i> )	4	
F	CSCI 1371 Computing for Engineers and Scientists ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2211K Principles of Physics I ( <i>Prerequisite MATH 2101</i> )	4	
MAJOR	ENGR 2001 Principles of Engineering Materials ( <i>Prerequisites CHEM 1211 &amp; CHEM 1211L</i> )	3	
C	RPHS 2241 Ethics	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2201 Statics for Engineers ( <i>Prerequisites MATH 2111 and PHYS 2211K</i> )	3	
F	BIOL 1107L Principles of Biology I Lab	1	
D	PHYS 2212K Principles of Physics II ( <i>Prerequisite PHYS 2211K</i> )	4	
F	BIOL 1107 Principles of Biology I ( <i>Prerequisites CHEM 1211 &amp; CHEM 1211L</i> )	3	
F	MATH 3101 Linear Algebra ( <i>Prerequisite MATH 2111</i> )	3	
	<b>TOTAL HOURS</b>	<b>18</b>	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations ( <i>Prerequisite MATH 2111</i> )	4	
E	POLS 2401 Global Issues	3	
MAJOR	ENGR 2202 Dynamics of Rigid Bodies ( <i>Prerequisite ENGR 2201</i> )	3	
C	HUMN 1201 Critical Thinking & Communications	3	
Institution	HEDU	1	
E	HIST 2111 OR 2112 US History	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 3322 Engineering Thermodynamics ( <i>Prerequisites PHYS 2212K, CSCI 1371 &amp; MATH 3301</i> )	3	
F	MATH 3602 Linear and Discrete Mathematics ( <i>Prerequisite MATH 2111</i> )	4	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
B	AFRS 1501 African American History	2	
E	ECON 2105 Principles of Micro-Economics	3	
MAJOR	ENGR 3001 Mechanics of Deformable Bodies ( <i>Prerequisites ENGR 2201 and MATH 3301</i> )	3	
	<b>TOTAL HOURS</b>	<b>18</b>	
	<b>Total to Graduate</b>	<b>102</b>	

CORE CURRICULUM AREAS (A-E)

45

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

34

Major

19

INSTITUTIONAL REQUIREMENTS

4

TOTAL HOURS

102 HOURS

**STUDENT AGREEMENT**

I agree to follow the above schedule.

Student Signature

*Andrew*  
*John J. Fisher*

Approved By: Program Coordinator

Department Chair

PREPARED BY:  
Dr. Spyros Andreou, PE  
Regents Engineering Transfer Program  
Coordinator  
Approved: January 2013  
Modified: 9/9/2013

Date: 6/7/2013

Date: 6/7/2013

## RETP COMPUTER ENGINEERING CURRICULUM GRID

Student Name \_\_\_\_\_

SID \_\_\_\_\_

Date Started \_\_\_\_\_

Advisor \_\_\_\_\_

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year Experience	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus ( <i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i> )	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I ( <i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i> )	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	<b>TOTAL HOURS</b>	<b>15</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II ( <i>Prerequisite ENGL 1101</i> )	3	
F	CHEM 1212 Principles of Chemistry II ( <i>Prerequisite CHEM 1211</i> )	3	
F	CHEM 1212L Principles of Chemistry II Lab ( <i>Prerequisite CHEM 1211L</i> )	1	
A	MATH 2101 Calculus I ( <i>Prerequisite MATH 1113</i> )	4	
E	POLS 1101 American Government	3	
Institution	HEDU	1	
B	AFRS 1501 African American History	2	
	<b>TOTAL HOURS</b>	<b>17</b>	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II ( <i>Prerequisite MATH 2101</i> )	4	
F	CSCI 1371 Computing for Engineers and Scientists ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2211K Principles of Physics I ( <i>Prerequisite MATH 2101</i> )	4	
C	HUMN 1201 Critical Thinking & Communications	3	
C	RPHS 2241 Ethics	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III ( <i>Prerequisite MATH 2111</i> )	4	
F	CSCI 1610 Introduction to Java ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2212K Principles of Physics II ( <i>Prerequisite PHYS 2211K</i> )	4	
MAJOR	ENGR 2030 Introduction to Computer Engineering ( <i>Prerequisite CSCI 1371</i> )	3	
F	MATH 3101 Linear Algebra ( <i>Prerequisite MATH 2111</i> )	3	
	<b>TOTAL HOURS</b>	<b>17</b>	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2025 Introduction to Signal Processing ( <i>Prerequisites CSCI 1371 &amp; MATH 2111</i> )	4	
MAJOR	ENGR 2031 Digital Design Laboratory ( <i>Prerequisite ENGR 2030</i> )	2	
MAJOR	CSCI 3000 Data Structures ( <i>Prerequisite CSCI 1610</i> )	3	
E	HIST 2111 OR 2112 US History	3	
	<b>TOTAL HOURS</b>	<b>16</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 2040 Circuit Analysis ( <i>Prerequisites ENGR2025, PHYS 2212K and MATH 3301</i> )	3	
F	MATH 3602 Linear and Discrete Mathematics ( <i>Prerequisite MATH 2111</i> )	4	
E	ECON 2105 Principles of Micro-Economics	3	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
E	POLS 2401 Global Issues	3	
	<b>TOTAL HOURS</b>	<b>16</b>	
<b>Total to Graduate</b>		<b>98</b>	

CORE CURRICULUM AREAS (A-E)

45

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

33

Major

16

INSTITUTIONAL REQUIREMENTS

4

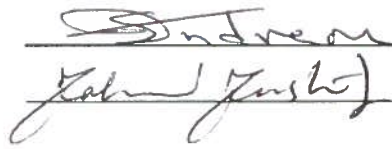
TOTAL HOURS

98 HOURS

**STUDENT AGREEMENT**

I agree to follow the above schedule.

Student Signature



Approved By:

Program Coordinator

Department Chair

PREPARED BY:  
Dr. Spyros Andreou, PE  
Regents Engineering Transfer Program  
Coordinator  
Approved: January 2013  
Modified: 9/9/2013

Date: 6/7/2013

Date: 6/7/2013

## RETP ELECTRICAL ENGINEERING CURRICULUM GRID

Student Name \_\_\_\_\_

SID \_\_\_\_\_

Date Started \_\_\_\_\_

Advisor \_\_\_\_\_

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year Experience	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus ( <i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i> )	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I ( <i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i> )	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	<b>TOTAL HOURS</b>	<b>15</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II ( <i>Prerequisite ENGL 1101</i> )	3	
F	CHEM 1212 Principles of Chemistry II ( <i>Prerequisite CHEM 1211</i> )	3	
F	CHEM 1212L Principles of Chemistry II Lab ( <i>Prerequisite CHEM 1211L</i> )	1	
A	MATH 2101 Calculus I ( <i>Prerequisite MATH 1113</i> )	4	
E	POLS 1101 American Government	3	
F	CSCI 1301 Computer Science I	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II ( <i>Prerequisite MATH 2101</i> )	4	
F	CSCI 1371 Computing for Engineers and Scientists ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2211K Principles of Physics I ( <i>Prerequisite MATH 2101</i> )	4	
B	HUMN 1201 Critical Thinking & Communications	3	
C	RPHS 2241 Ethics	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III ( <i>Prerequisite MATH 2111</i> )	4	
F	CSCI 1302 Computer Science II ( <i>Prerequisite CSCI 1301</i> )	3	
D	PHYS 2212K Principles of Physics II ( <i>Prerequisite PHYS 2211K</i> )	4	
MAJOR	ENGR 2030 Introduction to Computer Engineering ( <i>Prerequisite CSCI 1371</i> )	3	
F	MATH 3101 Linear Algebra ( <i>Prerequisite MATH 2111</i> )	3	
	<b>TOTAL HOURS</b>	<b>17</b>	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2025 Introduction to Signal Processing ( <i>Prerequisites CSCI 1371 &amp; MATH 2111</i> )	4	
MAJOR	ENGR 2031 Digital Design Laboratory ( <i>Prerequisite ENGR 2030</i> )	2	
Institution	HEDU	1	
B	AFRS 1501 African American History	2	
E	HIST 2111 OR 2112 US History	3	
	<b>TOTAL HOURS</b>	<b>16</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 2040 Circuit Analysis ( <i>Prerequisites ENGR2025, PHYS 2212K and MATH 3301</i> )	3	
F	MATH 3602 Linear and Discrete Mathematics ( <i>Prerequisite MATH 2111</i> )	4	
E	ECON 2105 Principles of Micro-Economics	3	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
E	POLS 2401 Global Issues	3	
	<b>TOTAL HOURS</b>	<b>16</b>	
		<b>Total to Graduate</b>	<b>98</b>

CORE CURRICULUM AREAS (A-E)

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

Major

INSTITUTIONAL REQUIREMENTS

TOTAL HOURS

45

36

13

4

98 HOURS

**STUDENT AGREEMENT**

I agree to follow the above schedule:

\_\_\_\_\_

Student Signature

Approved By:

Program Coordinator

Department Chair

*Spyros Andreou*  
*John Jankov*

PREPARED BY:  
Dr. Spyros Andreou, PE  
Regents Engineering Transfer Program  
Coordinator  
Approved: January 2013  
Modified: 9/9/2013

Date: 6/7/2013

Date: 6/7/2013



## RETP Mechanical ENGINEERING CURRICULUM GRID

Student Name \_\_\_\_\_

SID \_\_\_\_\_

Date Started \_\_\_\_\_

Advisor \_\_\_\_\_

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year Experience	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus ( <i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i> )	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I ( <i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i> )	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	<b>TOTAL HOURS</b>	<b>15</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II ( <i>Prerequisite ENGL 1101</i> )	3	
F	CHEM 1212 Principles of Chemistry II ( <i>Prerequisite CHEM 1211</i> )	3	
F	CHEM 1212L Principles of Chemistry II Lab ( <i>Prerequisite CHEM 1211L</i> )	1	
A	MATH 2101 Calculus I ( <i>Prerequisite MATH 1113</i> )	4	
MAJOR	ENGR 2770 Engineering Graphics ( <i>Prerequisite MATH 1113</i> )	3	
E	POLS 1101 American Government	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II ( <i>Prerequisite MATH 2101</i> )	4	
F	CSCI 1371 Computing for Engineers and Scientists ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2211K Principles of Physics I ( <i>Prerequisite MATH 2101</i> )	4	
MAJOR	ENGR 2001 Principles of Engineering Materials ( <i>Prerequisites CHEM 1211 &amp; CHEM 1211L</i> )	3	
C	RPHS 2241 Ethics	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2201 Statics for Engineers ( <i>Prerequisites MATH 2111 and PHYS 2211K</i> )	3	
D	PHYS 2212K Principles of Physics II ( <i>Prerequisite PHYS 2211K</i> )	4	
MAJOR	ENGR 2016 Computing Techniques ( <i>Prerequisite CSCI 1371</i> )	3	
F	MATH 3101 Linear Algebra ( <i>Prerequisite MATH 2111</i> )	3	
	<b>TOTAL HOURS</b>	<b>17</b>	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2110 Creative Decisions and Design ( <i>Prerequisites ENGR2770 &amp; CSCI 1371</i> )	3	
MAJOR	ENGR 2202 Dynamics of Rigid Bodies ( <i>Prerequisites ENGR2201 &amp; CSCI 1371</i> )	3	
B	HUMN 1201 Critical Thinking & Communications	3	
Institution	HEDU	1	
E	HIST 2111 OR 2112 US History	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 3322 Engineering Thermodynamics ( <i>Prerequisites PHYS 2212K, CSCI 1371 &amp; MATH 3301</i> )	3	
F	MATH 3602 Linear and Discrete Mathematics ( <i>Prerequisite MATH 2111</i> )	4	
E	POLS 2401 Global Issues	3	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
B	AFRS 1501 African American History	2	
E	ECON 2105 Principles of Micro-Economics	3	
	<b>TOTAL HOURS</b>	<b>18</b>	
<b>Total to Graduate</b>		<b>101</b>	

CORE CURRICULUM AREAS (A-E)

45

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

30

Major

22

INSTITUTIONAL REQUIREMENTS

4

TOTAL HOURS

101 HOURS

**STUDENT AGREEMENT**

I agree to follow the above schedule.

Student Signature

*Spyros Andreou*  
*John J. Jushko*

Approved By: Program Coordinator

Department Chair

PREPARED BY:  
 Dr. Spyros Andreou, PE  
 Regents Engineering Transfer Program  
 Coordinator  
 Approved: January 2013  
 Modified: 9/9/2013

Date: 6/7/2013

Date: 6/7/2013