



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

1. Submitting College: COST



2. Department(s) Generating The Proposal:

Natural Sciences



Choose an item.

3. Proposal Title: Update and corrections to Environmental Science grid

4. Course Number(s): N/A

5. Course Title(s): N/A

6. Effective Date: Fall



Year: 2016

7. Brief Summary of Proposal:

The current grid mistakenly lists 128 instead of 125 cr. Adjustments were made to the credit distribution in different areas to reach 65 cr in areas A-F, and 60 credits in the major, for a total of 125 cr. One course requirement needed to be updated (ENVS 3201+L).

8. Type of Proposal: Program Change



If other, please describe:

9. Impact on Library Holdings

Existing: N/A

Additional: N/A

Deletions: N/A

10. Impact on Existing Programs:

none

11. Additional Resources Required

Personnel: none

Non-personnel: none

12. Approvals:

• Department Curriculum Committee: Signature Kenneth S. Syre Date: 2/11/16

• Department Chair: Signature Carol J. R.ick Date: 2-11-16

• College Curriculum Committee: Signature _____ Date: _____

• College Dean: Signature [Signature] Date: 02/12/16

• Provost/VP of Academic Affairs: Signature K. Holmes Date: 5/2/16
(Chair of the New Programs and Curriculum Committee)

• Faculty Senate: Signature Kenneth A. Jordan Date: 5/13/16



**Savannah State University
New Programs and Curriculum Committee
Program Change Page – Form V**

1. **Program Name:** Environmental Science
2. **Rationale:** To fix the grid which unintentionally lists 128 required credits for the degree when it was intended to be 125 cr, and to update a course requirement change (from MSCI 4301K to ENVS 3201 + 3201L).
3. **Resource Statement:** no additional resources needed
4. **Additional *existing* courses required for completion of program:** Existing courses ENVS 3201 Limnology and ENVS 3201 Limnology lab are now required, replacing MSCI 4301K Limnology and Biological Oceanography
5. **Additional *new* courses required for completion of program [Attach Form II for each course]:**
N/A
6. **Additional *existing* courses which can be used as *electives* in program:**
N/A
7. **Additional *new* courses which can be used as *electives* in program [Attach Form II for each course]:**
N/A
8. **Deletion of *existing* required courses [Attach Form III for each course]:**
N/A
9. **Deletion of *existing* elective courses [Attach Form III for each course]:**
N/A
10. ***Existing* course changes [Attach Form IV for each course]:** N/A
11. **Change in admissions requirements:** N/A
12. **Change in other degree requirements:**
BIOL 1107L moved from area D to F;
ENVS 3121 moved from area F to M;
NEW TOTALS:
11 area D credits instead of 12 (-1 net change);
17 area F credits instead of 19 (-2 net change);
38 major required credits instead of 35 (+3 net change);
12 major open elective credits instead of 15 (-3 net change);
NET OVERALL REDUCTION OF 3 CR ON THE GRID TO TOTAL 125 CR FOR THE DEGREE.
13. **Change in number of required credits:** N/A

14. **Change in number of *elective* credits:** Elective credits reduced by 3, from 15 to 12 elective credit hrs.
15. **Change in number of total credits required for the degree:** All printed documentation lists 125 cr as required, except that the grid currently in use actually adds up to 128 cr.
16. **Other information:** N/A

Description of Requested Modifications to the Environmental Science Grid:

Errors existed in the degree program changes that were approved in Fall 2010. These errors resulted in the current Environmental Science grid listing 128 cr of classes, despite documentation stating that only 125 cr are required for the degree. To fix this, we have reduced the number of open elective credits required by 3 cr.

In addition, 1 credit needed to be shifted out of area D to reduce the total in Areas A-F to 65 cr. Area D was reduced from 12 to 11 cr. This was accomplished by moving BIOL 1107L to Area F. Since MATH 2101 in Area F is 4 cr instead of 3 cr (error on current grid) and since BIOL 1107L was moved to area F, the number of credits in Area F then needed to be decreased. By moving ENVS 3121 Environmental Ethics to Area M (Major Requirements), Areas A-F will now total 65 cr, with 17 cr in area F instead of 19.

With the addition of ENVS 3121 Environmental Ethics as a major requirement, the total number of major course credits needed to be reduced back down to 60 cr. This was accomplished by reducing the major elective credits from 15 to 12 cr.

The net impact on the students in terms of changes in degree requirements is a reduction of 3 cr from the open elective area.

In addition to the changes above, one required course was changed in 2015 that needed to be updated on the grid. The grid was corrected to reflect that ENVS 3201 Limnology and ENVS 3201L Limnology Lab are now required instead of MSCI 4301K Limnology and Biological Oceanography.

COLLEGE OF SCIENCE AND TECHNOLOGY
ENVIRONMENTAL SCIENCE MAJOR

Effective: Fall 2016

Name:	
Student ID:	
Date of Entrance:	
Catalog Date:	

GENERAL EDUCATION (Areas A-F)- 65 Sem.Hrs (SH)

	Sem	Grade	Hrs
Area A Essential Skills/Science – 9 SH			
ENGL 1101-Eng Comp I			3
ENGL 1102-Eng Comp II			3
MATH 1113-Pre-Calculus			3

Area B Institutional Options/ Science – 5 SH

AFRS 1501-Survey Afr Amer Exper			2
HUMN 1201-Critical Think/Comm			3

Area C Humanities/Fine Arts – 6 SH

			3
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Choose one:

ENGL 2110, 2121, 2122, 2131, 2132, 2222; or PHIL 2101
or PHIL 2241

CITY FILE 2241			
			3

Choose one:

HUMN 2011, ARTS 1101; MUSC 1101; THEA 2101 or ENGL 2521

Area D Science, Math and Tech Science – 11 SH

CHEM 1211 Prin of Chemistry I			3*
CHEM 1211L Prin of Chem I Lab			1*
CHEM 1212 Prin of Chem II			3*
CHEM 1212L Prin of Chem II Lab			1*
BIOL 1107 Prin of Biology I			3*

Area E Social Sciences – 12 SH

HIST 2111-United States History <i>or</i> HIST 2112-United States History		3
POLS 1101-American Government		3
POLS 2401-Global Issues		3
Choose of the following:		3

Choose of the following:

AFRS 2000, ANTH 1101, ECON 2105, GEOG 1101, HIST 1111, HIST 1112, PSYC 1101, PSYC 2103, SOCI 1101, SOCI 1160

ADDITIONAL REQUIREMENTS – 5 SH

Freshmen Year Experience – 2 SH

TIGR 1103-First Year Experience			2
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Health Education -3 SH

HEDU			2
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Choose one: Hedu 1101, 1111, 1201 or 1211

HEDU			1
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Choose one: HEDU 1150, 1301, 1401, 1501, 1511, 1521, 1601, 1611 or 1621

Advisor:	
Graduation Date:	

	Sem	Grade	Hrs
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Area F Related to Major – 17 SH

BIOL 1107L Prin of Biology I Lab			1*
BIOL 1108 Prin of Biology II			3*
BIOL 1108L Prin of Biology II Lab			1*
PHYS 1111K Intro to Physics I			4*
MATH 2101 Calculus			4*
ENVS 2401 Intro to Env Science			3*
ENVS 2401L Intro to Env Sci Lab			1*

MAJOR IN ENVIRONMENTAL SCIENCES

MAJOR COURSES (Areas M, ME, OE) - 60 SH

Area M – Major Required (38 SH)

ENVS 1121K Physical Geology			4*
CHEM 2501 Organic Chemistry I			3*
CHEM 2501L Organic Chem I Lab			1*
ENVS 3121 Environmental Ethics			3*
ENVS 3203 Environmental Chem.			3*
ENVS 3203L Environmental Chem.			1*
ENVS 3621 Env Health Hyg /BIOL 3621			3*
ENVS 4101 Contaminant Hydrology			3*
ENVS 4101L Contamin Hydrol Lab			1*
ENVS 4121 Env Law/ POLS 4101			3*
ENVS 4202 Prin of Ecotoxicology			3*
ENVS 4301 Solid & Haz Waste Mgt			3*
ENVS 3201 Limnology			3*
ENVS 3201L Limnology Lab			1*
ENVS 4801 Internship/MSCI 4902			2*
ENVS 4901 Env SynSem/MSCI4901			1*

Area ME - Major Electives (10 SH)**

CHEM 3101/3101L Analyt Chem			4*
CHEM 3201/3201L Instru Analysis			4*
ENVS 3301/3301L Env Radiation			4*
MSCI 3702 Intro Geog Info System			3*
MSCI 4201K Marine Ecology			4*
ENVS 4401 Env Impact Assess			3*
MSCI 4601 Intro Env Perm Proc			3*
ENVS 4910 Special Topics			3*

Area OE - Open Electives* (12 SH)

Selected from COST courses in consultation with advisor.
Must be 3000/+.

* A minimum grade of "C" is required for these courses

****Extra hours in area ME count in area OE (open electives)**

Total Semester Hours Required = 125

Advisor signature _____

Date _____

COLLEGE OF SCIENCE AND TECHNOLOGY

ENVIRONMENTAL SCIENCE MAJOR

Effective: Fall 2010

Name:			
Date of Entrance:			
Advisor:			

GENERAL EDUCATION - 65 Semester Hours (SH)			
	Sem	Grade	Hrs
Area A Essential Skills/Science – 9 SH			
ENGL 1101-Eng Comp I			3
ENGL 1102-Eng Comp II			3
MATH 1113-Pre-Calculus			3

Area B Institutional Options/ Science – 5 SH			
AFRS 1501-African Amer History			2
HUMN 1201-Critical Think Com -			3

Area C Humanities/Fine Arts – 6 SH			
			3
<i>Choose one:</i> ENGL 2110, 2121, 2122, 2131, 2132, 2222; or RPHS 2101 or RPHS 2241			
			3
<i>Choose one:</i> HUMN 2011, ARTS 1101; MUSC 1101; THEA 2101 or ENGL 2521			

Area D Science, Math and Tech Science – 12 SH			
BIOL 1107 Prin of Biology I			3*
BIOL 1107L Prin of Biology I Lab			1*
CHEM 1211 Prin of Chemistry I			3*
CHEM 1211L Prin of Chem I Lab			1*
CHEM 1212 Prin of Chem II			3*
CHEM 1212L Prin of Chem II Lab			1*

Area E Social Sciences – 12 SH			
HIST 2111-United States History or HIST 2112-United States History			3
POLS 1101-American Government			3
POLS 2401-Global Issues			3
<i>Choose of the following:</i> AFRS 2000, ANTH 1101, ECON 2105, GEOG 1101, HIST 1111, HIST 1112, PSYC 1101, PSYC 2103, SOCI 1101, SOCI 1160			

ADDITIONAL REQUIREMENTS – 5 SH			
Freshmen Year Experience – 2 SH			
FRES 1101-Freshman Year Exp			1
FRES 1102-Freshman Year Exp II or COST 1103, BUSA 1103, COMM 1100, and CLASS 1103			2
Health Education - 3 SH			
HEDU			2
<i>Choose one: HEDU 1101, 1111, 1201 or 1211</i>			
HEDU			1
<i>Choose one: HEDU 1150, 1301, 1401, 1501, 1511, 1521, 1601, 1611 or 1621</i>			

SID			
Catalog Date:			
Graduation			
	Sem	Grade	Hrs

Area F Related to Major – 18 SH			
PHYS 1111K Intro to Physics I			4*
BIOL 1108 Prin of Biology II			3*
BIOL 1108L Prin of Biology II Lab			1*
MATH 2101 Calculus			3*
ENVS 2401 Intro to Env Science			3*
ENVS 2401L Intro to Env Sci Lab			1*
ENVS 3121 Environmental Ethics			3*

Major in Environmental Science – 60 Hrs			
Area M – Major Required (35 SH)			
ENVS 1121K Physical Geology			4*
CHEM 2501 Organic Chemistry I			3*
CHEM 2501L Organic Chemist I Lab			1*
ENVS 3203 Environmental Chem.			3*
ENVS 3203L Environmental Chem.			1*
ENVS 3621 Env Health Hyg /BIOL 3621			3*
ENVS 4101 Contaminant Hydrology			3*
ENVS 4101L Contamin Hydrol Lab			1*
ENVS 4121 Env Law/ POLS 4101			3*
ENVS 4202 Prin of Ecotoxicology			3*
ENVS 4301 Solid & Haz Waste Mgt			3*
MSCI 4301K Limnol & Biol Oceano			4*
ENVS 4801 Internship/MSCI 4920			2*
ENVS 4901 Env Syn Semina/MSCI 4901			1*
Area M E Major Electives (10 SH)			
CHEM 3101/3101L Analyt Chem			4*
CHEM 3201/3201L Instru Analysis			4*
ENVS 3301/3301L Env Radiation			4*
MSCI 3702 Intro Geog Info System			3*
MSCI 4201K Marine Ecology			4*
ENVS 4401 Env Impact Assess			3*
MSCI 4601 Intro Env Perm Proc			3*
ENVS 4910 Special Topics			3*
Area OE - Open Electives* (15 SH)			

Selected from biology, marine science, math, physics, forensic science, and chemistry in consultation with advisor.

Total Semester Hours Required = 125

Updated: Fall 2010

* A minimum grade of "C" is required for this course