CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

DEPARTMENT OF OCEANOGRAPHY

BS IN ENVIRONMENTAL GEOSCIENCES

AND MS IN OCEANOGRAPHY 3+2

Texas A&M University
Request for a Change in Curriculum
Undergraduate ♦ Graduate ♦ Professional

1. Program request type: ☑Undergraduate ☑Graduate ☐First Professional *(ex., DVM, JD, MD, etc.)*

2. Request change for: ☑Degree Program ☐Minor ☐Certificate

3. Request submitted by *(Department or Program Name)*: Oceanography

4. Program Designation and Name *(e.g., B.A. in History, Minor in History, Certificate in European Union)*: Environmental Geosciences - 5-Year Bachelor ofScience/Master of Science

5. Brief description of change:
Adjust the catalog program requirements to match the degree evaluation and clarify options for students

Includes change to GR program (attached). sw

6. Rationale for change:
There were errors associated with the entering of the program requirements into the new electronic catalog. These need to be corrected. A few corrections were also made to the degree evaluation.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑Yes ☐No

   b. Current catalog curriculum with handwritten edits attached. ☑Yes ☐No

   c. Current Howdy degree evaluation with handwritten edits attached. ☑Yes ☐No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐Yes ☑No

   b. If yes, degree program hours will change from: _____ to: _____

   c. If yes, is the Texas Higher Education Coordinating Board form attached? ☐Yes ☑No
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached? ☑Yes ☐No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and **fully approved** by February (*December-UCC/GC, January-Faculty Senate, February-President*) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Department Head or Program Chair *(Type Name & Sign)* 11/2/2015 Date

Dean of College 10/30/2015 Date

Chair, College Review Committee 10/30/2015 Date

Chair, GC or UCC Date

RECEIVED
NOV 06 2015
CURRICULAR SERVICES

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu

COLLEGE OF GEOSCIENCES

DEPARTMENT OF OCEANOGRAPHY

TEXAS A&M UNIVERSITY

Replacing program graduate (ms in Oceanography) with master of ocean science and Technology for all 3+2 programs

23 November 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Ping Yang, Department Head, Atmospheric Sciences P. Y.
Dr. Michael Pope, Department Head, Geology and Geophysics McP
Dr. Christian Brannstrom, Director Environmental Programs, College of Geosciences

RE: Revisions to the BS-METR-GOC, BS-GEOL-GOC, BA-GEOL-GOC and BS-ENGS-GOC programs.

We are requesting revisions to the 3+2 programs combining the non-thesis MS in Oceanography with the undergraduate METR, GEOL and ENGS degrees. They have been modified to swap out the non-thesis MS in Oceanography with the newly approved non-thesis Master of Ocean Science and Technology. This is simply a swap in the designation of the non thesis Master's degree.

The degree plans remain as modified in the by the corrections recently submitted for approval.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).

O&M Building, Room 1204
3146 TAMU
College Station, TX 77843-3146

Tel. 979.845.7211 Fax 979.845.6331

Environmental Geosciences - 5-Year Bachelor of Science/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Science (B.S.) degree in the Environmental Geosciences program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable these motivated students to coordinate the required B.S. coursework (~~114~~ undergraduate credit hours ~~plus~~ 6 dual credit graduate ~~courses~~) and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate ~~courses~~) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

Application and Eligibility:

- Applications to the Fast Track program will be submitted by July 1 after the completion of the student's junior year. Applications submitted after that time will be evaluated on a case by case basis.
- Applicants must have a minimum undergraduate GPR of 3.0. Applicants ~~must~~ also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted to the program, students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted into the Fast Track program must finish the entire 150 credit hours to obtain both the Bachelor's and Master's degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
- Students admitted to the program will change from U4 to G7 status when they are admitted having completed at least 96 hours (end of spring semester, year 3).
- Students not accepted or not allowed to continue with the Fast Track Program will complete the 120 hour Bachelor's degree under the standard 4 year curriculum. These students may still apply to the traditional graduate program.
- Students will graduate at the completion of the 5th year in the Fast Track Program coursework (150 credit hours) with both Bachelor's and Master's degrees. Students will complete the coursework in May of the 5th year.

Program Requirements

First Year

Fall

		Semester Credit Hours
GEOS 105	Introduction to Environmental Geoscience	3
BIOL 111	Introductory Biology I	4
MATH 151	Engineering Mathematics I	4
E 104	Composition and Rhetoric	3
GEOS 101	Introduction to the Geosciences [1]	1
	Term Semester Credit Hours	**15**

Spring

POLS 206	American National Government	3
BIOL 112	Introductory Biology II	4
MATH 152	Engineering Mathematics II	4
American history		3
Language, philosophy and culture [2]		3
	Term Semester Credit Hours	**17**

Second Year

Fall

Select one of the following: 4

ATMO 201 & ATMO 202	Weather and Climate and Weather and Climate Laboratory
GEOG 203 & GEOG 213	Planet Earth and Planet Earth Lab
GEOL 101	Principles of Geology
OCNG 251 & OCNG 252	Oceanography and Oceanography Laboratory

CHEM 101 & CHEM 111	Fundamentals of Chemistry I and Fundamentals of Chemistry Laboratory I	4
GEOG 201	Introduction to Human Geography	3
American history		3
Environmental Policy Elective		3

Select ~~one of the following:~~ in consultation with advisor

~~AGEC 360~~	~~Environmental and Natural Resource Economics~~
BESC 367	U.S. Environmental Regulations
ECON 202	Principles of Economics
ECON 203	Principles of Economics
ECON 323	Microeconomic Theory
ECON 435	Economics of Resource Scarcity
GEOG 304	Economic Geography
GEOG 306	Introduction to Urban Geography
GEOG 309	Geography of Energy
GEOG 401	Political Geography
GEOG 406	Geographic Perspectives on Contemporary Urban Issues
GEOG 430	Environmental Justice
PHIL 314	Environmental Ethics
POLS 347	Politics of Energy and the Environment
RENR 470	Environmental Impact Assessment
SOCI 328	Environmental Sociology
URPN 202	Building Better Cities
URPN 360	Issues in Environmental Quality
URPN 371	Environmental Health Planning and Policy
URPN 460	Sustainable Communities

Term Semester Credit Hours 17

Spring

Select one of the following: 4

ATMO 201 & ATMO 202	Weather and Climate and Weather and Climate Laboratory	
GEOG 203 & GEOG 213	Planet Earth and Planet Earth Lab	
GEOL 101	Principles of Geology	
OCNG 251 & OCNG 252	Oceanography and Oceanography Laboratory	
CHEM 102 & CHEM 112	Fundamentals of Chemistry II and Fundamentals of Chemistry Laboratory II	4
POLS 207	State and Local Government	3
Technical elective		3
Select one of the following:		
ATMO 321	Computer Applications in the Atmospheric Sciences	
ATMO 441	Satellite Meteorology and Remote Sensing	
ATMO 484	Laboratory Methods in Atmospheric Sciences	
GEOG 312	Data Analysis in Geography	
GEOG 361	Remote Sensing in Geosciences	
GEOG 380	Workshop in Environmental Studies	
GEOG 450	Field Geography	
GEOG 462/ ESSM 462	Advanced GIS Analysis for Natural Resources Management	
GEOG 467	Dynamic Modeling of Earth and Environmental Systems	
GEOG 475	Advanced Topics in GIS (Geographic Information Systems)	
GEOG 476	GIS Practicum	
GEOL 309	Introduction to Geological Field Methods	
GEOL 330	Geologic Field Trips	
GEOL 362/ GEOG 362	GNSS in the Geosciences	
GEOP 413	Near-surface Geophysics	
OCNG 464	Mathematical Modeling of Ocean Climate	
	Term Semester Credit Hours	14
Third Year		
Fall		
STAT 305	Statistical Methods I	3
PHYS 218	Mechanics	4
GEOG 330	Resources and the Environment	3
Coastal and Marine Environments theme elective [3]		6
	Term Semester Credit Hours	16
Spring		
GEOL 420	Environmental Geology	3
PHYS 208	Electricity and Optics	4
Coastal and Marine Environments theme elective [3]		3
Environmental Policy elective		3
Select one of the following:		
AGEC 360	Environmental and Natural Resource Economics	
BESC 367	U.S. Environmental Regulations	
ECON 202	Principles of Economics	
ECON 203	Principles of Economics	
ECON 323	Microeconomic Theory	
ECON 435	Economics of Resource Scarcity	
GEOG 304	Economic Geography	
GEOG 306	Introduction to Urban Geography	
GEOG 309	Geography of Energy	
GEOG 401	Political Geography	
GEOG 406	Geographic Perspectives on Contemporary Urban Issues	
GEOG 430	Environmental Justice	
PHIL 314	Environmental Ethics	
POLS 347	Politics of Energy and the Environment	
RENR 470	Environmental Impact Assessment	
SOCI 328	Environmental Sociology	
URPN 202	Building Better Cities	
URPN 360	Issues in Environmental Quality	
URPN 371	Environmental Health Planning and Policy	
URPN 468	Sustainable Communities	
Creative Arts [2]		3
	Term Semester Credit Hours	16
Fourth Year		
Fall		
GEOS 405	Environmental Geosciences	3
GEOG 390	Principles of Geographic Information Systems	4
OCNG 604	Ocean Observing Systems [5]	3
OCNG 608	Physical Oceanography	3
Fundamentals of Ocean Science Course		3
Select one of the following: [4,5]		
OCNG 620	Biological Oceanography	
OCNG 630	Geological Oceanography	
OCNG 640	Chemical Oceanography	
	Term Semester Credit Hours	16
Spring		
OCNG 603	Communicating Ocean Science	3
OCNG 657	Data Methods and Graphical Representation in Oceanography [5]	3
Fundamentals of Ocean Science Course		3
Select one of the following: [4,5]		
OCNG 620	Biological Oceanography	
OCNG 630	Geological Oceanography	
OCNG 640	Chemical Oceanography	
Technical elective		6
Select one of the following:		
ATMO 321	Computer Applications in the Atmospheric Sciences	
ATMO 441	Satellite Meteorology and Remote Sensing	
ATMO 484	Laboratory Methods in Atmospheric Sciences	
GEOG 312	Data Analysis in Geography	
GEOG 361	Remote Sensing in Geosciences	
GEOG 380	Workshop in Environmental Studies	

GEOG 450	Field Geography	
GEOG 462/ ESSM 462	Advanced GIS Analysis for Natural Resources Management	
GEOG 467	Dynamic Modeling of Earth and Environmental Systems	
GEOG 475	Advanced Topics in GIS (Geographic Information Systems)	
GEOG 476	GIS Practicum	
GEOL 309	Introduction to Geological Field Methods	
GEOL 330	Geologic Field Trips	
GEOL 352/ GEOG 352	GNSS in the Geosciences	
GEOP 413	Near-surface Geophysics	
OCNG 451	Mathematical Modeling of Ocean Climate	
	Term Semester Credit Hours	15 16
	Total Semester Credit Hours:	~~120~~ 132

Fifth Year

Fall	**Semester Credit Hours**
Advanced specialized OCNG graduate course	3
Advanced specialized OCNG graduate course	3
Advanced specialized OCNG graduate course	3
Term Semester Credit Hours	9
Spring	
Advanced specialized OCNG graduate course	3
Advanced specialized OCNG graduate course	3
~~Capstone Experience~~	3
Term Semester Credit Hours	9
Total Semester Credit Hours:	18

1 Freshmen entering the program take a first year seminar, GEOS 101. The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

2 It is recommended to select a course that also fulfills an International and Cultural Diversity requirement.

3 Select from course list below. If students use nine credits of allowed OCNG courses (e.g. OCNG 401,OCNG 350, OCNG 451, OCNG 485) as Coastal and Marine Environments theme electives, they will receive an OCNG minor with their BS in ENGS degree. If one of the Introductory Geoscience course and associated labs listed in Year Two is OCNG 251 with OCNG 252, then only two (six credits) of the theme electives needs to be from OCNG to still get the minor.

4 Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g.OCNG 440/OCNG 640; GEOS 470/OCNG 657).

5 ~~These~~ two graduate courses will be taken for dual undergraduate/ graduate credit and ~~will contribute to the minor~~. may contribute to a minor or technical elective

~~Coastal and Marine Environments Theme List~~

GEOG 370/ MARS 370	~~Coastal Processes~~	3
OCNG 401	Interdisciplinary Oceanography	3

in consultation with advisor

Select the remaining courses ~~from the following:~~ [4]

GEOG 331	Geomorphology	3
GEOG 360	Natural Hazards	3
GEOL 306	Sedimentology and Stratigraphy	4
GEOL 440	Engineering Geology	3
GEOS 444	The Science and Politics of Global Climate Change	3
GEOS 484	Internship	0-6
OCNG 350	Marine Pollution	3
OCNG 410	Introduction to Physical Oceanography	3
OCNG 420	Introduction to Biological Oceanography	3
OCNG 425	Microbial Oceanography	3
OCNG 430	Introduction to Geological Oceanography	3
OCNG 440	Introduction to Chemical Oceanography	3
WFSC 416	Ecology of the Coastal Zone	3
WFSC 425	Marine Fisheries	3
WFSC 428	Wetland Ecosystem Management	4

Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degree.

Any of the required courses may be taken during the summer sessions to diminish the heavy semester loads during Years 2 and 3.

OCNG 661 Advanced Oceanographic Data Analysis and Communication

Detail Requirements

Roxanna R. Russell
Oct 16, 2015 10:53 am

Viewing: Degree Evaluation (DEGEVAL, , Email)
Change Student

Information for Degree Evaluation
This is NOT an official evaluation.

Shortcut to the FTR program as a Fast Track

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.
Limitation No more than 6 hours of 484 credit may be used in this degree program.

Program :	BS ENGS ~~- 3+2 Program~~ GOC program	**Catalog Term :**	Fall 2015 - College Station
Campus :	College Station	**Evaluation Term :**	Fall 2015 - College Station
College :	Geosciences	**Expected Graduation Date :**	
Degree :	Bachelor of Science	**Request Number :**	5
Level :	Undergraduate	**Results as of :**	Oct 16, 2015
Majors :	Environmental Geoscience	**Minors :**	
Departments :	College of Geosciences	**Concentrations :**	

	Met	Credits Required	Credits Used	Courses Required	Courses Used
Total Required :	No	120.000	0.000		0
Program GPA :	No	3.00	.00		
Overall GPA :	No	2.00	.00		
Other Course Information					
Transfer :			0.000		0

This is NOT an official evaluation.

Area : Major Coursework (16.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	GEOS 105													
No	AND	B.	GEOS 405													
No	AND	C.	GEOS 470													
No	AND	D.	GEOG 330													
No	AND	E.	GEOL 420													

No AND F. Seminar 1hr
Select from GEOS 101 or GEOS 481.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Supporting Coursework (20.000 credits) - Not Met
:

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	PHYS 208													
			~~Must make a grade of 'C' or better.~~													
No	AND	B.	Technical Electives 16hrs 7 Select in consultation with advisor ~~Select from ATMO 321, 441, 464; GEOG 312, 361, 380, 390, 450, 462, 467, 475, 476; GEOL 306, 309, 330, 352; GEOP 419; OCNG 451.~~ remove here move to required													
No	AND	C.	Environment Policy Elect 6hrs select in consultation with advisor ~~Select from AGEC 350; BESC 367; ECON 202, 203, 323, 435; GEOG 304, 306, 309, 360, 401, 406, 430; GEOS 430; PHIL 314; POLS 347; RENR 420, 470; SOCI 328; URPN 301, 360, 371, 460.~~ add URPN 361													
AND		D.	GEOG390 ←													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Environmental Theme Electives (18.000 credits) - Not Met
:

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	GEOG 370/MARS 370													
~~No~~	~~AND~~	~~B.~~	~~OCNG 491~~													
~~No~~	~~AND~~	~~C.~~	~~OCNG 684~~													
~~No~~	~~AND~~	~~D.~~	~~OCNG 688~~													
No	AND	E.	Environmental Electives 6hrs 15 in consultation with advisor OCNG 500-499 Select ~~remaining~~ 15 hrs ~~from: GEOG 331, 360; GEOL 306, 440; GEOS 401, 444, 484; OCNG 330, 425; WFSC 418, 425, 428.~~ 6 hours will come from two dual credit OCNG 600-699 courses													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Communication (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source

No		A.	ENGL 104
No	AND	B.	Communication Rqmt 3hrs
			Select 3 hours from any courses with the Communication attribute [KCOM].

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Mathematics (11.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	MATH 151													
			~~Must make a grade of 'C' or better.~~													
No	AND	B.	MATH 152													
			~~Must make a grade of 'C' or better.~~													
No	AND	C.	STAT 3~~02~~ 241													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Life and Physical Sciences (28.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Intro Geosciences Course 4hrs													
			Select from ATMO 201/202; GEOG 203/213; GEOL 101 or OCNG 251/252.													
No	AND	B.	Intro Geosciences Course 4hrs													
			Select from ATMO 201/202; GEOG 203/213; GEOL 101 or OCNG 251/252 not used in Rule A.													
No	AND	C.	BIOL 111													
No	AND	D.	BIOL 112													
No	AND	E.	CHEM 101/111													
			~~Must make a grade of 'C' or better.~~													
No	AND	F.	CHEM 102/112													
			~~Must make a grade of 'C' or better.~~													
No	AND	G.	PHYS 218													
			~~Must make a grade of 'C' or better.~~													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Language, Philosophy & Culture (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Lang, Phil, Culture Rqmt 3hrs													
			Select any course with the Language, Philosophy and Culture attribute [KLPC].													
								Total Credits and GPA						0.000	.00	

unofficial evaluation

Area : Creative Arts (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Creative Arts Requirement													
			Select three hours from any course with the Creative Arts attribute [KCRA].													
								Total Credits and GPA						0.000	.00	

unofficial evaluation

Area : Social and Behavioral Science (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	GEOG 201													
								Total Credits and GPA						0.000	.00	

unofficial evaluation

Area : Citizenship (12.000 credits) - Not Met

Description : Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	American History Rqmt 6hrs													
			Select from any course with the [KHIS] attribute.													
No	AND	B.	Political Science Rqmt 6hrs													
			Take POLS 206 and POLS 207.													
								Total Credits and GPA						0.000	.00	

unofficial evaluation

Area : **Work Not Applied - Met**

Description : See advisor for acceptable substitutions.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Courses not applied													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **University Writing Requirement - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Writing Requirement													

Two courses required.
Only sections of ATMO 456, 459, 463, 491; GEOG 309, 324, 360, 404, 430, 435, 476, 491; GEOL 301, 311-312, 410 420, 440, 491; GEOP 491; GEOS 405, 491; UGST 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **Int'l & Cult Diversity - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Int'l & Cultural Diversity 6hr													

Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **Foreign Language - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Foreign Language Rqmt													

Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for University credit.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **Residence Requirement - Not Met**

Description : A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Residence Major 12hrs Select from AGEC 350; BESC 367; ECON 323, 435; GEOG 304, 309, 330, 360, 401, 406, 430; GEOL 420; GEOS 401, 405, 470, 481; POLS 347; RENR 470; SOCI 328; URPN 360, 371, 460.												
No	AND	B.	Residence 300-499 24hrs Select any 300 or 400 level coures.													

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **GPR-Major - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Major GPR 27+hrs Includes ATMO 201, 202; GEOG 201, 203, 213, 330; GEOL 101, 104, 420; GEOS 101, 105, 405, 470, 481; OCNG 251, 252, 657.													

Total Credits and GPA 0.000 .00

unofficial evaluation

Back to Display Options

3

Print

COLLEGE OF GEOSCIENCES

DEPARTMENT OF OCEANOGRAPHY

TEXAS A&M UNIVERSITY

23 October 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Christian Brannstrom, Director, Environmental Programs

RE: Revisions to catalog degree requirements for the Joint degree program between Oceanography and Environmental Geosciences program

I have attached a revision to the Fast Track 3+2 program for ENGS and the non-thesis MS in Oceanography. It has been modified to fix the errors in the catalog degree requirements and degree evaluation.

Catalog changes include:

Second Year Spring

- Add the communications elective increasing the semester credit hours from 14 to 17
- Replace the technical elective with a Theme Elective

Third Year Fall

- Replace STAT 303 Statistical Methods with STAT 211 Statistical Methods I.

Third Year Spring

- Replace the theme elective with GEOS 470 Data Analysis Methods in Geosciences. This is normally required for ENGS majors.

Fourth Year Spring

- Add theme elective increasing the semester credit hours from 15 to 18

Total Four year hours

- Correcting the total credits for four years to 132. There 12 graduate only credit hours in the fourth year along with 6 hours of dual graduate/undergraduate credit. Any 600 level OCNG course can be used for the dual credit.

Fifth Year Spring

- Correct the Capstone Experience to the actual course ONG 661 Advanced Oceanographic Data Analysis and Communication

Degree Evaluation edits include:

- Program: BS ENGS GOC Program. I think this is supposed to be a GOC program like the other 3 3+2 programs Oceanography has with undergraduate majors in the College of Geosciences.

O&M Building, Room 1204
3146 TAMU
College Station, TX 77843-3146

Tel. 979.845.7211 Fax 979.845.6331

Supporting Coursework

- Technical Electives are reduced to 7 hours to reflect the move of GEOG 390 to required.
- Add URPN 361 as a policy elective option.

Environmental Theme Electives

- Remove OCNG 401, OCNG 604 and OCNG 608 as required.
- Change electives to 15 hours
- Include any 300 or 400 level OCNG course.
- Add statement for dual credit graduate courses. "6 hours will come from two dual credit OCNG 600-679 courses.

Mathematics

- Change STAT 303 to STAT211
- Remove the must make a grade of 'C' or better requirements from the degree evaluation

Life and Physical Sciences

- Remove the must make a grade of 'C' or better requirements from the degree evaluation

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).