

Special Consideration Items

Department of Marine Sciences

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Patrick Louchouart, Ph.D.

Department Head

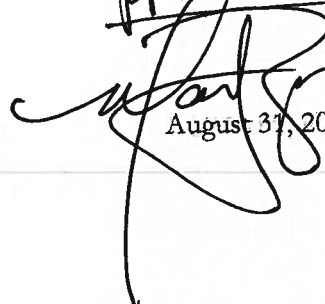
Professor

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GALVESTON

Dr. Donna Lang
Texas A&M University at Galveston
PO Box 1675
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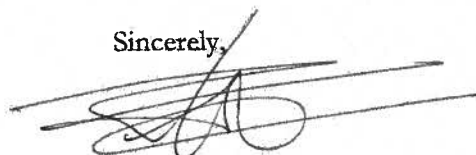
Approved by GC:

August 31, 2012 Mark J. Texan
Chair, GC
10/26/12

The department of Marine Sciences would like to offer a degree program that allows ocean and coastal resources (OCRE) majors to enter the graduate program for a master of marine resources management at the beginning of their fourth year at Texas A&M University at Galveston. This would enable students to receive their OCRE undergraduate degree (B.S.) and a Master of Marine Resources Management (MARM) graduate degree in five years.

Students admitted to the 5-year degree program will have completed 102 of the 120 hours of course work required to receive a bachelor's degree. These courses must include the specific prerequisites for a Bachelor of Science degree in Ocean and Coastal Resources, as well as the core curriculum courses required by Texas A&M University for an undergraduate degree.

Our plan is to begin offering this pathway to the students as soon as possible. Please consider this request to facilitate this process.

Sincerely,



Patrick Louchouart
Department Head, Marine Sciences

5 Year Degree Program: Ocean and Coastal Resources-Master of Marine Resources Management

Texas A&M University at Galveston, Department of Marine Sciences

TAMUG's department of Marine Sciences will offer a degree program that allows ocean and coastal resources (OCRE) majors to enter the graduate program for a master of marine resources management at the beginning of their fourth year at Texas A&M University at Galveston. This enables students to receive their OCRE undergraduate degree (B.S.) and a Master of Marine Resources Management (MARM) graduate degree in five years.

Description

Students admitted to the 5-year degree program will have completed 102 of the 120 hours of course work required to receive a bachelor's degree. These courses must include the specific prerequisites for a Bachelor of Science degree in Ocean and Coastal Resources, as well as the courses required by Texas A&M University at Galveston for an undergraduate degree.

Modified Ocean and Coastal Resources Bachelor of Science first 3 years

Ocean and Coastal Resources		Hours			Hours
Freshman		Fall			Spring
cnsl 104	Composition and Rhetoric	3	biol 112	Introductory Biology	4
geol 104	Physical Geology	4	math 161	Engineering Mathematics II	3
hist	American History Requirement	3	or math 166	Topics in Contemporary Mathematics	
math 151	Engineering Mathematics I	4	ocng 251	Oceanography	3
polo 206	American National Government	3	ocng 252	Oceanography Laboratory	1
			polo 207	State and Local Government	3
			mars 210	Marine Geography	3
			kine 198	Health and Fitness Activity	1
Total Hours		17	Total Hours		18
Sophomore		Fall			Spring
chem 101	Fundamentals of Chemistry I	3	chem 102	Fundamentals of Chemistry II	3
chem 111	Fund. Chemistry Laboratory I	1	chem 112	Fund. Of Chemistry II	1
comm 203	Public Speaking	3		elective-Humanities	3
econ 202	Principles of Economics	3	phil 314	Environmental Ethics	3
mars 280	Coastal and Ocean Resources	3	mgmt 211	Legal and Social Environment of Business	3
mars 281	Sophomore Seminar in MARS	1	hist	American History Requirement	3
phys 218	Mechanics	4	kine 199	Required Physical Activity	1
or phys 201	College Physics		Total Hours		17
Total Hours		18			
Junior		Fall			Spring
mars 350	Advanced Computer Applications	2	engl 301	Technical Writing	3
mars 425	Wetlands Ecology and Management	3	mars 430	Geological Oceanography Requirement*	3
& mars 426	Coastal Wetlands Delineation Laboratory	1	mars 310	Field Methods in Marine Sciences	3
mars 481	Seminar	1	stat 303	Statistical Methods	3
	professional elective	3	mars 485	Directed Studies	1
ocng 420	Introduction to Biological Oceanography	3		professional elective	3
polo 347	Politics of the Energy & Environment	3			
Total Hours		16	Total Hours		16
Hours to be completed prior to admission to the graduate courses			102		

Admitted students will be enrolled in Marine Resources Management graduate courses with an undergraduate classification (U4) during the fall of their fourth year and will be re-classified as degree-seeking master's students (G7) upon completing 120 credit hours. This will normally occur at the beginning of the fall semester of year five.

Students will be required to complete the same 2-year, 36-hour curriculum as other students admitted to the MARM program. The curriculum combines 9 core courses (24 cr) in resources management, policy and economics with 12 credit hours of electives. At least one elective must be a science elective and at least one must be additional law/policy/management.

Note: If students are interested in the MARM thesis option, then there is additional flexibility to replace required graduate courses with up to 6 hours of 691 (research) and electives chosen with the approval of their thesis advisor and committee. To comply with the course and work requirements of the thesis option, this program may extend beyond the 5 years window. For specific requirements to comply with the thesis option curriculum, students are asked to consult the MARM section of the TAMUG catalog.

Administration/Application

Ocean and coastal resources majors who have at least a 3.25 GPA and who will have taken all of their prerequisite courses and otherwise completed 103 hours by the fall of their fourth year will be eligible to apply for the 5-year program during their junior year. Applicants to the 5-year program will submit the same materials (including GRE scores) as other MARM applicants, and those whose records are judged to be competitive by the mid-January deadline will be admitted. Admission criteria will be the same as for other MARM students.

Students who choose not to finish the MARM degree after being admitted to the 5-year program may exit the program at any time. Completed MARM courses will be applied to their bachelor's degree in ocean and coastal resources, as appropriate. Failure to complete the MARM program will in no way impede their ability to attain a bachelor's degree in ocean and coastal resources when the requirements for that degree are completed.

Those who pursue the joint program will receive both degrees upon completion of the entire 5-year program. Students will not graduate with a bachelor's degree in year four, but rather will earn both their Bachelor of Science and Master of Marine Resources Management at the end of year five.

Fifth Year Curriculum

Senior Year / First year of Fifth year program		Fall			Spring
	professional elective	3	mara 604	marine natural resource economics	3
mars 615	Physical & Geochemical Marine Resources	3	marb 620	marine biological resources	3
mars 676	environmental policy	3	mars 675	environmental mgmt strategies for scientists	2
mars 625	GIS Based Modeling for Coastal Resources	2		professional elective	3
Total Hours		11	Total Hours		11
Fall / 2nd year of Fifth year program		Fall			Spring
mars 635	Environmental Impact Statements & NRDA	3	mars 680	Integrative Analyses in Marine Resources	2
	MARM elective	3	mars 652	Sustainable Management of Coastal Margins	3
	MARM elective	3		MARM elective	3
				MARM elective	3
Total Hours		9	Total Hours		11
Total Hrs for Combined OGRF/MARM as 5th Year		144			
(102 before starting grad school + 6 after = 108 undergraduate hours)					
Graduate credit hours total = 36					
sub marm electives (6) for free electives (6) and apply (6) hours of CBE = 150					

As indicated above, students will take 12 fewer undergraduate credit hours. Graduate courses taken in the fifth year program will be counted as credit towards their MARM degree (Credit by Exam credit will be awarded upon completion of examination in mara 604 & mars 625 for econ 323 and mars 325 respectively. Course adjustments will be allowed for (6) hours of undergraduate elective credit to use (6) hours of MARM elective credits.)

Advising

Advising for the 5-year program is a coordinated effort by the Department of Marine Sciences undergraduate and graduate advisors and by the Office of Graduate Studies. Advising by the department will help ensure that interested students have satisfied the prerequisite course requirements for the bachelor's degree by the start of their senior year.

Ocean and coastal resources students can speak to Dr. Melanie Lesko, assistant department head of Marine Sciences and undergraduate advisor, at leskom@tamug.edu or 409-740-4517. The MARM graduate advisor is Dr. Frederick Schlemmer (schlemme@tamug.edu or 409-740-4518).

5 Year Degree Program: Ocean and Coastal Resources-Master of Marine Resources

BS Ocean and Coastal Requirements

Master of Marine Resource Requirements

Prefix	Number	Title	Cr	Prefix	Number	Title	Cr
ENGL	104	Composition and Rhetoric	3 x				
GEOL	104	Physical Geology	4 x				
KINE	198	Health and Fitness Activity	1 x				
MATH	151	Engineering Mathematics	4 x				
POLS	206	American National Government	3 x				
BIOL	112	Introductory Biology II	4 x				
KINE	199	Required Physical Activity	1 x				
MATH	161	Engineering Mathematics II	3 x				
Or Math	166	Topics in Contemporary Mathematics II	~				
OCNG	251	Oceanography	3 x				
OCNG	252	Oceanography Laboratory	1 x				
POLS	207	State and Local Government	3 x				
CHEM	101	Fundamentals of Chemistry I	3 x				
CHEM	111	Fundamentals of Chemistry Laboratory I	1 x				
COMM	203	Public Speaking	3 x				
MARS	280	Coastal and Ocean Resources	3 x				
MARS	281	Sophomore Seminar in MARS	1 x				
PHYS	218	Mechanics	4 x				
or PHYS	201	College Physics	~				
CHEM	102	Fundamentals of Chemistry II	3 x				
CHEM	112	Fundamentals of Chemistry Laboratory II	1 x				
ECON	202	Principles of Economics	3 x				
HIST		American History Requirement	3 x				
MARS	210	Marine Geography	3 x				
MGMT	211	Legal and Social Environment of Business	3 x				
ECON	323	Microeconomic Theory (CBE CREDIT)	3	MARA	604	Marine Natural Resource Economics	3
or AGEC	350	Environmental and Natural Resource Economics	~				
HIST		American History Requirement	3 x				
MARS	350	Advanced Computer Applications	2 x				
OCNG	420	Introduction to Biological Oceanography	3 x				
Professional Elective			3 x				

ENGL	301 Technical Writing		3 X
MARS	310 Field Methods in Marine Sciences		3 X
STAT	303 Statistical Methods		3 X
Professional Elective			3 X
Elective	(ADJUSTMENT)		
MARS	325 Introduction to GIS (CBE CREDIT)		3
MARS	425 Coastal Wetlands Management Credit 3		4 X
MARS and MARS	426 Coastal Wetlands Delineation Laboratory Credit 1		~
or MARRB	430 Coastal Plant Ecology Credit 4		~
MARS	481 Seminar		1 X
MARS	485 Directed Studies		1 X
POLS	347 Politics of Energy and the Environment		3 X
Professional Elective			3 X
MARS	430 Introduction to Geological Oceanography		3 X
PHILS	314 Environmental Ethics		3 X
Professional Elective			3 X
Humanities Elective			3 X
Elective	(ADJUSTMENT)		
		114 ##	
	{## 114 = 108 of completed sch & 6 sch of CBE documented on transcript}		
MARS	615 Physical & Geochemical Marine Resources		3
MARS	676 Environmental Policy		3
MARRB	620 Marine Biological Resources		3
MARS	675 Environmental mgmt Strategies for Scienci		2
MARS	635 Environmental Impact Strategies & NRDA		3
MARM Elective			3
MARM Elective			3
MARS	680 Integrative Analysis in Marine Resources		2
MARS	652 Sustainable Mgmt of Coastal Margins		3
			36

TOTAL SCH if completing both BS and MMRM = 156
TOTAL SCH for Combined program = 108 + 36 = 144

(as stand alone degree programs.)
plus 6 sch of CBE for a total of 150
addit 6 sch difference is resolved using 6 sch of MARM
electives to replace 6 sch of general OCRE elective

Donna Lang

From: Piers Chapman <piers.chapman@tamu.edu>
Sent: Friday, May 18, 2012 4:38 PM
To: Donna Lang
Cc: Sarah Bednarz; Dan Thornton
Subject: Re: 3+2 OCRE-MARM Curriculum

Donna,

We had a discussion about this and don't believe it conflicts with anything we are doing up here, so please go ahead. I apologize for taking so long to get back to you.

Piers

On May 18, 2012, at 2:59 PM, Donna Lang wrote:

> Piers,
> Can you give me a timeframe when I can forward these documents?
> Appreciate it.
> Donna

>

>

>

>

> Dr. Donna Callenius Lang

> Vice President

> Academic Affairs

> Texas A&M University at Galveston

> 409.740.4419

>

>

> -----Original Message-----

> From: Donna Lang

> Sent: Thursday, May 10, 2012 6:24 PM

> To: Piers Chapman

> Subject: Re: 3+2 OCRE-MARM Curriculum

>

> Yes. We will wait until it is convenient for you.

>

>

> ----- Original Message -----

> From: Piers Chapman <piers.chapman@tamu.edu>

> To: Donna Lang

> Sent: Thu May 10 17:29:40 2012

> Subject: Re: 3+2 OCRE-MARM Curriculum

>

> Donna,

> When do you need our response? I've been out of town and it's graduation tomorrow morning.

>

> Piers

>

>
> On May 10, 2012, at 8:19 AM, Donna Lang wrote:
>
>> Piers,
>> If you are agreeable, it would be wonderful if you could reply to this email so I can attach it to the UCC packet. If you are not, we would be happy to discuss further.
>> Thank you.
>> Donna
>>
>>
>> Dr. Donna Callenius Lang
>> Vice President
>> Academic Affairs
>> Texas A&M University at Galveston
>> 409.740.4419
>>
>> From: Patrick Louchouarn [mailto:loup@tamug.edu]
>> Sent: Wednesday, May 09, 2012 5:04 PM
>> To: Piers Chapman; Donna Lang; Melanie Lesko
>> Cc: Dan Thornton
>> Subject: 3+2 OCRE-MARM Curriculum
>>
>> Piers (and Dan),
>>
>> Please find attached the curriculum we are proposing for the 3+2 program that combines our OCRE undergraduate and MARM graduate programs.
>>
>> Let us know if you have any concern or want to discuss this.
>>
>> Cheers
>>
>> Pat
>> =====
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>> Professor
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>
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