

Serial Number #17-18-15B

TO: President David Dooley
FROM: Mark Conley, Chairperson of the Faculty Senate

1. The attached BILL titled, the Five Hundred and Forty-fourth Report of the Curricular Affairs Committee: Curricular Proposals, is forwarded for your consideration.
2. This BILL was adopted by vote of the Faculty Senate on December 7, 2017.
3. After considering this bill, will you please indicate your approval or disapproval. Return the original, completing the appropriate endorsement below.
4. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective December 28, 2017 three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; or (3) the University Faculty petitions for a referendum.



Mark Conley
Chairperson of the Faculty Senate

December 7, 2017

ENDORSEMENT

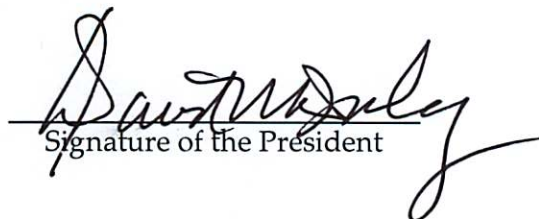
TO: Chairperson of the Faculty Senate

FROM: President of the University

a. Approved ☒.

b. Approved subject to Notice of the Council on Postsecondary Education ____.

c. Disapproved ____.



Signature of the President

12.5.18
(date)

UNIVERSITY OF RHODE ISLAND FACULTY SENATE December 7, 2017

Faculty Senate Curricular Affairs Committee Five Hundred and Forty-fourth Report

At the November 20, 2017 meeting of the Curricular Affairs Committee and by electronic communication, the following matters were considered and are now presented to the Faculty Senate.

SECTION II Curricular Matters Which Require Confirmation by the Faculty Senate

PROGRAM PROPOSALS

COLLEGE OF THE ENVIRONMENT AND LIFE SCIENCES:

BA and BS in Marine Affairs:

Notice of Change (1) updates outdated catalog numbers; and (2) reorganizes concentration courses into two categories (Social Sciences and Humanities & Coastal and Marine Policy and Management) to provide more guidance for MAF majors. Changes are detailed below.

(1) Catalog updates: The following changes are requested to reflect updates to the course catalog:

- a. Replace OCG 123 or 401 with OCG 108G, 110, 111, 123G, or 301 (BA and BS)
- b. Replace STA 308 with STA 220 or 308 (BA only)
- c. Add STA 308 or 409 for the BS (these have always been pre-requisites for the MAF 482 requirement but have never been listed as a requirement in the catalog)
- d. Pre-requisite MTH language is added for STA 308 and 409: STA 308 requires MTH 103, 107, or 131 or permission of instructor. STA 409 requires MTH 131.
- e. Eliminate BIO 101/103 requirement (BS only; never a requirement for BA).
- f. Eliminate WRT 104 or 106 (BS only; gives students flexibility to choose a class that meets new Writing General Education outcome).
- g. Replace specific courses (many outdated) in the BS Supporting Electives list with department prefix: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA. (BS only)

(2) Organization of concentration courses: To provide more guidance for MAF majors and ensure sufficient training in both the social sciences/humanities as well as coastal and marine policy & management, concentration courses will be organized into two categories.

The new text states:

Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465*, 471*, 472*, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 465*, 471*, 472*, 475, 490, 499*. (Asterisk indicates a class that could count in either category, but can only be counted once).

In addition, students now have an option to apply one course worth of credits from selected courses in social science or humanities departments (i.e. EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130) to their concentration credits.

Notice of Change form

Notice of Change for: Marine Affairs BS & BA degrees

Date: 10/23/2017

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Marine Affairs

College: Environment and Life Sciences

3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: September 2018

First degree date: May 2022

4. Intended location of the program

Kingston Campus

5. Summary description of proposed program (not to exceed 2 pages).

Attached

6. If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.

Attached

7. Signature of the President

David M. Dooley

5. Summary description of proposed program change

The Marine Affairs curriculum takes an interdisciplinary approach that has a solid foundation in natural science, social science, and policy. Marine Affairs' training prepares students for positions in natural resource management, planning agencies at local, state, federal and international levels, non-government organizations, emergency management agencies, private consulting firms, port and shipping firms, and in academia. The Marine Affairs offers two undergraduate degrees (BA and BS) that provide students with an interdisciplinary education with specific study of policy and management of complex ocean and coastal environments. Both the BA and the BS degrees allow students to take a diverse set of courses in the liberal arts and social sciences, with the BS degree requiring more targeted study in math and science.

During the Academic Program Review in 2016-17, MAF faculty reviewed the BA and BS degree curriculums. The faculty determined that the overall structure of the curriculum for each degree adequately meets the needs of the MAF students. A couple of areas for improvement were identified: outdated catalog course numbers for professional courses and organization of the concentration courses. This Notice of Change (1) updates outdated catalog numbers; and (2) reorganizes concentration courses into two categories (Social Sciences and Humanities & Coastal and Marine Policy and Management) to provide more guidance for MAF majors. Changes are detailed below.

(1) *Catalog updates:* The following changes are requested to reflect updates to the course catalog:

- a. Replace OCG 123 or 401 with OCG 108G, 110, 111, 123G, or 301 (BA and BS)
- b. Replace STA 308 with STA 220 or 308 (BA only)
- c. Add STA 308 or 409 for the BS (these have always been pre-requisites for the MAF 482 requirement but have never been listed as a requirement in the catalog)
- d. Pre-requisite MTH language is added for STA 308 and 409: STA 308 requires MTH 103, 107, or 131 or permission of instructor. STA 409 requires MTH 131.
- e. Eliminate BIO 101/103 requirement (BS only; never a requirement for BA).
- f. Eliminate WRT 104 or 106 (BS only; gives students flexibility to choose a class that meets new Writing General Education outcome).
- g. Replace specific courses (many outdated) in the BS Supporting Electives list with department prefix: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA. (BS only)

(2) *Organization of concentration courses:* To provide more guidance for MAF majors and ensure sufficient training in both the social sciences/humanities as well as coastal and marine policy & management, concentration courses will be organized into two categories.

The new text states:

Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465, 471*, 472*, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 465*, 471*, 472*, 475, 490, 499*. (Asterisk indicates a class that could count in either category, but can only be counted once)

In addition, students now have an option to apply one course worth of credits from selected courses in social science or humanities departments (i.e. EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130) to their concentration credits.

Marine Affairs

URI's Department of Marine Affairs offers the following degrees: B.A., B.S., M.A., M.M.A. (Master of Marine Affairs), and Ph.D.

The B.A. and B.S. in marine affairs focus on coastal and ocean areas and examine environments, resources, and uses from a variety of perspectives. Both degrees qualify for New England Regional Tuition. Topics include conservation, ocean policy and law, climate adaptation and resilience, tourism and recreation, environmental justice, ocean energy resources, coastal and island communities, ports and shipping, fisheries and marine ecosystems, spatial planning and management.

A Marine Affairs major establishes a background for careers in the public or private sectors in a wide variety of marine-related fields. Typical areas of employment include positions in government concerned with coastal zone, environmental, or fishery management, and marine transportation. In the private sectors, students have secured positions in environmental consulting firms, marine insurance, public interest nongovernmental organizations, marinas, ports, and companies involved in shipping. The major serves well as an educational background for continued study in law, especially environmental, fishery, coastal zone, admiralty, and ocean law. Students have also entered graduate and professional programs in environmental management, public administration, community planning, marine affairs, and related fields.

Students in the Department of Marine Affairs who participate in the New England Regional Student Program must maintain a 2.80 G.P.A. and take at least one MAF course per year to retain their New England regional tuition status. Failure to meet these objectives will result in suspension of the reduced tuition privilege. Reinstatement may occur if the student meets these requirements for one year after the time of the suspension.

Bachelor of Arts in Marine Affairs. Students selecting this field are required to complete ~~at least 30 credits (maximum 45) in marine affairs as follows:~~

~~All of the~~ the following required MAF courses (12 credits): MAF 100, 120, 220, and 410 [capstone]. ~~Five of the following courses (15 credits): MAF 312, 415, 320, 330, 413, 461, 465, 471, 472, 475, 484, and 499. One additional MAF course (three credits) must be taken to complete the required 30 credits in the degree.~~ Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465*, 471*, 472*, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 465*, 471*, 472*, 475, 490, 499*. Asterisk indicates a class that could count in either category, but can only be counted once.
~~In addition,~~ students must also take STA 220 or 308 and OCG 108G, 110, 111, 123G or 4301. STA 308 requires MTH 103, 107, or 131 or permission of instructor.

A total of 120 credits is required for graduation. At least 42 of these credits must be in courses numbered 300 or above.

Bachelor of Science in Marine Affairs. Students selecting this field must complete ~~at least 30 credits in marine affairs with~~ the following required MAF courses: MAF 100, 120, 220, 410 [**capstone**], 482. Three of the following courses in social sciences & humanities (two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465*, 471*, 472*, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. ; In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 465*, 471*, 472*, 475, 490, 499*. and five of the following courses: MAF 312, 320, 330, 413, 415, 461, 465, 471, 472, 475, 484, and 499. Asterisk indicates a class that could count in either category, but can only be counted once.

In addition to the above requirements, students must take ~~BIO 101/103;~~ OCG 108G, 110, 111, 123G or ~~401~~301; STA 308 or 409. STA 308 requires MTH 103, 107, or 131 or permission of instructor. STA 409 requires MTH 131. MTH 111 or 131; and WRT 104 or 106 (3).

Students must also select a total of 18 credits from ~~the following~~ classes with the following prefix, of which nine must be at the 300 level or above: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA.

~~AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412.~~

A total of 120 credits is required for graduation.



Tracey Dalton <dalton@uri.edu>

Re: MAF undergraduate curriculum changes

1 message

David Smith <dcsmith@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 3:24 PM

Hi Tracy,

That sounds fine with me. OCG 123 is now OCG 123G (and we hope to get OCG 111 approved as a grand challenge course this year). OCG 301 did replace OCG 401 but still requires a year biological or physical science with lab.

You may want to consider OCG 108G as well. This course will be offered for the first time in the spring 2018 semester by Matt Wei, a new faculty member. It will deal with ocean hazards, pollution, conservation etc. all topics relevant to policy but of course this is up to you and your faculty.

David

On Aug 31, 2017, at 3:00 PM, Tracey Dalton <dalton@uri.edu> wrote:

David,

The Marine Affairs department has been working to update the course catalog description for our undergraduate majors. Currently the catalog states that MAF majors must take OCG 123 or 401. As you know, OCG 401 is no longer offered. To reflect updates to the catalog and provide flexibility to students, we are proposing to replace "OCG 123 or 401" with "OCG 110, 111, 123, or 301."

If you approve of this change, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,
Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>



Tracey Dalton <dalton@uri.edu>

Re: MAF Undergraduate Curriculum Changes

1 message

James Baglama <jbaglama@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Mon, Oct 23, 2017 at 1:40 PM

Dear Tracey,

Thank you for discussing the math changes. Our department agrees with the MTH changes.

Best,
Jim

James Baglama
Professor and Chair
Department of Mathematics
University of Rhode Island
jbagluma@uri.edu
<http://www.math.uri.edu/~jbagluma>
Phone: 401-874-2709
Fax: 401-874-4454

On Oct 23, 2017, at 1:38 PM, Tracey Dalton <dalton@uri.edu> wrote:

Here it is again

On Fri, Oct 6, 2017 at 12:49 PM, Tracey Dalton <dalton@uri.edu> wrote:

Hi Jim,

The Marine Affairs department is hoping to submit a Notice of Change for our undergrad curriculum in early November, so I wanted to follow up with you about our proposed MTH changes. The proposed catalog changes are as follows:

For MAF BS majors: "STA 308 requires MTH 103, 107, or 131 or permission of instructor. STA 409 requires MTH 131."

For MAF BA majors: "STA 308 requires MTH 103, 107, or 131 or permission of instructor." [STA 220 is also an option for MAF BA students; it does not have any math pre-reqs and it is a Gen Ed]

Feel free to give me a call (x4-2434) if you want to discuss.

Thanks,
Tracey

On Fri, Sep 1, 2017 at 9:58 AM, Tracey Dalton <dalton@uri.edu> wrote:

Hi Jim

Thanks for the information, that's very helpful. Your recommendation seems fine. We could direct our students into MTH 103, 107, or 131 as pre-requisites for STA 308 and MTH 131 as pre-requisite for STA 409. Would that be acceptable on your end? I am happy to chat by phone too--I'm out of the office today but I'll be around Tues-Fri next week.

Thanks,
Tracey



Tracey Dalton <dalton@uri.edu>

Re: MAF Undergraduate Curriculum Updates

1 message

Evan Preisser <preisser@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 3:45 PM

Hi, Tracey -

I support this change. Regards -

Evan

On Thu, Aug 31, 2017 at 3:39 PM, Tracey Dalton <dalton@uri.edu> wrote:

Evan,

The Marine Affairs department has been working to update our undergraduate curriculum. We currently require students in the MAF BS major to take BIO 101/103. For many of our students, this is appropriate because they are interested in biological organisms and systems. However, some of our students are more interested in geological or physical systems, so we want to be able to give them the option to take classes in geology, oceanography, or other natural sciences. As a result, we are proposing to eliminate the requirement for BIO 101/103. Students can still take BIO classes as part of their Supporting Electives requirement, which requires that students take 18 credits in the natural sciences, math or resource economics. (Note that I will be sending around another email related to a change in our Supporting Electives)

If you approve of this change, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,
Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>

--

Evan Preisser, Professor & Chair
Dept. of Biological Sciences, University of Rhode Island
9 E. Alumni Ave., Kingston RI 02881 USA
(401) 874-2120; preisser@uri.edu; <http://web.uri.edu/preisserlab>



Tracey Dalton <dalton@uri.edu>

Re: MAF Undergraduate Curriculum Changes

1 message

Liliana Gonzalez <liliana@cs.uri.edu>

Thu, Aug 31, 2017 at 4:07 PM

To: Tracey Dalton <dalton@uri.edu>

Cc: lcd@cs.uri.edu, Gavino Puggioni <gpuggioni@uri.edu>

Lisa, yes, changes are approved by statistics. The syllabus we developed for MAF 482/ STA 482 assumes a 308 background. We are submitting the cross listing to the AS curriculum committee in September.

Thanks,

Liliana Gonzalez, Prof
CS & Statistics
University Rhode Island

On Aug 31, 2017, at 3:15 PM, Tracey Dalton <dalton@uri.edu> wrote:

Lisa,

The Marine Affairs department has been working to update the course catalog description for our undergraduate majors. MAF BA and BS majors must take a statistics class as part of their degree. BS majors must also take MAF 482 (Quantitative Methods in Marine Affairs). I have been working with Liliana (copied here) to create a cross-listed class MAF/STA 482 that will be taught by STA faculty. We have also discussed pre-requisites for MAF/STA 482 and updating the STA requirements for our majors.

Currently the catalog states that MAF BA majors must take STA 308 and MAF BS majors must take MAF 482. While no STA class is listed as a requirement in the catalog for our BS majors, MAF 482 requires STA 220 or equivalent as a pre-requisite so BS students have been taking a STA class in preparation for MAF 482.

Based on our conversations with Liliana, we are proposing the following changes to the catalog:

For MAF BA majors: Replace STA 308 requirement with "STA 220 or 308".

For MAF BS majors: Add "STA 308 or 409" as a stated requirement [these are the pre-requisites for MAF 482 which has been a required class for MAF BS majors for many years]

If you approve of these changes, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,
Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>

Re: MAF Undergraduate Curriculum Updates

1 message

Dunsworth <holly_dunsworth@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Fri, Oct 6, 2017 at 1:16 PM

Hi Tracey,

I did and I am so sorry I didn't get back to you. I could swear I did! I didn't.

We support it, unanimously and enthusiastically. (Do be aware, however, that SOC 204 doesn't run very often especially now that we stopped signing off on PTFs, disconnected from us, teaching it up in Providence.)

Thanks so much for including us and best wishes,

Holly

[Dr. H. Dunsworth](#) | Associate Professor of Anthropology | Chair, Dept of Sociology and Anthropology | Chafee 508 | Fall courses: HPR 233 (Honors Colloquium) ORIGINS: LIFE, THE UNIVERSE, AND EVERYTHING & APG 201 HUMAN ORIGINS AND EVOLUTION | Fall 2017 office hours: Mondays 1:30-3:30 (drop-in), otherwise by appt

STUDYING ABROAD? Drop off the form during business hours to Chafee 507/508 and I will sign and contact you for pick up.

Declaring a major/minor in sociology or anthropology? Need to fill out a curriculum modification? Here are the forms you need. Print, fill out and drop off at Chafee 507/508 during business hours. I will sign and then send to the Dean for you: <http://web.uri.edu/artsci/forms/>

On Fri, Oct 6, 2017 at 12:58 PM, Tracey Dalton <dalton@uri.edu> wrote:

Hi Holly,

Did you get a chance to run the proposed curricular change for Marine Affairs (below) by your faculty? I'm hoping to submit our curricular changes at the end of the month. Let me know if you have any questions.

Thanks,
Tracey

On Tue, Sep 5, 2017 at 1:32 PM, Tracey Dalton <dalton@uri.edu> wrote:

Holly,
That should be ok.

Thanks!
Tracey

On Tue, Sep 5, 2017 at 1:21 PM, Dunsworth <holly_dunsworth@uri.edu> wrote:

Dear Tracey,

This is wonderful. We have a faculty meeting on the 14th. Can I run this by everyone before sending that approval/cooperation email to you? If it's more urgent than that, just let me know.

Best,
Holly

[Dr. H. Dunsworth](#) | Associate Professor of Anthropology | Chair, Dept of Sociology and Anthropology | Chafee 508 | Summer 2017 office hours : I'm around, but if you can't find me, just leave your forms for me to sign.

On Thu, Aug 31, 2017 at 2:28 PM, Tracey Dalton <dalton@uri.edu> wrote:

Holly,

The Marine Affairs department has been working to update our undergraduate curriculum. In the past, we have required students in the BA or BS major to take 5-6 MAF courses as part of their concentration. To provide more guidance for MAF majors and ensure sufficient training in both the social sciences/humanities as well as coastal and marine policy & management, we are proposing to organize our classes into two categories. We would like to give students an option to take one of the required social science or humanities classes in another department. Here is the proposed language for the catalog.

"Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465, 471, 472, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 471*, 472*, 475, 490, 499*. (Asterisk indicates a class that could count in either category)"

Do you approve of making SOC 100, SOC 204, and APG 203 concentration options for MAF students? We have about 100 majors in our department, and several of them take your classes already as electives or as part of a minor or double major. We expect that you might see a few more students per year in your classes as a result of this change.

I've attached the catalog descriptions of MAF courses for reference.

If you approve, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Kindly,

Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
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<http://web.uri.edu/dalton/>

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Tracey Dalton

10/6/2017

University of Rhode Island Mail - Re: MAF Undergraduate Curriculum Updates

Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu
<http://web.uri.edu/dalton/>

Re: MAF undergrad curriculum changes

1 message

Brian Krueger <bkrueger@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 6:31 PM

Hi Tracey,

I support the inclusion of PSC 113 and 116 in the MAF updated curriculum.

Brian

Brian S. Krueger
Professor & Chair
Department of Political Science
University of Rhode Island
203 Washburn Hall
Kingston, RI, 02881

Email: bkrueger@uri.edu (preferred contact method)
Web: <http://www.uri.edu/artsci/psc/krueger.html>
Office Phone: 401 874 4058

On Thu, Aug 31, 2017 at 2:26 PM, Tracey Dalton <dalton@uri.edu> wrote:

> Brian,

>

> The Marine Affairs department has been working to update our undergraduate
> curriculum. In the past, we have required students in the BA or BS major to
> take 5-6 MAF courses as part of their concentration. To provide more
> guidance for MAF majors and ensure sufficient training in both the social
> sciences/humanities as well as coastal and marine policy & management, we
> are proposing to organize our classes into two categories. We would like to
> give students an option to take one of the required social science or
> humanities classes in another department. Here is the proposed language
> for the catalog.

>

>

> "Three of the following courses in social sciences & humanities (at least
> two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465, 471, 472, 482,
> 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In
> addition, three of the following courses in coastal and marine policy and
> management: MAF 312*, 320, 330, 413*, 415, 461, 471*, 472*, 475, 490, 499*.
> (Asterisk indicates a class that could count in either category)"

>

>

> Do you approve of making PSC 113 and PSC 116 concentration options for MAF
> students? We have about 100 majors in our department, and several of them
> take your classes already as electives or as part of a minor or double
> major. We expect that you might see a few more students per year in your
> class as a result of this change.

>

>

> I've attached the catalog descriptions of MAF courses for reference.

>

>

> If you approve, please send me an email indicating your approval so that it

> can be included in the curricular change materials. Please let me know if
> you have any questions or would like to discuss this further.

>

>

> Kindly,

>

> Tracey

>

>

> --

> Tracey Dalton

> Professor & Chair

> Marine Affairs Department

> University of Rhode Island

> Kingston, RI 02881

> [401.874.2434](tel:401.874.2434) or dalton@uri.edu

>

> <http://web.uri.edu/dalton/>



Tracey Dalton <dalton@uri.edu>

Re: MAF Undergraduate Curriculum Changes

1 message

Rod Mather <rodmath@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 3:54 PM

Dear Tracey

Many thanks for you email. Your proposed curriculum changes look very good. I certainly approve making "HIS130:History and the Sea" a concentration option for MAF students.

best
Rod

On Thu, Aug 31, 2017 at 2:46 PM, Tracey Dalton <dalton@uri.edu> wrote:

Rod,

The Marine Affairs department has been working to update our undergraduate curriculum. In the past, we have required students in the BA or BS major to take 5-6 MAF courses as part of their concentration. To provide more guidance for MAF majors and ensure sufficient training in both the social sciences/humanities as well as coastal and marine policy & management, we are proposing to organize our classes into two categories. We would like to give students an option to take one of the required social science or humanities classes in another department. Here is the proposed language for the catalog.

"Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465, 471, 472, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 471*, 472*, 475, 490, 499*. (Asterisk indicates a class that could count in either category)"

Do you approve of making HIS 130 a concentration option for MAF students? We have about 100 majors in our department, and several of them take your class already as an elective or as part of a minor or double major. We expect that you might see a few more students per year in your class as a result of this change.

I've attached the catalog descriptions of MAF courses for reference.

If you approve, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Kindly,

Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881

8/31/2017

University of Rhode Island Mail - Re: MAF Undergraduate Curriculum Changes

401.874.2434 or dalton@uri.edu

<http://web.uri.edu/dalton/>

--

Rod Mather
Chair of the Department of History
Professor of Maritime History and Underwater Archaeology
Department of History
University of Rhode Island
[401-874-4093](tel:401-874-4093)



Tracey Dalton <dalton@uri.edu>

Re: MAF undergraduate curriculum updates

1 message

James Opaluch <jimopaluch@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 3:49 PM

Tracey,

We definitely support having EEC 105 as a concentration option for MAF students.

Jim

--

=====

Dr. James J. Opaluch, Professor &
Department Chair
Environmental & Resource Econ
207 Kingston Coastal Institute Bldg
University of Rhode Island
Kingston, RI 02881
[HTTP://WWW.URI.Edu/cels/enre/](http://www.uri.edu/cels/enre/)

=====

Phone: (401)874-4590
Fax: (401)782-4766
e-mail: JimOpaluch@URI.Edu

On Thu, Aug 31, 2017 at 2:23 PM, Tracey Dalton <dalton@uri.edu> wrote:

Jim,

The Marine Affairs department has been working to update our undergraduate curriculum. In the past, we have required students in the BA or BS major to take 5-6 MAF courses as part of their concentration. To provide more guidance for MAF majors and ensure sufficient training in both the social sciences/humanities as well as coastal and marine policy & management, we are proposing to organize our classes into two categories. We would like to give students an option to take one of the required social science or humanities classes in another department. Here is the proposed language for the catalog.

"Three of the following courses in social sciences & humanities (at least two must be in MAF): MAF 300, 312*, 340, 370, 413*, 445, 465, 471, 472, 482, 499*, EEC 105, PSC 113, PSC 116, SOC 100, SOC 204, APG 203, or HIS 130. In addition, three of the following courses in coastal and marine policy and management: MAF 312*, 320, 330, 413*, 415, 461, 471*, 472*, 475, 490, 499*. (Asterisk indicates a class that could count in either category)"

Do you approve of making EEC 105 a concentration option for MAF students? We have about 100 majors in our department, and several of them take your class already as an elective or as part of a minor or double major. We expect that you might see a few more students per year in your class as a result of this change.

I've attached the catalog descriptions of MAF courses for reference.

If you approve, please send me an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Kindly,

Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>

Re: Supporting Electives for MAF Majors

1 message

Art Gold <agold@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Fri, Sep 1, 2017 at 8:09 AM

Hi Tracey,

I think you have proposed an excellent change.

I fully support it.

Art

Arthur J Gold Ph.D.
Professor and Chair
Dept of Natural Resources Science
University of Rhode Island
Kingston, RI 02881
agold@uri.edu
401 874 2903

<http://web.uri.edu/whl/>

On Thu, Aug 31, 2017 at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

The Marine Affairs department has been working to update our undergraduate curriculum (as many of you already know). Currently the catalog states that MAF BS majors must select Supporting Electives from a long list of classes: "Students must also select a total of 18 credits from the following, of which nine must be at the 300 level or above: AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345G, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412."

On-going changes to the course catalog make it challenging to maintain an updated list of classes. Also, we would like to give students added flexibility in choosing relevant science, statistics, ocean engineering, and resource economics courses as part of their MAF BS degree. We are proposing to replace our list of Supporting Elective classes with the following language:

"Students must also select a total of 18 credits from classes with the following prefix, of which nine must be at the 300 level or above: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA."

We don't anticipate that this change will affect the total numbers of MAF students in your classes.

If you approve of this change, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island
Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>

Re: Supporting Electives for MAF Majors

1 message

Marta Gomez-Chiarri <gomezchi@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Thu, Aug 31, 2017 at 6:31 PM

Hi Tracy,

Looks good to me. We are planning to do something very similar for AFS, I will let you know when we are ready to get changes out.

Best,

Marta

On Thu, Aug 31, 2017 at 4:48 PM David Smith <dcsmith@uri.edu> wrote:
Tracy - that looks good to me. Thanks for checking. David

On Aug 31, 2017, at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

The Marine Affairs department has been working to update our undergraduate curriculum (as many of you already know). Currently the catalog states that MAF BS majors must select Supporting Electives from a long list of classes: "Students must also select a total of 18 credits from the following, of which nine must be at the 300 level or above: AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345G, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412."

On-going changes to the course catalog make it challenging to maintain an updated list of classes. Also, we would like to give students added flexibility in choosing relevant science, statistics, ocean engineering, and resource economics courses as part of their MAF BS degree. We are proposing to replace our list of Supporting Elective classes with the following language:

"Students must also select a total of 18 credits from classes with the following prefix, of which nine must be at the 300 level or above: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA."

We don't anticipate that this change will affect the total numbers of MAF students in your classes.

If you approve of this change, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

--

Tracey Dalton
Professor & Chair
Marine Affairs Department
University of Rhode Island

Kingston, RI 02881
[401.874.2434](tel:401.874.2434) or dalton@uri.edu
<http://web.uri.edu/dalton/>

--
Marta Gomez-Chiarri, Professor
Chair, Department of Fisheries, Animal and Veterinary Sciences
University of Rhode Island
169 CBLS, 120 Flagg Road
Kingston, RI 02881
Phone [1-401-874-2917](tel:1-401-874-2917)
gomezchi@uri.edu

Re: Supporting Electives for MAF Majors

1 message

Brian Savage <savage@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Fri, Sep 1, 2017 at 1:05 PM

Tracy,

The Geoscience Department is supportive of this change.

Brian

On Aug 31, 2017, at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

The Marine Affairs department has been working to update our undergraduate curriculum (as many of you already know). Currently the catalog states that MAF BS majors must select Supporting Electives from a long list of classes: "Students must also select a total of 18 credits from the following, of which nine must be at the 300 level or above: AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345G, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412."

On-going changes to the course catalog make it challenging to maintain an updated list of classes. Also, we would like to give students added flexibility in choosing relevant science, statistics, ocean engineering, and resource economics courses as part of their MAF BS degree. We are proposing to replace our list of Supporting Elective classes with the following language:

"Students must also select a total of 18 credits from classes with the following prefix, of which nine must be at the 300 level or above: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA."

We don't anticipate that this change will affect the total numbers of MAF students in your classes.

If you approve of this change, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

--

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Marine Affairs Department
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[401.874.2434](tel:401.874.2434) or dalton@uri.edu

<http://web.uri.edu/dalton/>

Re: Supporting Electives for MAF Majors

1 message

David Smith <dcsmith@uri.edu>

Thu, Aug 31, 2017 at 4:48 PM

To: Tracey Dalton <dalton@uri.edu>

Cc: Marta Gomez-Chiari <gomezchi@uri.edu>, Evan Preisser <preisser@uri.edu>, jsmith@chm.uri.edu, James Opaluch <jimopaluch@uri.edu>, Brian Savage <savage@uri.edu>, Art Gold <agold@uri.edu>, Stephan T Grilli <grilli@uri.edu>, Oleg Andreev <andreev@uri.edu>, Lisa DiPippo <dipippo@cs.uri.edu>

Tracy - that looks good to me. Thanks for checking. David

On Aug 31, 2017, at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

The Marine Affairs department has been working to update our undergraduate curriculum (as many of you already know). Currently the catalog states that MAF BS majors must select Supporting Electives from a long list of classes: "Students must also select a total of 18 credits from the following, of which nine must be at the 300 level or above: AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345G, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412."

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We don't anticipate that this change will affect the total numbers of MAF students in your classes.

If you approve of this change, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

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<http://web.uri.edu/dalton/>

Re: Supporting Electives for MAF Majors

1 message

Stephan T Grilli <grilli@uri.edu>

Fri, Oct 6, 2017 at 1:12 PM

Reply-To: grilli@uri.edu

To: Tracey Dalton <dalton@uri.edu>, jsmith@chm.uri.edu, Oleg Andreev <andreev@uri.edu>

Hi Tracey,

I approve this change.

Thanks,

Stephan

On 10/6/17 12:56 PM, Tracey Dalton wrote:

Good afternoon,

I wanted to follow up with you about proposed changes to the undergrad catalog for the Marine Affairs program. If you approve of changing the current language (in italics below) to the bold language below, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials.

Let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

On Thu, Aug 31, 2017 at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

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If you approve of this change, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials. Please let me know if you have any questions or would like to discuss this further.

Thanks,

Tracey

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Stephan Grilli, PhD, PE
Distinguished Engineering Professor and Chair, Department of Ocean Engineering
Professor, Graduate School of Oceanography
Sheets Building 111
University of Rhode Island
Narragansett, RI 02882
tel: [1-401 874 6636](tel:1-401-874-6636)
fax: [1-401-874 6837](tel:1-401-874-6837)
web: <http://personal.egr.uri.edu/grilli/>
Google Scholar Profile with links to publications is at: http://scholar.google.com/citations?hl=en&user=D3fd3_4AAAAJ
Email: grilli@uri.edu
Alternate email address (if service interrupted) : sgrilli@cox.net

Re: Supporting Electives for MAF Majors

1 message

Jim Smith <jsmith@chm.uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Fri, Oct 6, 2017 at 3:15 PM

Hi Tracey:

I am okay with the change. Best regards, Jim Smith, Chair, URI Chemistry.

On 10/6/2017 12:56 PM, Tracey Dalton wrote:

Good afternoon,
I wanted to follow up with you about proposed changes to the undergrad catalog for the Marine Affairs program. If you approve of changing the current language (in *italics* below) to the **bold** language below, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials.

Let me know if you have any questions or would like to discuss this further.

Thanks,
Tracey

On Thu, Aug 31, 2017 at 4:43 PM, Tracey Dalton <dalton@uri.edu> wrote:

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Tracey

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Re: Supporting Electives for MAF Majors

1 message

Oleg Andreev <andreev@uri.edu>
To: Tracey Dalton <dalton@uri.edu>

Fri, Oct 6, 2017 at 1:35 PM

Tracey,
I approve this changes.

Oleg

On Fri, Oct 6, 2017 at 12:56 PM, Tracey Dalton <dalton@uri.edu> wrote:

Good afternoon,

I wanted to follow up with you about proposed changes to the undergrad catalog for the Marine Affairs program. If you approve of changing the current language (in *italics below*) to the **bold language below**, please send me (dalton@uri.edu) an email indicating your approval so that it can be included in the curricular change materials.

Let me know if you have any questions or would like to discuss this further.

Thanks,
Tracey

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"Students must also select a total of 18 credits from the following, of which nine must be at the 300 level or above: AFS 102, 201, 202, 210, 211, 312, 315, 321/322, 332, 362, 432, 483; BIO 345, 355, 360, 418, 455/457; CHM 103, 112, 124/126; EEC 105, 110, 205, 310, 345G, 356, 410, 432, 435, 440, 441; GEO 100, 103, 210, 320, 370, 450, 483; NRS 223, 406, 409, 410, 423, 424, 461; NRS/GEO 482; NRS 497; OCE 101, 310, 311, 492; OCG 493, 494; PHY 109, 110, 111, 112, 185, 186, 306; STA 308, 409, 412."

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Thanks,

Tracey

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Professor & Chair

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<http://web.uri.edu/dalton/>

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Marine Affairs Department
University of Rhode Island
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[401.874.2434](tel:401.874.2434) or dalton@uri.edu
<http://web.uri.edu/dalton/>

--

Oleg Andreev, Ph.D.
Professor and Chairman of Physics Department
University of Rhode Island
[2 Lippitt Rd., Kingston, RI 02881](https://www.uri.edu/physics)
Phone: [\(401\) 874-2054](tel:(401)874-2054) (Office)
[\(401\) 874-4210](tel:(401)874-4210), -2944 (Lab)
[\(401\) 282-0967](tel:(401)282-0967) (cell)
Fax: [\(401\) 874-2380](tel:(401)874-2380)
E-mail: andreev@uri.edu
<http://www.biophys.phys.uri.edu/>

Name: _____

Date: _____ 00+000 _____

PROPOSED UPDATES
B.A. Marine Affairs - Effective Fall 2018
College of the Environment and Life Sciences

Intro to URI (1 credit)

URI 101 ____ (1)

MAF Core Courses (12 credits)
Must have a cumulative 2.0 gpa in MAF courses for graduation.

MAF 100 ____ (3) MAF 120 ____ (3)

MAF 220 ____ (3) MAF 410 ____ (3)

Required Basic Math & Sciences
(6 credits)

OCG 108G, 110, 111, 123G or 301 ____ (3)

STA 220 or 308 ____ (3)

[Note: STA 308 requires MTH 103, 107, or 131 or permission of instructor.]

Free Electives- courses that are not required by the major and do not fulfill general education. Consult with your advisor to determine total needed to meet 120 credit graduation requirement.

_____ ()	_____ ()
_____ ()	_____ ()
_____ ()	_____ ()
_____ ()	_____ ()
_____ ()	_____ ()
_____ ()	_____ ()

Concentration Courses: Students must select 3 Social Sciences/Humanities and 3 Coastal and Marine Policy and Management courses.

Social sciences/Humanities (Select 3 courses, 2 must be in MAF)

MAF 300 ____ (3) MAF 312* ____ (3) MAF 340 ____ (3)

MAF 370 ____ (3) MAF 413* ____ (3) MAF 445 ____ (3)

MAF 465 ____ (3) MAF 471* ____ (3) MAF 472* ____ (3)

MAF 482 ____ (3) MAF 499* ____ (3)

EEC 105 ____ (3) PSC 113 ____ (4) PSC 116 ____ (4)

SOC 100 ____ (3) SOC 204 ____ (3) APG 203 ____ (3)

HIS 130 ____ (3)

Coastal and marine policy and management (Select 3 courses)

MAF 312* ____ (3) MAF 320 ____ (3) MAF 330 ____ (3)

MAF 413* ____ (3) MAF 415 ____ (3) MAF 461 ____ (3)

MAF 465 ____ (3) MAF 471* ____ (3) MAF 472* ____ (3)

MAF 475 ____ (3) MAF 490 ____ (3) MAF 499* ____ (3)

*Courses can only count in one section

42 Credits of the 120 credits to graduate must be at the 300-400 level. Major, concentration and general education courses can be included in the 42 credit requirement.

MAF _____ () MAF _____ () MAF _____ ()

MAF _____ () MAF _____ () MAF _____ ()

_____ () _____ () _____ ()

_____ () _____ () _____ ()

EXAMPLE

B.A. Marine Affairs - Effective Fall 2016 College of the Environment and Life Sciences

Freshman Year *Fall* Semester

Course Code	Description	Cr	
*MAF 100	Human Use & Management of the Marine Environment	3	
	*General Education Course	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
URI 101	Planning for Academic Success	1	
		15-17	0

Freshman Year *Spring* Semester

Course Code	Description	Cr	
MAF 120	New England & The Seas	3	
STA 308	Introductory Statistics	4	
	*General Education Course	3-4	
OCG 123 or OCG 301	Climate Change & the Oceans or General Oceanography	3	
	Free Elective	3-4	
		15-17	0

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
*MAF 220	Introduction to Marine & Coastal Law	3	
	*General Education Course	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
		15-17	0

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
	*General Education Course	3-4	
	*General Education Course	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Junior Year *Fall* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
	*General Education Course	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
	Free Elective	3-4	
		15-17	0

Junior Year *Spring* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
	*General Education Course	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Senior Year *Fall* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
MAF	300-400 Level Course	3	
	*General Education Course	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Senior Year *Spring* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
MAF 410	Capstone	3	
	Free Elective	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Total Credits = 0
Total Credits to Graduate = 120

PROPOSED CHANGES
B.S. Marine Affairs - Effective Fall 2018
College of the Environment and Life Sciences

Intro to URI (1 credit)

URI 101 _____ (1)

MAF Core Courses (15 credits)

Must have a cumulative 2.0 gpa in MAF courses for graduation.

MAF 100 _____ (3) MAF 120 _____ (3)

MAF 220 _____ (3) MAF 410 _____ (3)

MAF/STA 482 _____ (3)

Required Basic Math & Sciences (6 credits)

OCG 108G, 110, 111, 123G or 301 _____ (3)

[DELETE: BIO 101]

STA 308 or 409 _____ (3)

[Note: STA 308 requires MTH 103, 107, or 131 or permission of instructor. STA 409 requires MTH 131.]

Free Electives- courses that are not required by the major and do not fulfill general education. Consult with your advisor to determine total needed to meet 120 credit graduation requirement.

_____	_____
/ \	/ \
_____	_____
/ \	/ \
_____	_____
/ \	/ \

Concentration Courses: Students must select 3 Social Sciences/Humanities and 3 Coastal and Marine Policy and Management courses.

Social sciences/Humanities (Select 3 courses, 2 must be in MAF)

MAF 300 _____ (3) MAF 312* _____ (3) MAF 340 _____ (3)

MAF 370 _____ (3) MAF 413* _____ (3) MAF 445 _____ (3)

MAF 465 _____ (3) MAF 471* _____ (3) MAF 472* _____ (3)

MAF 482 _____ (3) MAF 499* _____ (3)

EEC 105 _____ (3) PSC 113 _____ (4) PSC 116 _____ (4)

SOC 100 _____ (3) SOC 204 _____ (3) APG 203 _____ (3)

HIS 130 _____ (3)

Coastal and marine policy and management (Select 3 courses)

MAF 312* _____ (3) MAF 320 _____ (3) MAF 330 _____ (3)

MAF 413* _____ (3) MAF 415 _____ (3) MAF 461 _____ (3)

MAF 465 _____ (3) MAF 471* _____ (3) MAF 472* _____ (3)

MAF 475 _____ (3) MAF 490 _____ (3) MAF 499* _____ (3)

*Courses can only count in one section

Supporting Electives (18 credits) Students must select a total of 18 credits from classes with the following prefix (of which nine must be at the 300 level or above): **AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA**

EXAMPLE

B.S. Marine Affairs - Effective Fall 2016 College of the Environment and Life Sciences

Freshman Year *Fall* Semester

Course Code	Description	Cr	
MAF 100	Human Use & Management of the Marine Environment	3	
BIO 101/103	Principles of Biology I/Lab	4	
URI 101	Planning for Academic Success	1	
	General Education Course	3-4	
	General Education Course	3-4	
		15-17	0

Freshman Year *Spring* Semester

Course Code	Description	Cr	
MAF 120	New England & The Sea	3	
MTH 111 or MTH 131	Precalculus or Calculus	3	
	General Education Course	3-4	
	Supporting Elective	3-4	
	Free Elective	3-4	
		15-17	0

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
MAF 220	Intro. to Marine and Coastal Law	3	
OCG 123 or OCG 301	Climate Change & the Oceans or General Oceanography	3	
	General Education Course	3-4	
	Supporting Elective	3-4	
		15-17	0

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
	Supporting Elective	3-4	
	General Education Course	3-4	
	General Education Course	3-4	
	Free Elective	3-4	
		15-17	0

Junior Year *Fall* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
MAF	300-400 Level Course	3	
	General Education Course	3-4	
	General Education Course	3-4	
	Supporting Elective	3-4	
		15-17	0

Junior Year *Spring* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
MAF 482	Quantitative Methods in Marine Affairs	3	
	General Education Course	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Senior Year *Fall* Semester

Course Code	Description	Cr	
MAF	300-400 Level Course	3	
	General Education Course	3-4	
	Supporting Elective	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Senior Year *Spring* Semester

Course Code	Description	Cr	
MAF 410	Capstone	3	
	Supporting Elective	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
	Free Elective	3-4	
		15-17	0

Total Credits=	0
Total Credits to Graduate =	120