MARINE AFFAIRS, B.S.

Effective Spring 2008

College of the Environment & Life Sciences (CELS)

Department: Marine Affairs, 874-2596, www.uri.edu/cels/maf
UC Advisors: Bruce Marti, bma7215u@postoffice.uri.edu, 874-4040
Option: B.S. in Marine Affairs
Credits: 120

The Major: Bachelor of Science in Marine Affairs

The primary objective of the major in Marine Affairs is to educate students in the interdisciplinary analysis needed for effective marine and coastal management. Students will study and gain familiarity with issues confronting the policymaker and manager at the local, state, regional, national, and international levels. In addition, students develop an understanding of the socioeconomic, political, and legal effects of decisions and their implications. Students in this program will obtain a stronger background in science and mathematics than those in the Marine Affairs B.A. program. Specialty areas in this major include: fisheries and marine ecosystems, coastal management, maritime transportation and ports, and ocean policy.

Career Options: This 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 agencies (federal, state, and local) concerned with coastal zone, environmental, or fisheries management, and in marine transportation. In the private sector, graduates secure positions in environmental consulting firms, marine insurance, public-interest nongovernmental organizations, marinas, ports, and companies involved in shipping.

The Marine Affairs (B.S.) major provides a strong educational background for continued study in law—especially environmental, fishery, coastal zone, admiralty, and ocean law. Students are also prepared to pursue graduate and professional programs in environmental management, public administration, community planning, marine affairs and related fields.

Transfer out of UC: Must have completed at least 24 credits, including MAF 100 and MAF 120, with a minimum GPA of 2.00, and received permission from the UC major advisor.

General Education (36 credits): All Category MQ (Mathematical & Quantitative Reasoning), N (Natural Sciences), and S (Social Sciences) General Education requirements (15 cr.) are satisfied by courses taken as part of the major. Thus, to satisfy URI's General Education requirements Marine Affairs students should take COM 100/COM 110, WRT 104 or 105, and only 15 credits of General Education courses from Category A (Fine Arts & Literature), L (Letters), or F (Foreign Language/Culture). See the URI Course Catalog (also on the web at http://www.uri.edu/catalog/cataloghtml/index.html) for a listing of all General Education courses.

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Introductory Professional Courses (9 credits): These credits go towards Concentration.

The following classes are required for completion of the B.S. Program in Coastal & Marine Policy Management:

MAF 100 Human Use & Management of the Marine Environment
MAF 120 New England & the Sea
MAF 220 Introduction to Marine & Coastal Law

Supporting Requirements (15-17 credits):

BIO 101 Principles of Biology I
MTH 111 Precalculus ***or*** 131 Calculus
OCG 123 Oceans, Atmosphere, and Global Change *or* 401 General Oceanography
STA 220 Statistics in Modern Society
WRT 333 Scientific & Technical Writing

Concentration (30 credits):

This concentration includes the introductory professional courses noted above.

MAF 410 Senior Seminar in Marine Affairs
MAF 482 Quantitative Methods in Marine Affairs

*And select **five** of the following courses:*

MAF 312 The Politics of the Ocean
MAF 320 Shipping & Ports
MAF 330 World Fishing
MAF 413 Peoples of the Sea
MAF 415 Marine Pollution Policy
MAF 461 Coastal Zone Management
MAF 465 GIS Applications in Coastal & Marine Management
MAF 471 Island Ecosystem Management
MAF 472 Marine Recreation & Tourism Management Seminar
MAF 475 Human Responses to Coastal Hazards & Disasters
MAF 484 Environmental Analysis & Policy in Coastal Management
MAF 490 Field Experience in Marine Affairs
MAF 499 Directed Study

Students must also take 18 credits from the following, of which 9 credits **must be at the 300 level or above**:

AFS 102, 201,202, 210, 211, 312, 315, 321/322,332, 362, 432, 483;
BIO 141, 262, 345, 355, 360, 418, 455/457;
CHM 103, 112, 124/126;
GEO 100, 103, 210, 240, 277, 370, 450, 483;
EEC 105, 110, 205,310, 345, 356, 410, 432, 435, 440, 441, 456, 460;
NRS 223, 361, 406, 409, 410, 423, 424, 440, 461,482, 497;
OCE 101, 215,216, 307, 310, 311, 492;
OCG 493, 494;
PHY 109/110, 111/185, 112/186, 130, 213/285, 214/286, 273 306;
STA 308, 409, 412, 413.

Free Electives (30+ credits):

Students are encouraged to utilize these credits toward a minor or to strengthen their science background.

MARINE AFFAIRS, B.S., 120 CREDITS

FALL 2011

College of the Environment & Life Sciences (CELS)

Department of Marine Affairs

STUDENT_____**ID #**_____ **ADVISOR**_____

I. GENERAL EDUCATION (38 Credits)

English Communication (EC):
COM100_____ (3)

Writing (CW):
WRT 333_____ (3)

Mathematics (M):
MTH 111_____ ***or*** MTH 131_____(3)

Natural Sciences (N):
BIO 101 _____(4)
OCG 123_____ (4) **or** OCG 401 _____(3)
**OCG 401 does not meet general education (N) requirement

Social Sciences (S):
_____(3) MAF 100_____ (3)

(15 credits from L, A, F)
Letters (L): _____(3) _____(3)

Fine Arts & Literature (A): _____(3) _____(3)

Foreign Language (FC): _____(3) _____(3)
Please reference the URI catalog for a listing of courses that meet the proper requirements

II. MAJOR (30 Credits MAF)

A. Required Major Courses (15 credits)
MAF 100* ____(3) MAF 120 _____(3)

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

MAF 482 _____(3) **Note:** STA 220 is a prerequisite for this course

Select 5 courses from the following list (15 credits):

MAF 312 _____(3)	MAF 465 _____(3)
MAF 320 _____(3)	MAF 471 _____(3)
MAF 330 _____(3)	MAF 472 _____(3)
MAF 413 _____(3)	MAF 475 _____(3)
MAF 415 _____(3)	MAF 484 _____(3)
MAF 434 _____(3)	MAF 490 _____(3-6)
MAF 461 _____(3)	MAF 499_____ (1-3)

B. Supporting Electives (18 credits)
You must take 18 credits from among the following courses; at least 9 credits must be earned in courses at the 300 level or above. Other courses that are marine related in the departments giving these courses may be approved by the Chair of the Department of Marine Affairs.

AFS 102_____(3)	AFS 201_____(3)	AFS 202_____(3)
AFS 210_____(3)	AFS 211 _____ (1)	AFS 311_____(3)
AFS 312_____(3)	AFS 315_____(3)	AFS 321_____(3)
AFS 322_____(1)	AFS 332_____(3)	AFS362_____(3)
AFS 432_____(3)	AFS483_____(3)	
BIO 141_____ (3)	BIO 262_____(3)	BIO 345_____(3)
BIO 355_____ (3)	BIO 360_____ (4)	BIO 418_____ (3)
BIO 455_ _____(3)	BIO 457_____(1)	
CHM 103_____ (3)	CHM 112_____(3)	
CHM 124_____(3)	CHM 126_____(1)	
EEC 105_____(3)	EEC 110_____ (3)	EEC 205_____(3)
EEC 310_____(3)	EEC 345_____ (3)	EEC 356_____(3)
EEC 410_____(3)	EEC 432_____ (3)	EEC 435_____(3)
EEC 440_____(3)	EEC 441_____ (3)	EEC 456_____(3)
EEC 460_____(3)		
GEO 100_____ (3)	GEO 103_____(4)	GEO 210_____(4)
GEO 240_____ (4)	GEO 277_____(3)	GEO 320_____(4)
GEO 370_____ (3)	GEO 450_____(4)	GEO 483_____(4)
NRS 223_____ (3)	NRS 361_____(4)	NRS 406_____(3)
NRS 409_____ (3)	NRS 410_____(3)	NRS 423_____(4)
NRS 424_____(4)	NRS 440_____(4)	NRS 461_____(4)
NRS/GEO 482___ (3)	NRS 497_____(6-12)	
OCE 110_____(1)	OCE 215_____(1)	OCE 216_____(1)
OCE 307_____(3)	OCE 310_____(4)	OCE 311_____(4)
OCE 492_____(1)		
OCG 493_____ (3)	OCG 494_____(3)	
PHY 109_____(3)	PHY 110_____(1)	PHY 111_____(3)
PHY 112_____(3)	PHY 130_____(3)	PHY 185____ (1)
PHY 186_____(1)	PHY 213_____(3)	PHY214/286__(3)
PHY 273_____(1)	PHY 285_____(1)	PHY 306 ____ (3)
STA 308_____ (3)	STA 409_____ (3)	STA 412_____(3)
STA 413_____ (3)		

Electives:

_____( ) _____( ) _____( )

_____( ) _____( ) _____( )

Marine Affairs, BS, 120 Credits

Freshman, Fall (14)	**Freshman, Spring (15-16)**
MAF 100	MAF 120
COM 100	MAF 220
BIO 101	Gen Ed (S)
MTH 111 or MTH 131	Supporting Elective**
URI 101	Free Elective
Sophomore, Fall (15-16)	**Sophomore, Spring (15)**
MAF Concentration	MAF Concentration*
OCG 123 or OCG 401***	Gen Ed
Gen Ed (A)	Gen Ed (A)
WRT 333	Gen Ed (L)
Supporting Elective**	Free Elective
Junior, Fall (15)	**Junior, Spring (15)**
MAF Concentration*	MAF Concentration
STA 220 or STA 308	MAF 482
Gen Ed (F)	Gen Ed (F)
Gen Ed (L)	Free Elective
Supporting Elective**	Free Elective
Senior, Fall (15-16)	**Senior, Spring (15)**
MAF Concentration*	MAF 410
Gen Ed (N)	Free Elective
Supporting Elective**	Free Elective
Free Elective	Free Elective
Free Elective	Free Elective

Note: Students may combine supporting electives to pursue a double major or a minor field of study.
Students can reduce the required 15 credits in L, A, and F by 3 credits
*Students must take at least 30 credits in the concentration, but not more the 42 credits
**At least 6 credits must be 300-level or above courses
***OCG 123 satisfies (N) while OCG 401 does not.