

Table 2: Major Sheet for the Bachelor of Science in Marine Science (0464)

Courses	Credits	Pre-requisites
I. University Requirements	27	
A. Compulsory Courses*	15	
101 Arabic Language Communication Skills (03-10)	3	
100 Modern and Contemporary History of Kuwait	3	
102 History of Arab Islamic Civilization (03-30)	3	
161 English Language (99-88)	3	Pass English / placement test
162 English Language (99-88)	3	E161
B. Elective Courses**	12	
Only one course to be selected from each list below:		
1. Social and Humanities Studies:		
101 Introduction to Mass Communication	3	
201 Principles of Education	3	
136 Family Education	3	
101 Introduction to Psychology	3	
101 Introduction to Sociology	3	
171 Introduction to Anthropology	3	
2. Language and Communication Skills:		
100 Culture and Literature in Kuwait	3	
102 Aesthetics of Arabic Literature*	3	
104 Aesthetics of Quran Stylistics	3	
180 Principles of Translation	3	
163 English Language III	3	
173 English – Technical Writing	3	
3. Ethical Inquiry and Moral Reasoning:		
102 Legal Education	3	
105 Human Rights	3	
108 Ethics and Modern Society	3	
102 Islamic Culture	3	
142 Islam and Modern Society	3	
145 Islam and Issues of Science and Technology	3	
103 Government and Politics of Kuwait	3	

Courses	Credits	Pre-requisites
4. Understanding Cultural Diversity:	27	
101 Philosophy of Science	3	
102 Introduction to Logic	3	
103 Principles of Philosophy	3	
110 Principles of Administration for non-Business majors	3	
104 Principles of Economic	3	
105 A Comparative Perspectives on Women and Politics	3	
II. Faculty Requirements	20	
0410-101 Math Calculus I	3	Pass placement test or 0410-91
0420-101 General Chemistry	3	Pass placement test or 0420-92
0420-105 General Chemistry Lab	3	0420-101
0430-101 General Physics	3	0430-101
0460-101 Physical Geology	3	
0480-103 Statistics for Marine Sciences	3	
0490-101 Biology I	3	E161
III. Marine Sciences Requirements	56	
A. Compulsory Courses	22	
0464-100 Marine Science I	4	None
0464-203 Introduction to Marine Geology	4	0464-100
0464-204 Introduction to Marine Chemistry	4	0464-100
0464-205 Introduction to Marine Biology	4	0464-100
0464-206 Introduction to Marine Physics	4	0464-100
0464-460 Marine Data Analysis Methods	3	Pass 60 Credits
B. Elective Courses	34	
Students must choose a total of 34 credits. At least 16 from 300-level courses and 18 credits from 400-level courses.		
0464-102 Marine Scuba Diving	4	Department Approval
0464-360 Marine Microbiology	4	0464-205

Courses	Credits	Pre-requisites
0464-361 Marine Ichthyology	4	0464-205
0464-362 Introduction to Fisheries Stock Assessment	4	0464-205
0464-363 Marine Invertebrates	4	0464-205
0464-364 Principles of Aquaculture	4	0464-205
0464-365 Chemical Oceanography	4	0464-204
0464-366 Marine Biogeochemistry	4	0464-204
0464-367 Plankton Ecology	4	0464-205
0464-368 Dynamical Oceanography	4	0464-206
0464-369 Coastal Processes & Morphology	4	0464-203
0464-370 Marine Sedimentology & Stratigraphy	4	0464-203
0464-371 Marine Science Remote Sensing	4	0464-100
0464-372 Applied Hydrography & Marine Geophysics	4	0464-203
0464-373 Marine Botany	4	0464-205
0464-374 Marine Phycology	4	0464-205
0464-456 Applied Marine Phycology	3	0464-205
0464-461 Marine Ecology	3	Pass 70 Credits
0464-462 Marine Microbial Ecology & Geo-microbiology	3	205
0464-463 Marine Vertebrates	3	0464-205
0464-464 Fishery Biology & Management	3	0464-205
0464-465 Blue Foods in Global Food Systems	3	0464-205
0464-467 Marine Environment & Conservation	3	Pass 70 Credits
0464-468 Chemistry of Marine Pollution	3	0464-204
0464-469 Applied Chemical Oceanography	3	0464-204
0464-471 Marine Bioinorganic Chemistry	3	0464-204
0464-473 Coastal Zone Management	3	0464-203
0464-474 Applied Geological Oceanography	3	0464-203
0464-475 Introduction to Ocean Modeling	3	0464-206
0464-476 Ocean-Atmosphere Dynamics	3	0464-206
0464-479 Decision Making in the Management of Natural Resources	3	Pass 70 Credits

Courses	Credits	Pre-requisites
0464-480 Communicating in Marine Science	2	0464-100
0464-495 Research Project	1	Min. 90 credit units completed, min. 2.67 GPA (B-). Requires Program and Instructor approval.
IV. Minor: Student chooses a Minor from any of the Departments in the Faculty of Science programs or other Faculty of the University upon approval of program director.	24	
V. Free Electives: To be selected from any other Department in the University	3	
Total Number of Credits required for Graduation	130	

* 101 Arabic Language Communication Skills equivalent 193 Arabic Language for non-Arabic speakers. 102 Arab & Islamic civilization History equivalents 194 History of Arab-Islamic Civilization for non-Arabic speakers.

** Can choose any course from 100 level offered by Faculty of Science (other than compulsory courses from the student major sheet) to be consider among the university elective courses.