

Bachelor Marine Science - Northern Philippines Sea

Draft list of Subject topics for a B. Marine Science

Specializations in: Marine Technology and Coastal Resource Management (CRM)

CURRICULUM COURSE LIST – General Education Courses – were selected to be consistent within the Faculty of Forestry and Environment Science, Aurora State College of Technology, Baler Aurora in 2011/2012.

1. English 100 – Study and Thinking Skills in English
2. English 101 – Reading and Writing in the Discipline
3. Filipino 100 – SiningsaPakikipagtalastasan
4. Filipino 101 – Pagbasa at Pagsulatsalba't-IbangDisipline
5. Hum 100 – Art Appreciation
6. Lit 100 – The Literature of the Philippines
7. Lit 101 – Literature of the World
8. Ethics 410 – Professional Ethics and Values Education
9. Math 100 – College Algebra
10. Math 101 – Plane Trigonometry
11. Math 103 – Analytical Geometry and Calculus
12. Stat 100 – Statistics 1
13. Nat. Sci. 102 – Inorganic Chemistry
14. Nat. Sci. 103 – Organic Chemistry
15. Nat. Sci. 104 – Physics
16. Nat. Sci. 110 – Biology
17. CS 100 – Computer Concepts and Fundamentals
18. CS 101 – Computer Systems Application
19. Soc. Sci. 100 – General Psychology
20. Soc. Sci. 102 – Basic Economics w/ Land Reform and Taxation
21. Soc. Sci. 101 – Society and Culture w/ Family Planning
22. Soc. Sci. 103 – Politics and Governance w/ Phil. Constitution
23. PI 100 – Philippine History
24. PI 101 – Rizal's Life, Works and Writings
25. PE 100 – Self-Testing Activities
26. PE 101 – Rhythmic Activities
27. PE 103 – Individual/Dual Sports and Games

28. PE 104 – Team Sports and Games
29. National Service and Training Program (NSTP)
30. MSc 100 – Principles of Ecology
31. MSc 150 – People and Ecosystems
32. *Msc 180 – Forestry, Agricultural and Urban CRM
33. MSc 200 – Introduction to Marine Ecology
34. *MSc 250 – Marine Botany
35. MSc 260 – Invertebrate Zoology
36. *MSc 265 – Ichthyology
37. *MSc 290 – Climatology and Oceanography
38. MSc 330 – Marine Chemistry
39. *MSc 340 – Fisheries Management I
40. *MSc 410 – Coral Reefs, Mangroves and Sea Grasses
41. *MSc 220 – Community Relations
42. *MSc 275 – Communication & Coordination Strategies
43. *MSc 280 – Stakeholder Analysis & Critical Factor Assessmen
44. *MSc 310 – Community Development I
45. *MSc 310 – Marine Technology I
46. *MSc 370 – Marine and Coastal Small Business Development
47. *MSc 450 – Project Cycle and Program Funding
48. *MSc 460 – Community Development II
49. MSc 490 – Marine Biotechnology
50. *MSc 290 – Introduction to Spatial Analysis
51. *MSc 350 – Bioregionality and Spatial Planning
52. *MSc 400 – Global Warming & North Philippine Sea Coastline
53. *MSc 230 – Local Governance and CRM Mandates
54. *MSc 270 – National Governance and CRM Mandates
55. *MSc 420 – International Governance and Conventions
56. *MSc 240 – Research Topics I
57. *MSc 300 – Research Topics II
58. *MSc 360 – Research Topics III
59. *Research 310 – Problem Analysis and Research Methods
60. *Research 320 – Technical Report Writing for Scientific Research
61. *Research 330 – Thesis/Practicum
62. ES 310 – Environmental Education
63. FRM 420 – Watershed Management

- 64. *MSc 470 – Fisheries Management II
- 65. *MSc 480 – Marine Technology II

***Courses being designed through participatory curriculum development with fisherfolk and jurisdictions in ten provinces within the Northern Philippine Sea Marine Bioregion as outlined in the Feasibility Plan previously approved by the Aurora State College Board of Trustees.**