

Marine Science major graduate attributes

Graduate attribute	Courses that address the attribute
1. Possess an understanding of the fundamental physical and chemical processes, organisms, and ecological processes operating in the marine environment.	*BIOL1030, *ERTH1000, *CHEM1020, *MARS2014, *MARS3200, BIOL2203, BIOL2204, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
2. Possess an understanding of the major marine ecosystems and the processes that give rise to their structure and function.	*BIOL1030, *ERTH1000, *MARS2014, *MARS3200, BIOL2010, BIOL2015, BIOL3215, BIOL3219
3. Possess an ability to explain and articulate the economic importance and major threats to marine ecosystems.	*BIOL1030, *ERTH1000, *MARS2014, *MARS3200, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
4. Possess an understanding of the scientific method, including being able to formulate research questions and hypotheses.	*BIOL1030, *ERTH1000, *CHEM1020, *MARS2014, *MARS3200, BIOL2202, BIOL2203, BIOL2204, BIOL2006, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
5. Possess an appreciation of the critical importance of lifelong learning in scientific research and all related endeavours.	*BIOL1030, *ERTH1000, *CHEM1020, *MARS2014, *MARS3200, BIOL2203, BIOL2204, BIOL2006, BIOL2204, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
6. Possess an understanding of the process of researching and learning about contemporary topics in marine science from a range of sources.	*MARS2014, *MARS3200, BIOL2010, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
7. Possess an ability to consider and analyze both the scientific and social components of issues in marine science.	*BIOL1030, *MARS2014, *MARS3200, BIOL2010, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
8. Possess skills in scientific communication from a range of platforms, including reports, scientific papers, web-based outlets and oral presentations.	*BIOL1030, *ERTH1000, *CHEM1020, *MARS2014, *MARS3200, BIOL2203, BIOL2204, BIOL2006, BIOL2204, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
9. Possess an understanding of the importance of collaboration and teamwork in science and other endeavours, and an appreciation of the importance of being able to work effectively as a member of a team working towards a common goal.	*BIOL1030, *ERTH1000, *CHEM1020, *MARS2014, *MARS3200, BIOL2203, BIOL2204, BIOL2006, BIOL2204, BIOL2010, BIOL2015, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
10. Possess a general understanding of the techniques and approaches used in collection of data in marine science, and a more detailed understanding of specific techniques and approaches in focused fields of research.	*MARS2014, *MARS3200, BIOL2010, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211
11. Possess an understanding of potential career options in marine science and learn how to pursue them effectively.	*MARS2014, *MARS3200, BIOL2010, BIOL3215, BIOL3219, BIOL3206, BIOL3216, BIOL3226, BIOL3211

***compulsory courses; other listed courses are all Key Courses in Marine Biology & Ecology field of study**