



**Bachelor of Science  
ENVIRONMENTAL STUDIES  
2016 – 2017**

The Bachelor of Science in Environmental Studies offers students a broad field of study encompassing various disciplines and one area of specialization. Environmental problems are multifaceted and contain biological, chemical, social, historical, psychological, and economic elements that must be addressed. Thus, to understand the complexity of environmental problems and work effectively in an environmental career, an individual must have both an area of major academic concentration and a broad-based education. The Environmental Studies program requirements are structured to meet this dual need. Each student will take a minimum of 41 program credits and then select any minor to fulfill their concentration, representing the one area of specialization. The highlight of the program requirements is that each student will participate in an Issues & Actions course for each year they are at UMM. These Issues & Actions courses are designed for the students to apply their interdisciplinary knowledge and offer leadership opportunities, while working on a project dealing with the environment.

**General Requirements**

All University Core requirements must be met, in addition to the Environmental Studies requirements. Note that completion of some courses within the major, such as in mathematics, will also fulfill Core requirements. Students must earn a minimum of 120 credits and achieve a cumulative GPA of at least 2.00.

A minimum cumulative Grade Point Average (GPA) of 2.00 in the program requirements is necessary for graduation. This GPA must be achieved by the completion of a total of 60 credits. If the student fails to maintain this average in subsequent semesters, a warning may be issued. The student may lose matriculated status if the average remains below 2.0 after the completion of another 12 credits. A student may petition to be readmitted to the program.

Program Requirements	41-46 credits
ANT 212 Environmental Anthropology	3
<i>Select one course from:</i>	3
<i>ANT 313 Political Ecology</i>	
<i>POS 305 Environmental Policy</i>	
BIO 117 This is Life!	4
BIO 118 Animal Life	2
BIO 119 Plant Life	2
BIO 245 General Ecology	4
CHY 101 General Chemistry I	4
CHY 102 General Chemistry II	4
ECO 223 Environmental Economics	3
ENV 112 Environmental Issues	3
ENV 224 Scientific Writing & Presentation	2
ENV 114 Environmental Studies: Issues & Actions*	1-2

ENV 214	Environmental Studies: Issues & Actions*	1-2
ENV 314	Environmental Studies: Issues & Actions*	1-2
ENV 414	Environmental Studies: Issues & Actions*	1-2
<i>Select one course from:</i>		3-4
	<i>MAT 215 Applied Statistics</i>	4
	<i>MAT 113 Intro to Statistics</i>	3

\* Four-year rotation of themes such as: Energy, Climate Change, Sustainable Agriculture/Communities, Local Environmental Issues

**Concentration:**

All Students must complete a concentration based on fulfilling the requirements of any UMM minor (except Environmental Studies). The concentration must include a minimum of 24 credits, 9 of which must be at the 300 level, in the discipline of the minor.