



## **Earth System Science Minors – Justification of Proposed Program**

***Attach a detailed description of proposed program to include the following: background information, academic justification, student need and demand, listing of courses with credit hour requirements or deletions, facility requirements, and any other pertinent information.***

Earth System Science Minor tracks were removed from the UAH Catalog in 2013/2014. Since that time, students from other departments continue to request minors or cognates in the following areas: Atmospheric Science, Geographic Information Systems / Remote Sensing, Natural Disasters Impacts & Policy, and Earth Ecosystems. In order to service these requests, minors in these following Earth System Science areas of study are proposed. Each one of these minor tracks in ESS has been tailored to take advantage of the diverse undergraduate course offerings in the Earth System Science program. These minor tracks will utilize existing course offerings and facilities. These minor tracks complement, and have been already requested by, students studying Physics, Biological Sciences, Engineering, Computer Science, Political Science, Sociology, and World Languages and Cultures.

### Minor in Natural Disasters Impacts & Policy

<b>Natural Disasters Impacts &amp; Policy</b>		
<b>CRN</b>	<b>Course Name</b>	<b>CR</b>
<b>Required Courses</b>		
ESS 103	Environmental Earth Science	4
ESS 111	Weather, Climate, & Global Change	4
ESS 402	Natural Disasters	3
ESS 407	Env Thrts, Pub Pol., Dec.	3
<b>Elective Courses</b>	<b>(Choose at least 7 credit hours from Elective List)</b>	
ESS 200-400	Choose from below	7
		21
<b>Elective Course List</b>		
ESS 210	Collapse of Civilizations	3
ESS 212	Severe Weather Analysis	4
ESS 305	Hydrology	3
ESS 307	Environmental Archaeology	3
ESS 321	Pollution Problems	3
ESS 370	Remote Sensing	3
ESS 313	Geographic Info Systems	3
ESS 414	Geospatial Applications	3