

UNDERGRADUATE CURRICULUM PROPOSAL COVER SHEET  
(original and 1 copy)

TO: Chair, Curriculum Committee

FROM: Bradley Reynolds, Biological and Environmental Sciences Holt 108, 425-2247,  
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(proposal originator: include spokesperson's name, office number, telephone, e-mail)

CHECK ONE:  Full Proposal  Information Item

Title of Proposal: Changes Mathematics Level required for ESC 150 from Math 105 to Math 106

Effective Date for Curricular Offering: August 2009

Does this require new resources from the originating department or other department?  
No

Faculty of the originating department approved this proposal on November 7, 2008 (date),  
by a vote of 16 aye votes; 0 nay votes; 0 abstentions: 1 eligible voting  
members absent.

The following have examined this proposal:

Dept Head/Director: <u>John Tucker 11/12/07</u>	<input checked="" type="checkbox"/>		
<u>John Tucker</u>	approve	neutral	
<u>John Tucker</u>	disapprove*		

Spokespersons for Affected Departments:

_____	approve	neutral	
(name, department, date)	disapprove*		

_____	approve	neutral	
(name, department, date)	disapprove*		

_____	approve	neutral	
(name, department, date)	disapprove*		

_____	approve	neutral	
(name, department, date)	disapprove*		

Dean/Director: <u>F. Burkema</u>	<input checked="" type="checkbox"/>		
(SEND TO DIRECTOR OF RECORDS)	approve	neutral	
	disapprove*		

Director of Records: Regina Curtis Comments: \_\_\_\_\_

*JMS* Provost: *[Signature]*

  /    
approve  
disapprove\*             neutral

\*Those who disapprove may attach an explanation.

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ACTIONS on this proposal:	<i>Curriculum</i>	
<i>Faculty</i>		
	<i>Committee</i>	
<i>Council</i>		
Date the proposal was considered	_____	
Vote of the body:	_____	_____
Accepted as information item ( <i>indicate date</i> )	_____	_____
Approved as submitted ( <i>indicate date</i> )	_____	_____
Approved with amendments (amendments indicated and transmitted to all signatories above, date):	_____	_____
Signature of Chair:	_____	

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## **Change the Mathematics Level required for Environmental Sciences 150 from Math 105 to Math 106**

### Currently

#### **ESC 150 Introduction to Environmental Science I**

An introduction to systematic ways in which the human mind comprehends the natural world; emphasis on studies of living systems, natural processes, and related phenomena including basic ecological principles and environmental problems at local, national, and global levels. Topics to be covered include evolution, ecosystems, human overpopulation, biodiversity, energy sources, solid waste, and pollution of air, water, and soil. The laboratory integrates the scientific approach and provides hands-on experience in identification of abiotic and biotic factors affecting environmental quality. Every semester. *Lecture 3 hours, laboratory 2 hours. Prerequisite: UTC Math Placement Level 15 or Math 105 or equivalent. Laboratory/studio course fee will be assessed.*

### Proposed Change

*Prerequisite: UTC Math Placement Level 20 or Math 106 with a C or better or Math ACT score of 22 or above.*

### Rationale

Environmental Science 150 requires knowledge of basic mathematics skills – percents, fractions, decimals, and graphing. By requiring Math 106 instead of Math 105, students will have a better chance to succeed in the course. Astronomy 101/181, Chemistry 121/123, General Science 111, and Geology 111 require Math 106 as a prerequisite. The Biology/ESC Department has submitted a proposal to the Curriculum Committee to require Math 106 instead of Math 105 for Biology 121 as well.

### Effect of Course on the Departmental Program

No effect.

### Relation of Course to Other Departments

Environmental Science 150 is a General Education course in Natural Sciences. Requiring Math 106 will ensure the requirements are similar to other General Education Natural Science courses.