UNDERGRADUATE CURRICULUM PROPOSAL COVER SHEET
(original and 1 copy)

Title of Proposal: BIOL. Change in the Mathematics Level required for Biology 121 from Math 105 to Math 106

Check One: ___ Full Proposal ___ Information Item

Effective Date for Curricular Offering: August 2009

FROM: Linda T. Collins, Biological and Environmental Sciences, 213 Holt Hall, 425-4797, linda-collins@utc.edu (proposal originator: include spokesperson's name, office number, telephone, e-mail)

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

Faculty of the originating department approved this proposal on 11/7/2008 (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: John C. Tucker Signature Approve neutral disapprove*

College Curriculum Committee Date: ___ Vote: ___ Signature of Chair ___

Spokespersons for Affected Departments:

(name, department, date) Signature Approve neutral disapprove*

(name, department, date) Signature Approve neutral disapprove*

(name, department, date) Signature Approve neutral disapprove*

(name, department, date) Signature Approve neutral disapprove*

Dean/Director: H. Barber Signature Approve neutral disapprove*

University Registrar: Linda Orth Comments __________________

Provost: Phil Oldham Signature Approve neutral disapprove*

*Those who disapprove may attach an explanation.
<table>
<thead>
<tr>
<th>ACTIONS on this proposal:</th>
<th>Curriculum Committee</th>
<th>Faculty Senate</th>
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<td>Date the proposal was considered</td>
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<td>Vote of the body:</td>
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<td>Accepted as information item (indicate date)</td>
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<td>Approved as submitted (indicate date)</td>
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<td>Approved with amendments (amendments indicated and transmitted to all signatories above, date):</td>
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<td>Signature of Chair:</td>
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Change in the Mathematics Level required for Biology 121 from Math 105 to Math 106

Currently
**121 Principles of Biology I (4)**
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 methods of the biologist, Darwin’s evolutionary theory, role of organic molecules in biological systems, cell division, Mendelian inheritance, molecular genetics, physiology of digestion, respiration and fluid regulation, and animal behavior. 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
Biology 121 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 ESC 150 as well.

Effect of Course on the Departmental Program
No effect.

Relation of Course to Other Departments
Biology 121 is required for the Secondary Education: Natural Sciences majors. It is a General Education course in Natural Sciences. Requiring Math 106 will ensure the requirements are similar to other General Education Natural Science courses.