



**ACTIONS on this proposal:**

**Curriculum Committee**

**Faculty Senate**

Date the proposal was considered

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\_\_\_\_\_

Vote of the body:

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Accepted as information item  
(*indicate date*)

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Approved as submitted  
(*indicate date*)

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Approved with amendments  
(amendments indicated and transmitted  
to all signatories above, date):

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Signature of Chair:

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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.