

## UMBC UGC Program Changes & Other Request: Early Childhood Education Program

Date Submitted: 3/26/19

Proposed Effective Date: 3/26/19

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### Specifics (see instructions):

Please delete the following courses from the Acalog –

EDUC 443 Process Seminar in Early Childhood Education –Math

EDUC 444 Teaching of Problem Solving and Thinking Skills in Early Childhood Level II

### **EDUC 443 - Process Seminar in Early Childhood Education - Math/Science Level II**

(2.00)

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This seminar involves experiential learning with materials, equipment and processes related to mathematics and science curricula.

Course ID: 53525

Consent: Department Consent Required

Components: Lecture

Requirement Group: You must complete [EDUC 439](#).

### **EDUC 444 - Teaching of Problem Solving and Thinking Skills in Early Childhood Education, Level II**

(3.00)

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Problem-solving and thinking as an educational process with a focus on children's learning in mathematics, science, social studies and creative arts in the early-childhood curriculum. Emphasis is on meeting the needs of individual children. Focus is on teaching methods and instructional strategies using early-childhood materials and learning centers (books, blocks, dramatic play, sand/ water, art materials, special artifacts, etc.) to teach social studies, mathematical and scientific concepts, and creative arts through an integrated curriculum. Candidates construct instructional units.

Components: Lecture

Requirement Group: You must complete [EDUC 439](#).

**Rationale (see instructions):**

The above courses were replaced with –

EDUC 433 – Mathematics Processes in Early Childhood Education

EDUC 434 – Science Processes in Early Childhood Education

These two course are more aligned with Maryland State Department of Education requirements

## **EDUC 433 - Mathematics Processes in Early Childhood**

(4.00)

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Teacher candidates will study how young children acquire mathematical content and processes. Candidates will also learn how to support, encourage and foster mathematical thinking in young children in a 3 hour/week field experience in a primary grade as part of their Phase I internship. In order to align with the Maryland Common Core State Standards/Maryland College and Career Ready Standards, this course places a special emphasis on how to teach concepts about whole numbers, geometry, spatial relationships and measurement.

Course ID: 101959

Consent: No Special Consent Required

Components: Lecture

## **EDUC 434 - Science Processes in Early Childhood**

(4.00)

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This course involves experiential learning with materials, equipment and processes central to teaching science to young children. In a 3 hour/week field placement, students will use their classrooms and outdoor environments to practice teaching science to young children. Inquiry practices and integrated curriculum will be emphasized. Students will design and implement a unit of study to meet NAEYC Standards.

**Course ID:** 101961

**Consent:** No Special Consent Required

**Components:** Lecture