

Northwest Arkansas Community College
(Social & Behavioral Sciences Division)

Discipline Code

ECTC

Course Number

2403

Course Title

Math & Science for Early Childhood

Catalog Description

Students will become familiar with a variety of ways to introduce children birth through pre-kindergarten, including children with special needs to ideas and concepts related to math and science. Students will create activities; plan and practice developmentally appropriate experiences that would meet recognized standards (NAEYC, NCTM, etc.) for these areas.

Prerequisites

CHED 1003, 2033

Credit Hours

3 credit hours

Contact hours

45 contact hours

Load hours

3 load hours

Semesters Offered

Spring

ACTS Equivalent

N/A

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Demonstrate the use of the inquiry method for young children (NAEYC 1a, 1b, 1c, 4b, 4c, 4d, 5a, 5b, 5c, 6d)
- Demonstrate the ability to connect with and educate families about math and science concepts for young children (NAEYC 2a, 2b, 2c, 4a, 6b, 6c)

- Apply knowledge of children’s growth and development to appropriate teaching strategies (NAEYC 6e)
- Use the Arkansas Child Development Early Learning Standards to develop appropriate goals and objectives for math and science activities and lesson plans
- Develop quality math and science learning environments for young children (NAEYC 6b, 6a,)
- Observe and document children's learning (NAEYC 3a, 3b, 3c)
- Connect research and knowledge with professional practice (NAEYC 6c, 6e)
- Differentiate the process skills needed for math and science experiences (NAEYC 3d)

General Education Outcomes Supported

- N/A

Standard Practices

Topics list

- N/A

Learning activities

- N/A

Assessments

- N/A

Grading guidelines

- N/A