

# NATURAL SCIENCES

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The four 100-level natural sciences courses are required for all elementary education majors to meet the content licensure standards for Minnesota. The courses are each seven weeks in length and include both classroom and laboratory experiences. The courses are inquiry-based and distinct from typical college science courses; the laboratory experiences are designed to build a conceptual understanding necessary for teaching science in the elementary classroom.

## **NAS 101D • Science Concepts - Life Sciences 2 Credits**

Fundamental concepts and processes of life science. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

*Prerequisites: Major in elementary education or special education. Offered: Fall, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.*

## **NAS 102D • Science Concepts - Earth/Space Science 2 Credits**

Fundamental concepts and processes of earth/space science. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

*Prerequisites: Major in elementary education or special education. Offered: Fall, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.*

## **NAS 103D • Science Concepts - Chemistry 2 Credits**

Fundamental concepts and processes of chemistry. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

*Prerequisites: Major in elementary education or special education. Offered: Occasionally January, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.*

## **NAS 104D • Science Concepts - Physics 2 Credits**

Fundamental concepts and processes of physics. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

*Prerequisites: Major in elementary education or special education. Offered: Fall, January. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.*