

# INTEGRATED SCIENCE (ISCI)

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## **ISCI 2110. Integrated Physical Science (3)**

This course is intended for students planning a career in elementary education. The course will focus on developing students' conceptual understanding of important concepts, methods, and applications of Physical Science. In addition, the course will focus on the pedagogical knowledge necessary to effectively teach and meet the needs of diverse learners in the P-5 classroom setting. This course is aligned with the Georgia Standards of Excellence for Science, which are based on the national Next Generation Science Standards, as well as the GACE Early Childhood Science standards and will cover the following topics: motion, light, sound, waves, forces, electricity, magnetism, atomic structure, periodicity, and changes in matter.

## **ISCI 2120. Integrated Life & Earth Sci (3)**

This course is intended for students planning a career in elementary education. The course will focus on developing students' conceptual understanding of important concepts, methods, and applications of Life and Earth Sciences. In addition, the course will focus on the pedagogical knowledge necessary to effectively teach and meet the needs of diverse learners in the P-5 classroom setting. This course is aligned with the Georgia Standards of Excellence for Science, which are based on the national Next Generation Science Standards, as well as the GACE Early Childhood Science standards and will cover the following topics: characteristics of life, biodiversity, heredity, energy flow, interdependence of life, cellular structure and function, earth systems, astronomy, and the biosphere.