

## Science Education (SCIE)

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### **SCIE 4210**

#### **Science Teaching Methods I**

**3**

\* Prerequisite(s): University Advanced Standing

Explores foundational aspects of learning science and how this intersects with the nature of science in secondary schools. Includes introductions into state science standards, best methods of engaging learners, how to generate inclusive science learning environments, and promote discourse and collaboration in the service of greater student learning.

### **SCIE 4220**

#### **Teaching Methods in Science II**

**3**

\* Prerequisite(s): SCIE 4210 and University Advanced Standing

Examines instructional methods and curriculum for teaching science in the secondary school. Includes developing, adapting, evaluating, and using strategies and materials for teaching biological and physical sciences, appropriate both to the special needs of the learners and the special characteristics of science discipline.