EARTH AND SPACE SCIENCE EDUCATION (SCE)

College of the Sciences and Mathematics

Courses

SCE 320. Science Methods for Grades PK-4. 3 Credits.
A science methods course for PreK-4 teachers to master classroom and materials preparation and the design of developmentally effective instruction and assessment. Teachers learn methods that promote children’s ability to do inquiry and master PA academic standards in science and technology and environment and ecology.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall, Spring & Summer.

SCE 330. Science Methods for Middle Level (4-8). 3 Credits.
A course to prepare the middle level teachers for teaching science with a focus on the developmental and pedagogical needs of middle level students. Teacher candidates will apply science content, develop knowledge how students learn science, explore materials and resources, and learn how to plan and access effective standards based middle level science instruction.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

SCE 350. Science Education in the Secondary School. 3 Credits.
Philosophy, objectives, and methods of teaching science. This is an Early Field Experience course with observation hours are completed in schools. Students must have current clearances for TB, criminal background, FBI, and child abuse before they can be assigned to schools to perform course assignments/other requirements. For the WCU policies on clearances, select the "Teacher Education Center" on the College of Education Web site.
Pre / Co requisites: SCE 350 requires formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall.