teaching labs, outreach programs or regional schools. In addition, students will design, implement, and present an action research project. This course is intended to be taken as a two-semester co-requisite of SCI 510 and SCI 520.

**SCI 549: Science Field Experience I**

This course requires teacher candidates to complete 50 hours of supervised field experience at various sites and with diverse learners, including: high needs schools, students with disabilities or special needs, English language learners, and diverse age groups. The field experience will involve: observing instruction by sponsoring teacher and other teachers using a structured observation protocol, assisting sponsoring teachers with class activities, tutoring students, planning curriculum and negotiating curriculum with students, assessing student knowledge, and preparing written assignments for the methods courses on the basis of the above activities.

1 credit, S/U grading

**SCI 550: Science Field Experience II**

This course requires teacher candidates to complete 50 hours of supervised field experience at various sites and with diverse learners, including: high needs schools, students with disabilities or special needs, English language learners, and diverse age groups. The field experience will involve: observing instruction by sponsoring teacher and other teachers using a structured observation protocol, assisting sponsoring teachers with class activities, tutoring students, planning curriculum and negotiating curriculum with students, assessing student knowledge, and preparing written assignments for the methods courses on the basis of the above activities. Prerequisite: Matriculation in Science Education Program, SCI 549, SCI 510, 520, 541, 542 CEE 505 and CEE 565; submission of portfolio and interview with and permission of Science Education Committee 631.632.7059; matriculation in degree (MAT, MS, Ph.D or MA/LS) program; completion of any content area deficiencies

3 credits, Letter graded (A, A-, B+, etc.)