

TECP85C : Practicum and Methods of Teaching Middle/Secondary School Science

Prepare prospective teachers for teaching science at the middle/secondary school level. Developmentally appropriate content, strategies, and methods of instruction will be discussed with emphasis on the implementation in the teaching placement. This course also requires placement in an educational setting appropriate for the intended certification area. Students work toward mastery of attitudes, techniques, and professional practices for successful teaching. A college supervisor and a field-based professional provide supervision. This course addresses specific N.H. state standards for certification in the following content areas: Life Sciences, Chemistry, General Science, Earth/Space Science, Physics and Professional Education Standards (N.H. Standard Ed 610).

Credits 7

Lab/Practicum/Clinical Hours 15

Lecture Hours 2

Prerequisites

Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.

Completion of previous coursework in TECP and permission of TECP director

Learning Outcomes

- Plan for learning facilitation, drawing upon knowledge of content area standards, cross-disciplinary skills, learners, the community, and appropriate pedagogy.
- Demonstrate content knowledge by applying the central concepts, tools of inquiry, and the structure of the discipline of science teaching.
- Ensure an inclusive Science learning environment that allows each learner to reach his or her full potential.
- Use of multiple methods of assessment to engage learners in their own growth, document learner progress, provide learner feedback, and inform the educator's ongoing planning and instructional practices.
- Employ learning facilitation strategies by using of a variety of strategies and tools to encourage learners to develop deep understanding of the content areas and their connections to other disciplines.
- Reflect on professional practice and evaluate the effects of choices and actions on students, families, and other professionals in the learning community.