

## Measure 1: Completer Impact and Effectiveness

During the 2023-2024 academic year, the EPP adopted a new model for data collection and analysis as it relates to completer impact and effectiveness. Implemented in Spring 2024, the EPP deployed a multiple case study methodology to study completers.

For the purpose of the study, the phenomenon under investigation is the overall effectiveness of initial programs at ESU-TTC, and the individual cases are completers of initial programs themselves. The study aims to examine the following research questions:

- How effective is the teaching of recent completers from ESU-TTC?
- How do recent ESU-TTC initial program completers impact P-12 student learning?
- How do completers of ESU-TTC compare in cross-case analysis?

The sample required for the study consists of individuals who have completed an initial program in ESU-TTC within the last 3-5 semesters and are currently employed in a cooperating school district. The EPP set a goal of a representative sample in three semesters of data collection (spring 2024, fall 2024, and spring 2025), aiming to secure at least one participant in each of the following areas:

- **STEM (secondary education)**, including biology, chemistry, earth and space science, physics, science 5-8, and mathematics.
- **Liberal Arts and Sciences (secondary education)**, including social studies, English language arts, Spanish
- **Physical Education and Health**
- **Fine Arts**, including music, art, and speech/theatre
- **Alternative Route**, including Master of Elementary Education and Restricted Licensure
- **Undergraduate Elementary Education**, including elementary education and elementary education unified

At the time of writing this annual report, 10 participants have engaged in the research study. Data collection is complete for 8 participants and is underway for 2 participants. Participants completed programs in the following areas:

- **STEM (secondary education): 2**
- **Liberal Arts and Sciences (secondary education): 1**
- **Physical Education and Health: 1**
- **Fine Arts: 1**
- **Alternative Route: 1**
- **Undergraduate Elementary Education: 4**

Five sources of data were collected for each participant, including: lesson observations, post-lesson semi-structured interviews, a single lesson plan submission, a pre-post-test evaluation of anonymized student data, and a comprehensive evaluation from a school district administrator. Data collection will conclude at the end of the spring 2025 semester, and data analysis will begin in summer 2025. At the conclusion of data analysis, program faculty will evaluate the usefulness of the multiple case study methodology and determine next steps for the 2025-2026 academic year.