

MAED 4660: Yearlong Clinical Experience II

7 Credit Hours

Prerequisite: MAED 4650 and eligibility to take GACE

This course is the second semester of an intensive and extensive co-teaching yearlong clinical experience in mathematics education. Under the guidance of a collaborating teacher and university supervisor and working in a heterogeneous environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars and the completion of a content pedagogy assessment.

Notes: Proof of liability insurance is required as well as a background check.

MAED 4661: Yearlong Clinical Experience II Seminar

1 Credit Hours

Corequisite: MAED 4660

This seminar supports and assesses candidate development in secondary mathematics education during the clinical experience. Candidate reflect on the development of their competencies, skills, and dispositions, and support for teacher performance assessments is provided. Seminar discussions challenge candidates to examine and integrate current issues, values, and practices in the secondary mathematics (6-12) classroom.

ENGR 3804: Introduction to Aerospace Structural Analysis

3 Credit Hours

Prerequisite: ENGR 3801

An introductory course for analyzing aircraft structures. It bridges together the basic solid mechanics with applications to aerospace structures. This course covers an overview of air- craft analysis, design, and certification criteria, followed by an in- depth discussion on material selection, determination of material allowables, and stress-strain approximation allowable curves are covered.