

# Certificate in Engineering Education

The College of Applied Studies, in conjunction with the College of Engineering, offers the graduate certificate in engineering education. The graduate certificate in engineering education is designed to:

1. Provide engineering graduate students with knowledge of contemporary learning theories that can be applied to university-level instruction;
2. Provide engineering graduate students with knowledge and skills in classroom testing and program evaluation;
3. Provide engineering graduate students with knowledge of pedagogical skills that can be applied to university-level instruction;
4. Provide engineering graduate students with the skills to apply knowledge of learning theory, pedagogical theory and measurement theory in an authentic university setting.

This certificate program provides joint mentorship from College of Applied Studies and College of Engineering faculty members. Students who plan to apply for university teaching positions after graduation need to be competitive in a market that demands good teaching as well as good research. The engineering education certificate will give WSU graduates a competitive edge.

## Admission

Students seeking this graduate certificate program must be Wichita State University engineering graduate students in good standing either in a degree-bound program or in nondegree, Category A status. Students should contact the Graduate School to determine if they need to apply for admission to this status, or need to reactivate their enrollment file. Students who have not completed graduate coursework at Wichita State University will need to apply for admission to degree status or nondegree, Category A status in an appropriate area of engineering, by submitting an application and application fee to the Graduate School. An official transcript from each school attended must be sent directly to the Graduate School from the institution issuing the transcript, or must be submitted to the Graduate School office in envelopes sealed by the issuing institution, if issued to student.

## Program Requirements

### Background Check

Upon admission and prior to their first semester, all applicants admitted to this program must clear a criminal background check. There are two reasons for this requirement. First, it is part of the university's due diligence before placing students in field settings. Second, the check may alert applicants or students to issues that may subsequently affect their ability to work in their chosen field. In instances when a person's criminal history raises reasonable concerns that should be cleared to engage in the field experiences and/or subsequently obtain licensure/endorsement, WSU may take a range of actions, including rescission of admission or dismissal from the program, depending on the nature of the concern.

For information regarding this requirement, visit: Advanced Programs (<https://wichita.edu/clesadvancedprograms>).

## Curriculum

The following courses are required for completion of this certificate:

Course	Title	Hours
CESP 820	Learning Theory and Instruction (spring)	3

CESP 811	Principles of Measurement and Program Evaluation (spring)	3
CI 816	Advanced Methods: Developing Critical and Creative Thought (spring)	3
CI 816A	Internship: Developing Critical and Creative Thought (fall)	3
Total Credit Hours		12

## Completion Requirements

A cumulative graduate GPA of 3.000 for all courses comprising the certificate program is required. No grades below a C (2.000) are allowed in certificate program courses.

Completion process:

1. Students must notify the program area, in writing, of intent to complete the certificate.
2. In the semester the certificate requirements are met students must:
  - a. With graduate advisor, prepare and submit to the Graduate School a plan of study for the certificate.
  - b. Submit to the Graduate School an application for the certificate along with a \$15 filing fee.

Deadlines are no later than the 20th day of fall or spring semester, or the 10th day of a summer term.