

Certificate in Advanced Composite Materials

The College of Engineering offers a graduate certificate program in the area of advanced composite materials.

This program is designed to equip students with a knowledge of advanced composite materials including materials and processes, manufacturing, and structural analysis and design.

The array of courses is structured to provide extensive information about advanced composite material technologies, analyses associated with composite materials, and processing of composite materials.

Admission

Students seeking this certificate must be admitted to the Graduate School in either a graduate degree program or in a nondegree status. All Graduate School policies relative to admissions apply.

Program Prerequisites

Course	Title	Hours
MATH 555	Differential Equations I	3
AE 333	Mechanics of Materials	3
ME 250	Materials Engineering	3

Program Requirements

This program requires satisfactory completion of the following courses (a total of 12 credit hours):

Course	Title	Hours
ME 672	Manufacturing of Composites	3
AE 753	Mechanics of Laminated Composites	3
ME 762	Polymeric Composite Materials	3
Select one of the following:		3
AE 853	Advanced Mechanics of Laminated Composites	
Graduate level directed studies or special topics course in a composites related area approved by the COE Advanced Composites Committee		
Total Credit Hours		12

Students pursuing a graduate certificate must submit a plan of study request to complete the certificate. Students may apply certificate coursework toward a degree program.

A cumulative grade point average of 3.000 must be maintained for all courses comprising the certificate program with no grades below *C*.

In addition to these requirements, students must meet the Graduate School's requirements (<http://catalog.wichita.edu/graduate/academic-information/types-programs-courses/certificate-residency-badge-programs/>) in order to earn this certificate.

International students will not be issued an I-20 for pursuing a certificate program only, but they may obtain a certificate while concurrently pursuing a graduate degree.