Graduate Certificate in Advanced Composite Materials

The College of Engineering offers a graduate certificate program in the area of Advanced Composite Materials. This interdisciplinary program is aimed at equipping students with the knowledge of advanced composite materials including materials and processes, manufacturing, and structural analysis and design.

Certificate Requirements:
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.

Program prerequisites:
MATH 555  Differential Equations I
AE 333  Mechanics of Materials
ME 250  Materials Engineering

The program requires the completion of 12 credit hours from the following courses:
- ME 672 Manufacturing Composites & Lab
- AE 753 Mechanics of Laminated Composites
- ME 762 Polymeric Composite Materials
And ONE of the following:
- AE 853 Advanced Mechanics of Laminated Composites
- 3 credit hours of graduate level directed studies or special topics course in composites related area approved by the College of Engineering Composites Advisory Committee

Completion process:
1. Students who are already admitted to an appropriate Graduate category and who are interested in pursuing a graduate certificate must declare their intent to do so by filling out the online Declaration of Intent to Pursue a Graduate Certificate form at www.wichita.edu/GrCertIntent
2. Graduate School staff will then verify eligibility for the certificate with that program area, and add the appropriate codes to the student record to indicate their intent to pursue the certificate.
3. In the semester the certificate requirements are met students must:
   - Prepare (with graduate advisor) and submit (to the Graduate School) a Plan of Study (for the certificate).
   - Submit an Application for Graduate Certificate, along with the $15.00 filing fee, online through the Graduation Links channel in the myWSU portal, no later than the 20th day of classes for the fall or spring semester or the 10th day of classes for the summer semester.
Note:

- A cumulative grade point average of 3.000 must be maintained for all courses comprising the certificate program with no grades lower than that which generate 2.0 grade points.
- Substitutions and transfer work are generally not allowed for graduate certificates.

Admission Requirements:

Students seeking this graduate certificate program must be admitted to the Graduate School in either degree bound status, or non-degree Category A status. International students will not be issued an I-20 for pursuing a certificate program only. They may obtain a certificate only while concurrently pursuing a graduate degree. Students who have a previous graduate admission status should contact the Graduate School to determine if they need to apply for admission to an appropriate status, or simply need to reactivate their enrollment file, and declare their intent to pursue a graduate certificate.

Degree Admission – The student must have earned a bachelor’s degree from a regionally accredited institution or a recognized institution in another country whose requirements for the bachelor’s degree are substantially equivalent to an American four-year bachelor’s degree. The student must also have a grade point average of at least 2.750 based upon the last 60 hours of course work (or nearest semester or term break to this), including any post-bachelor’s graduate work, and no more than 9 hours of background deficiencies in the desired field. Some programs may require a higher minimum grade point average, as well as additional supporting materials. Visit www.wichita.edu/gradprograms for details on any departmental requirements.

Non-Degree, Category A – Students who already possess a graduate degree and who do not wish to pursue a second degree, or who wish to only pursue a graduate certificate should apply for non-degree, Category A admission. Admission to this category requires the applicant to either hold a graduate degree from a regionally accredited institution or recognized institution in another country, OR if the applicant does not hold a graduate degree, he or she must meet the same requirements as if they were applying for a degree program.

Details on how to apply for admission can be found online:
  Domestic Applicants: www.wichita.edu/grdoappinfo
  International Applicants: www.wichita.edu/grinappinfo

NOTE: When applying for admission please indicate in the Additional Information field that you are interested in pursuing this specific certificate, so your file can be coded appropriately.

Certificate programs are not eligible for Title IV (federal financial aid) funding unless the certificate is part of the degree program you are pursuing or the certificate has been specified as a Gainful Employment (aid eligible) program. This certificate has not been specified as a Gainful Employment program.

For more information:
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Apply On-Line to Graduate School: www.wichita.edu/apply