

Certificate in Foundations of Six Sigma and Quality Improvement

This certificate program is primarily intended for individuals with industrial affiliation who may be interested in enhancing their skills in quality engineering and six sigma methodology. The program includes most of the Certified Six Sigma Black Belt (CSSBB) requirements outlined by the American Society for Quality (ASQ). The certificate program includes detailed coverage of applied statistical and managerial techniques most useful for process improvement, resource management and design optimization.

Program Prerequisite

Course	Title	Hours
MATH 243	Calculus II	5

Program Requirements

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

Course	Title	Hours
Select four of the following:		12
IME 554 or IME 960F	Statistical Quality Control Statistical Process Control	
IME 724	Statistical Methods for Engineers	
IME 755	Design of Experiments	
IME 767	Lean Manufacturing	
IME 854	Quality Engineering	
IME 890	Independent Study in Industrial Engineering	
IME 990	Advanced Independent Study (on quality related topics)	
Total Credit Hours		12

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