15 HOUR ONLINE

LEAN SIX-SIGMA BLACK BELT

GRADUATE CERTIFICATE PROGRAM

DEPARTMENT OF TECHNOLOGY SYSTEMS, COLLEGE OF TECHNOLOGY & COMPUTER SCIENCE

The **Lean Six-Sigma Black-Belt** (LSSBB) certificate program prepares graduates for employment in business and industry in a variety of jobs related to quality and process improvement. The skills developed in the coursework lead to successful careers as a Lean Six-Sigma facilitator, continuous improvement manager, project leader, executive champion, and similar positions. The program is structured to achieve this objective through 15 semester hours of advanced course work. **All courses are offered 100% online with no on-campus residency required.** Minimum certificate requirement is 15 s.h. of credit as follows:

Program Requirements (15 Semester Hours)	
ITEC 6110 Quality Planning and Analysis	Choose one course from:
ITEC 6112 Statistical Analysis	ITEC 6002 Lean Manufacturing
ITEC 6501 Enterprise Process Improvement Project*	ITEC 6005 Lean Enterprise
ITEC 6600 Quality Systems	

*ITEC 6501 requires an industrial or business process project where certified savings or revenue increase should be shown. Students are responsible for finding and structuring the project.

Students may choose to pursue this certificate jointly with an MSTS degree in the concentrations of Manufacturing Systems or Quality Systems. A minimum total of 39 credit hours are required to jointly obtain the MSTS (Manf) or (Qual) degree and the LSSBB certification. Courses may have prerequisites that may be waived by the program coordinator based on student's background. The courses are scheduled to allow completion of the certificate program in 18 months. External transfer hours are not accepted in the certificate program.

Admission Standards

You must have a baccalaureate degree from an institution accredited by a regional association and have an overall GPA of 2.5 on a 4.0 scale on all undergraduate work; or a GPA of 3.0 on a 4.0 scale in either the undergraduate major or work taken during the senior year. Completion of a standardized examination, such as the GRE, is not required for admission to our graduate certificate programs.

Admission Procedure

1. Complete and submit a graduate certificate application from the ECU Office of Graduate Studies website at **www.ecu.edu/gradschool**.
2. Return any required forms to the ECU Office of Graduate Studies such as the Statement of Legal Residence, Statement of Purpose, official copies of all transcripts, and two letters of reference from persons who can attest to the applicant's academic competence or potential to complete the certification.

The Fine Print

Students completing this certificate are encouraged to apply for the MS in Technology Systems program. Admission to and completion of the certificate program does not supersede the admission requirements to a Masters of Science (MS) degree program at East Carolina University nor does it guarantee admission into a MS degree program. Concurrent work on an MS degree requires admission to the MS program.

The Department of Technology Systems is a national leader in offering graduate, technology related degrees online. The program is Internet based and permits students to be advised, complete courses, collaborate on projects, conduct research, and complete the degree via the Internet. Each student should have a state-of-the-art computer and reliable high speed Internet access. Students typically spend 10-15 hours per week in preparing for and participating in each course. Most of the students in the program are working professionals who are pursuing the degree for career advancement. Courses are scheduled in a sequence over the fall, spring, and summer semesters and this allows program entry in any semester. All students must meet admission and retention standards established by the ECU Graduate School.

*All information provided in this flyer is subject to change without notification. Students and applicants are required to review the Graduate Catalog (*www.ecu.edu/grcat/*) to learn about the current requirements, regulations, and policies.*

For more information contact:

Department of Technology Systems, Office of Graduate Studies

Phone: 252-328-9653 Email: mstechsystems@ecu.edu Website: www.tecs.ecu.edu/msts

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