APPLIED METROLOGY & SIX SIGMA QUALITY

Certificate



Central to Quality Management.

Central's Certificate in Applied Metrology & Six Sigma Quality provides undergraduate students with intensive knowledge and hands-on practice in quality management and metrology. This includes all practices, calculations, and measurement tools for establishing quality programs and ensuring quality in a production system. This program is intended for anyone interested in this specific skillset as part of their career and professional development in quality management, as well as students interested in enhancing their undergraduate degree program with this subject. Completion of courses TM 464 and TM 490 provide students the qualifications necessary to apply for a Six Sigma Green/Black Belt certificate. Prerequisites for some courses must be met or department permission is required to register for this program.

Program Features

- Available in hybrid and evening courses
- 15-credits
- Attend full- or part-time
- Small class sizes
- Access to state-of-the-art lab equipment and software
- All classes applicable to real-world workplace situations
- Classes taught by professionals with industry expertise
- Can be added to existing undergraduate programs or taken as a standalone program
- Can be stacked with other undergraduate certificates
- Financial aid and scholarships available

CENTRAL CONNECTICUT STATE UNIVERSITY

Daniel Kirby | Program Coordinator | 860.832.1691 | kirbyerd@ccsu.edu

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What You'll Gain

- Understanding of quality planning and managing quality in the supply chain
- Ability to read and specify geometric dimensioning and tolerancing specifications
- Skills to employ popular measuring instruments and perform fundamental inspection data analysis
- Capacity to operate advanced metrology equipment for inspection and reporting
- Understanding of the use of Six Sigma for Quality Management and Engineering

Required Coursework

TM 190 Global Quality Management Systems

TM 426 Applied Metrology*

TM 436 Advanced Applied Metrology

TM 464 Six Sigma Quality*

TM 490 Advanced Six Sigma Quality

*Prerequisite Courses

TM 426: MM 121 or **ROBO 220** or **ETM 260** (CAD or Parametric Modelling)

TM 464: STAT 104 or **STAT 200** (Statistics)

Contact program director for more details on prerequisites, including transfer courses or evaluation of prior training.

Admission Requirements

Current Central Students: contact Program Coordinator for form to declare this certificate program.

Non-students: Applicants for the Certificate in Applied Metrology & Six Sigma Quality can complete the online Central Undergraduate Application section at ccsu.edu/apply

Program Contact
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Program Director
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SCAN ME

ABOUT CENTRAL:
Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).



03/25

Information is subject to change. Please visit our website or contact graduate admissions for the most up to date information.