



CERTIFICATE -- Six Sigma

2023-2024



The Six Sigma Certificate is designed for students who want to work in industry in the area of process improvement and supply chain management. The certificate prepares students in analyzing and solving organizational quality issues. The certificate also prepares students to sit for the Certified Six Sigma Green Belt (CSSGB) offered through ASQ. Three years of quality-related work experience are required to test for Six Sigma Green Belt.

This degree is available fully online if desired.

TSIA Test Requirements (or equivalent)

Prior to: Grade 10, ELAR multiple choice 945; Grade 11, Math passed; Grade 12, ELAR passed

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Fall

EDUC 1300
Learning Framework
BMGT 1327
Principles of Management

Spring

BCIS 1305
Business Computer Applications
BMGT 2309
Leadership

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Fall

MATH 1342
Elementary Statistical Methods
BMGT 1331
Production and Operations Management

Spring

QCTC 1301
Total Quality Management
BMGT 1344
Negotiations and Conflict Management

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Fall

QCTC 1391
ST: Quality Control Tech: Lean Six Sigma
QCTC 1343
Quality Assurance

Spring

ENGL 2311
Technical & Business Writing
BMGT 1307
Team Building

Crosswalk Notes

These courses may apply toward the Business Management CTE pathway.

- BMGT 1327: 13012100 Business Management, Level 3
- BCIS 1305: 13011400 Business Information Management I, Level 1
- BMGT 1344: Human Resources Management, Level 3

Course alignments are suggestions that should be evaluated by the ISD prior to adoption. Additional courses may be relevant to CTE pathway upon further review. Additional suggestions for course alignments available upon request.

Six Sigma Certificate

Earn your next degree in Waco!

McLennan
COMMUNITY
COLLEGE

**Associate of Applied Science,
Supply Chain &
Operations Management**



TARLETON
STATE UNIVERSITY
Member of The Texas A&M University System
Waco @ MCC University Center

Bachelor of Science in Applied
Science, Business

Bachelor of Applied Arts & Sciences
Business

Bachelor of Applied Arts & Sciences
Manufacturing & Industrial
Management

Tarleton State University
IN WACO

University Center at MCC



Bachelor of Applied Arts & Sciences
in Applied Leadership

Texas Tech University
IN WACO

University Center at MCC



Marketable skills

- Apply operations planning, manufacturing resource planning, lean manufacturing, and supply chain concepts.
- Use quantitative and qualitative methods to build, sustain, and improve processes.
- Lead others through application of positive attitudes, goal-setting, motivational strategy and humility.

Career Opportunities

Six Sigma Certificate prepares students to work as:

- Operations Manager
- Inventory Specialist
- Logistics Manager
- Supply Chain Manager

mclennan.edu/supply-chain-and-operations-management/

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