

Spring or Fall at MTSU

Six Sigma Certification Course

Course Numbers: ET 3960-001 or ET 6190-001
Spring Fall

When?

SIX SIGMA **Yellow** or **Greenbelt** certification
6:00 p.m. weekly (3 credit hours)

What?

- ◆ Be able to identify customers' Critical-to-Quality (CTQ) characteristics
- ◆ Solve problems using DMAIC methodology and toolsets
- ◆ Increase bottom-line performance through defect reduction
- ◆ Use the Six Sigma metric
- ◆ Understand the terms associated with the six sigma process
- ◆ Use the proper six sigma tools to eliminate defects in any process
- ◆ Analyze process data using hypothesis and DOE techniques
- ◆ Develop different levels of controls for processes

- ◆ Relate six sigma to lean manufacturing/business processes
- ◆ Determine the Cost of Poor Quality (COPQ) in organizations
- ◆ Perform Design of Experiments (DOE) to model processes
- ◆ Implement these and other techniques in a logical, step-by-step manner as prescribed by the Six Sigma methodology & management philosophy in a hands-on industry Greenbelt project.

Who?

Students who want the skills industry desires in new employees!

Lectures - Simulations - Videos – Industry Project