

QUALITY INTERDISCIPLINARY (625)

625-106. Assessing your Supply Chain. (0.4 Credits)

Recognize the elements needed for maintaining a well-run supply chain, evaluate your organization's supply chain activities, and rate the elements needed to achieve maximal supply chain performance.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=106>)

625-150. Six Sigma Green Belt. (5 Credits)

WCTC's Six Sigma Green Belt course develops students into team leaders and problem-solvers who can regularly improve processes within their local areas and functions. Following the disciplined DMAIC (Define-Measure-Analyze-Improve-Control) roadmap, students learn to collect and analyze performance data, identify inefficiencies and problems, pinpoint the root causes of those problems and institute new protocols to greatly improve processes. Students will obtain skills in leading teams through the process of change, while incorporating a creative problem solving approach. Students will also be instructed on the use of Minitab software for statistical analysis. This Six Sigma Green Belt course provides real world application in the manufacturing, administrative and healthcare related fields. Students will learn firsthand how continuous quality improvement tools and strategies can positively impact their daily lives and careers. The class will incorporate theory, application and group activities where students will work collaboratively to present theory, current articles, results of simulation exercises and case studies. Paired with the Six Sigma Green Belt Project course (625-151), students will produce a comprehensive, final capstone project using all phases of the DMAIC approach. The student will be expected to demonstrate knowledge of the Six Sigma approach to continuous improvement using strategies and tools to address and improve process related inefficiencies.

Prerequisites: 804-189 with a minimum grade of C

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=150>)

625-151. Six Sigma Green Belt Project. (1 Credit)

WCTC's Six Sigma Green Belt Project course allows students that have completed the Six Sigma Green Belt training course to demonstrate their understanding of Six Sigma fundamentals through an application project. The Six Sigma Green Belt Project course is intended to be a comprehensive, final capstone project using all phases of the DMAIC approach. The student will demonstrate knowledge of the Six Sigma approach to continuous improvement using strategies and tools to address and improve process related inefficiencies. Following the disciplined DMAIC (Define-Measure-Analyze-Improve-Control) roadmap, students will demonstrate their understanding of problem statement development, how to collect and analyze performance data, identify inefficiencies and problems, pinpoint the root causes of those problems and institute new protocols to greatly improve processes. Students will also demonstrate their proficiency of analysis tools using Minitab software. Students that meet or exceed project criteria will earn the Six Sigma Green Belt certification.

Prerequisites: 625-150 (may be taken concurrently) with a minimum grade of C

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=151>)

625-152. Six Sigma Black Belt. (5 Credits)

This course examines and applies the various methodologies/ approaches to implementing six sigma initiatives.

Prerequisites: 625-151 with a minimum grade of C

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=152>)

625-153. Six Sigma Black Belt Project. (1 Credit)

This course discusses the utilization of statistical data to determine achievement of sigma benchmarks.

Prerequisites: 625-152 (may be taken concurrently) with a minimum grade of C

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=153>)

625-154. Six Sigma Orange Belt. (5.3 Credits)

This course provides application skills of Six Sigma Orange-Belt Certification.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=154>)

625-155. Six Sigma Blackbelt Completion. (3 Credits)

Discuss the utilization of statistical data to determine achievement of Sigma benchmarks. Prepare projects for the Black Belt certification process.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=155>)

625-401. APICS Basics/Supply Chain Mngt. (1.6 Credits)

Introductory course for production and inventory management that covers basic concepts in managing the flow of materials in supply chain.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=401>)

625-401A. Intro to Supply Chain Mgmt. (0.4 Credits)

Supply chain management is all about the design, planning, execution, control and monitoring of supply chain activities with the objective of creating net value, building a competitive infrastructure, leveraging worldwide logistics, synchronizing supply with demand and measuring performance.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=401A>)

625-401C. Advanced Supply Chain 4-hr. (0.4 Credits)

The focus of this workshop is to provide advanced level principles and concepts to supply chain management, a review of the supply chain planning processes in detail, and to discuss inventory management, procurement and logistics as they relate to the details of the supply chain process.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=401C>)

625-402. APICS Master Planning/Resource. (1.6 Credits)

Review of objectives and operating philosophies for executing a business plan.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=402>)

625-402A. Enterprise Resource Planning. (0.8 Credits)

Participants in this course will identify how material requirements planning (MRP) fits into ERP, discuss how inbound and outbound logistics impact the execution of ERP, evaluate the best ways to select a new ERP system, determine the process to monitor data accuracy within the ERP environment, define manufacturing strategies, and review how order management and procurement fit into the ERP process.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=402A>)

625-406. APICS Strategic Mngt/Resources. (1.6 Credits)

Participants will attain an understanding of best practices in alignment of resource application for goal achievement.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=406>)

625-409. Six Sigma Champion 8hr. (0.8 Credits)

This course is an in-depth review of DMAIC and other tools associated with the Six Sigma Green Belt Program.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=409>)

625-411. Root Cause Analysis. (0.8 Credits)

Root cause analysis is a procedure used to analyze the true, underlying challenges to performance. When used consistently, this process can lead to uncovering opportunities and innovations that are not typically sought. This training will explore the value of conducting a root cause analysis and the methods you can incorporate into your daily work.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=411>)

625-413. Intro to Lean. (0.2 Credits)

Gain an overview of lean principles and learn how to analyze systems and processes by creating efficiencies and eliminating waste.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=413>)

625-414. Lean Training. (0.4 Credits)

Learn to understand and apply basic problem-solving tools to foster continuous improvement-related processes in your organization.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=414>)

625-416. ISO and the Internal Auditor. (0.6 Credits)

Learn to interpret current ISO standards properly and apply those standards effectively during an actual audit within an organization. Gain a thorough understanding of internal auditing activities, including preparing for an audit, the audit process and audit reporting.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=416>)

625-422. LSS Overview. (3 Credits)

Explore the strategic benefits of incorporating Six Sigma into an organization.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=422>)

625-423. Inventory Best Practices. (0.4 Credits)

Learn to identify the common challenges associated with inventory management, improve inventory record accuracy, recognize true cost associated with maintaining inventory, and how to implement common systems and practices used in inventory storage.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=423>)

625-424. Sourcing Best Practices. (0.4 Credits)

Learn to identify the best approaches used to select and qualify suppliers and how to prepare for contract negotiation with a supplier by studying the steps in the process. Learn how to determine the advantages and challenges of implementing a Supplier Relations Management (SRM) strategy and identify the best practices used to measure supplier performance.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=424>)

625-427. Lean Six Sigma Silver. (4.4 Credits)

Explore basic Lean Six Sigma tools, including project selection and charting, metrics development, tools for DMAIC (defining, measuring, analyzing, implementing and controlling) process redesign, project team leadership and dashboarding.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=427>)

625-428. Project Management. (3.6 Credits)

Gain an introduction of project management principles using practical experience, tools and techniques. Learn how to create a systematic approach on how to initiate, plan, monitor, control and close out projects effectively and efficiently.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=428>)

625-429. Lean Six Sigma Silver Belt. (5.1 Credits)

Explore basic Lean Six Sigma tools, including project selection and charting, metrics development, tools for DMAIC (defining, measuring, analyzing, implementing and controlling) process redesign, project team leadership and dashboarding.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=429>)

625-432. Six Sigma White Belt Training. (0.8 Credits)

This course is designed to help project team members gain skills to improve the outcome of their Sigma initiative efforts.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=432>)

625-432A. Six Sigma White Belt. (0.6 Credits)

This course will provide a basic level of understanding of Lean Six Sigma Methodology and common tools used to eliminate waste and make process improvements.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=432A>)

625-433A. Six Sigma Champion Trng-16 Hrs. (1.6 Credits)

This course is an in-depth review of DMAIC and other tools associated.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=433A>)

625-434A. Statistics:Process Improvement. (1.6 Credits)

Develop the necessary skills to successfully evaluate manufacturing measurement systems. Learn fundamentals of statistical process control and how important quality tools can provide the necessary evidence to improve and control processes. Develop the skills to know when and where to use the various types of control charts available in Minitab for your own processes. Learn how to utilize important capability analysis tools to evaluate your processes relative to internal and customer specifications.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=434A>)

625-434B. Minitab Refresher. (0.8 Credits)

This course is intended for people who have already completed Lean Six Sigma training using Minitab. Participants will review how to run commonly used statistical data analysis exercises using Minitab and gain additional practice with the software.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=434B>)

625-435. Project Management. (1 Credit)

This training will provide employees with an introduction of project management using practical experience, tools and techniques.

Employees will learn and create a systematic approach on how to initiate, plan, monitor, control, and closeout projects more effectively.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=435>)

625-437. Lean Decision Making. (1.6 Credits)

Learn about the requirements of good decision making, anticipating organizational reaction, the four basic decision-making styles, the structured decision-making process, and overcoming barriers to effective decision making.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=437>)

625-438. Lean Training. (1.3 Credits)

Learn how to understand and apply basic problem-solving tools to foster continuous improvement-related processes in your organization.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=438>)

625-453. ISO Internal Audit. (4.8 Credits)

Internal auditing systems are outlined. Preparation, conduct and evaluation of audit results will be presented. Working papers, interviewing techniques, and assessment of non-conformance will be addressed, followed by reporting audit results and taking corrective action. The student will practice writing reports and requests for corrective action following an internal audit. Verification of implementation will be examined using case studies.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=453>)

625-453C. Internal Auditing. (1.6 Credits)

This course provides participants with an understanding of how to prepare, perform, report, and close an internal audit.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=453C>)

625-454. Six Sigma Orange Belt. (4.8 Credits)

This course provides application skills of Six Sigma Orange-Belt Certification.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=454>)

625-458. MSSC Maintenance Awareness. (3.2 Credits)

Maintenance Awareness is module 4 of the MSSC series and has content related to performing regular maintenance activities in the context of the production process including performing preventative maintenance and routine repair, monitor indicators to ensure correct operations, and recognize potential maintenance issues with basic production systems.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=458>)

625-460. Project Team Lead Training. (2.4 Credits)

This course indoctrinates the student to successfully prepare to lead a six sigma team project.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=460>)

625-489. Lean Six Sigma Yellow Belt. (2.4 Credits)

Explore basic Lean Six Sigma tools, including project selection and charting, metrics development, tools for DMAIC (defining, measuring, analyzing, implementing and controlling) process redesign, project team leadership and dashboarding. Gain the skills needed to lead Lean Six Sigma project teams.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=489>)

625-490. Project Management 12 Hr. (1.2 Credits)

Gain an introduction to project management using practical experience, tools and techniques. Learn how to create a systematic approach to initiate, plan, monitor, control and close out projects more effectively.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=490>)

625-491. Minitab Project Completion. (0.2 Credits)

Review how to run commonly used statistical data analysis exercises using Minitab to complete projects for certification. This course is intended for those with Six Sigma and Minitab experience.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=491>)

625-492. Supply Chain Management. (0.4 Credits)

Learn all about the design, planning, execution, control and monitoring of supply chain activities with the objective of creating net value, building a competitive infrastructure, leveraging worldwide logistics, synchronizing supply with demand and measuring performance.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=492>)

625-493. Supply Chain Mgmt - Advanced. (0.4 Credits)

Learn advanced-level principles and concepts of supply chain management, review the supply chain planning processes in detail, and discuss inventory management, procurement and logistics as they relate to the details of the supply chain process.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=625&num=493>)