

Course	Description	Offered Sessions
Blueprint Reading for Industry	This basic blueprint reading training program explains the importance of engineering drawings in manufacturing and thoroughly describes the generation and duplication of such drawings. http://www.theqcggroup.com/calendar/detail.php?id=11	1
Cause Mapping 1 – Effective Root Cause Analysis	This workshop provides valuable problem-solving skills that you can immediately apply within your organization. The Cause Mapping method is a simple, objective, evidence-based approach for breaking any issue into its cause-and-effect relationships so that everyone sees the same, accurate information.	2
Cost Estimating	This course covers the primary methods for cost estimation needed in systems development, including line item estimation, parametric estimation, level-of-effort, front- and rear-loaded estimation, and probabilistic loading http://www.atcourses.com/cost_estimating.htm	2
Engineering Systems Modeling with Excel/VBA	Engineering Analysis and Automation using Excel and VBA is the foundational component in a comprehensive sequence of hands-on courses that instruct participants in the use of spreadsheets to perform common and repetitive engineering tasks. Many engineers are knowledgeable in the application of spreadsheets to a myriad of engineering analysis tasks. However, frequently these individually-written spreadsheet models display deficiencies in well-structured development practices and lack consistent documentation and maintainability approaches. Additionally, very few engineers are conversant in the Visual Basic for Applications (VBA) language extension provided with all Microsoft Office products, which can dramatically enhance the capability, usability, and reliability of these tools. Engineers who take this hands-on course will see immediate benefits in their daily work, saving them and their companies countless man-hours through increasing productivity and establishing a consistent methodology for engineering analysis.	1
Geometric Dimensioning & Tolerancing Fundamentals	Starting with basic blueprint knowledge, students will learn the symbols, terminology and rules of Geometric Tolerancing http://www.tec-ease.com/fundamentals.php	1
Geometric Dimensioning and Tolerancing Applications	Advanced concepts on the application of profile and position as well as fixed and floating features will be discussed. Learn how to properly select datum features and allocate tolerances. Expand your knowledge of simultaneous requirements, composite tolerancing, profile tolerancing, robust design and boundary calculations. http://www.tec-ease.com/applications.php	1
Intro to Space Systems Engineering	Using a combination of lecture, interactive discussions and group exercises, the course presents a detailed review of 17 major systems engineering processes within three major categories: Design, Realization and Systems Engineering Management. A detailed end-to-end space system case study is used to translate theory to practice by illustrating detailed how-to examples for achieving and establishing each major technical baseline throughout the mission life cycle. http://www.tsti.net/page.asp?id=37&name=Applied%20Space%20Systems%20Engineering	2
Java	This course covers the essential elements of the Java programming language. It provides all the basic skills required to develop functionally sound and efficient Java applications. You will discover how to create classes and program with objects. You will handle exceptions and create threads to provide concurrency. Finally, you will use Java collections and the Swing library to complete your Java application.	2
MATLAB Fundamentals and Aerospace Applications	MATLAB Fundamentals is a two-day course that provides a comprehensive introduction to the MATLAB technical computing environment. This course is intended for beginning users and those looking for a review. No prior programming experience or knowledge of MATLAB is assumed, and the course is structured to allow thorough assimilation of ideas through hands-on examples and exercises. MATLAB competency is developed in a natural way, with an emphasis on practical application. Themes of data analysis, visualization, modeling, and programming are explored throughout the course.	1