



ESDW327 User Interface Design – Specifying the Programming

The purpose of this course is to explore the designer's role in user interface programming and to provide practical guidance for the user interface programming process. It addresses the procedures and documentation essential to top-quality user interfaces that are tailored to clients' differing needs and abilities. It identifies different usage levels and discusses how to address those different levels when programming an interface. It is expected that participants will already have a requisite knowledge of user interfaces.

Upon completion of this course, participants should be able to:

- Analyze the benefits of designers dictating programming
- Create standardized engineering documents for a user interface
- Develop a procedure and standardized documentation for testing and evaluating equipment to be controlled
- Assess the difference between designing for simple operation and designing for power use
- Create menu and function trees
- Establish techniques and timelines for user interface mock-up sign-offs
- Develop programming documentation
- Explain the role of standardized instructions in programming documentation

Recommended prerequisites: ESD111, ESD121, ESD211, EST206