ECSE 553. CRITICAL SYSTEMS.

Credits: 4

Offered by: Electrical & Computer Engr (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Design and assurance of critical software-intensive cyber-physical systems (CPSs). Core concepts, standard languages (SysML, Capella), techniques and tools of model-based systems used for designing such systems including: concepts like safety cases, traceability, viewpoints of system architecture or design space exploration. Safety assurance of software-intensive critical systems; design-time and run-time verification; and validation techniques. Research challenges for the safety assurance of systems driven by machine learning and other AI techniques.

- Prerequisite: ECSE 321

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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