

ENTE - ENGINEERING TEST AND EVALUATION

ENTE401 Development, Test & Evaluation, Verification & Validation (DTEVV) Fundamentals (3 Credits)

This course provides a basic understanding of the Development, Test & Evaluation, Verification & Validation (DTEVV) process used to produce new aviation systems. While the course will mainly focus on DTEVV of aviation platforms/systems, the basics taught can be applied to any domain. The course will provide students with: the history and development of DTEVV; basic DTEVV concepts and ways to approach DTEVV; issues relating to various forms of DTEVV (i.e.. Contractor, Government, Developmental, and Operational); common tools used in the test and evaluation community; the role of DTEVV during a systems lifecycle; and the engineering rigor that is applied to DTEVV to properly assess risk prior to fielding. This course will provide a solid foundation to join the DTEVV community upon completion.

Restriction: Permission from the ENTE Graduate Director.

Credit Only Granted for: ENTE401 or ENAE788F.

Formerly: ENAE788F .

Additional Information: Students must have prior coursework similar to the content offered in undergraduate courses ENAE432 or ENME361 along with enrollment in or completion of an engineering capstone course. Exceptions may be made on a case-by-case basis by the ENTE Graduate Director.