Fact Sheet – Enterprise Learning Engineering Center of Excellence

Mission

Air Education and Training Command (AETC) established the Enterprise Learning Engineering (ELE) Center of Excellence (CoE) 1 December 2024 to directly support development and delivery of Mission Ready Airmen and Guardians to Joint Force Commanders with the competencies needed to deter or defeat great power competitors.

The ELE CoE is dedicated to the systematic application of evidence-based principles, scientific methods and practices from the learning sciences, education research, and systems-thinking to produce effective, Airmen-centered learning outcomes and competency acquisition.

Features

As an advisor to the future ADC commander, and guided by the Chief Learning Officer, the ELE CoE director leads an interdisciplinary cross-functional team of approximately 23 full-time learning professionals, analysts, researchers, and military leaders employing a diverse set of educational and development skills and experiences.

The ELE CoE serves as the primary focal point to coordinate and/or execute sustained Airmen-centric development by leveraging and collaborating with associated Numbered Air Forces (NAF) Centers of Excellence (CoE), innovation communities, private industry, other agencies, and academic institutions.

The ELE CoE's three divisions—Human Performance, Learning Technology, and Learning Outreach—will operate through both standing and task teams focused on optimizing human performance, incorporating cutting edge technology, and strengthening collaboration with industry and academic partners.

ELE CoE Core Functions:
- Design experiments and field test learning technologies and methods
- Develop and integrate cross-functional and interdisciplinary learning and training tactics, techniques, and procedures (TTP)
- Lead faculty development and Scholarship of Teaching and Learning (SoTL) and Military SoTL activities
- Collaborate and learn with industry/academia/joint teams
- Support competency methodology and governance
- Determine capability gaps and science and technology interoperability
- Evaluate learning management system (LMS)/student information systems (SIS) for adherence to data standards and governance
- Manage, analyze, and integrate learning data
- Integrate evidence-based, human performance considerations into the learning ecosystem
- Host interdisciplinary focus groups

End State

The ELE CoE creates a culture of learning and competency-based learning evidenced by optimized systems for personnel, equipment, information, data, and communication networks guided by agile processes and procedures, to provide avenues to innovate and improve learning across the Air Force. The ADC Commander employs the ELE CoE to achieve more effective and efficient methods and systems to deliver education, training, and development of Airmen, Guardians, and faculty.

(Current as of 1 December 2024)