

EW Certificate Program

Students who complete these requirements will be exposed to:

- Current electro-optical and infrared (EO/IR) military systems
- Design and analysis of practical antenna types
- Circuits and devices used in microwave radar, communication and electronic warfare systems
- Sensors associated with weapons systems used by Army, Air Force, Navy, and Marines and joint coalition forces
- Engineering aspects of stealth
- State-of-the-Art digital signal processing techniques in radar and EW
- Platform-centric and network-centric radar electronic attack and protection capabilities

Three available EW Certificates:

Electronic Warfare Engineer Certificate

EC3600: Antennas and Propagation (3-2)
EC3630: Radiowave Propagation (3-2)
EC3700: Joint Network Enabled Electronic Warfare I (3-2)

Journeyman EW Engineer Certificate

EC3210: Introduction to Electro-Optical Engineering (4-1)
EC3610: Microwave Engineering (3-2)
EC4610: Radar Systems (3-2)

Senior EW Engineer Certificate

EC4630: Radar Cross Section Prediction and Reduction (3-2)
EC4640: Airborne Radar Systems (3-2)
EC4680: Joint Network Enabled Electronic Warfare II (3-2)

Who can enroll in this program?

- Government civilians, uniformed officers and DoD contractor employees with a technical background may apply.

The entrance requirements?

- Recent BSEE degree graduates with a 3.0 GPA or better.
- Recent graduates with a degree in a related field of science or engineering and appropriate on-the-job experience.
- It may be possible to provide transition education for those students not qualified for direct entry.

Contact Information

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