

# Sensors Program



Electronic Sensors with their vast range of types and applications are involved in every aspect of military grade equipment in surveillance, measurement, planning and warfare.

The Sensors program prepares the student for a closer approach to specialized topics in radar, optical/ thermal and underwater sensors. The in-depth studies consist of four courses beginning with the introductory course to provide a significant overview of the following specialized courses. The topics are technical in nature and cover existing and modern systems in use throughout the defense services and can advance personnel at different levels and functions. Passive and active sensors will be studied, with emphasis on active sensors in the Air and Ground and Naval operations.

## Courses

- [Introduction to Sensor Systems](#)
- [Radar Systems](#)
- [Underwater Acoustics](#)
- [Electro-Optic and Infrared \(EO – IR\) Sensor Systems](#)

## Benefits

- Expand your academic and professional technical depth and breadth
- Create new job opportunities within and outside of your organization
- Expand your professional network
- Create new business opportunities within DoD
- Designed for working professionals, this program affords the student an opportunity to earn a certificate in one year
- Taught by professional instructors with cutting-edge academic and workplace domain experience

## Who Should Attend?

- System project engineers and managers
- Hardware design engineers
- All personnel technically involved in Sensor systems for current or future implementation.

## Instructors

- Tony Babaian, P.E.
- Tony Genna, MS
- Ed Fields, PhD

## Program Schedule

This program will begin every Winter quarter. The courses must be taken in the order listed.

- [Introduction to Sensors](#)  
(offered every Winter)
- [Radar Systems](#)  
(offered every Spring)
- [Underwater Acoustics](#)  
(offered every Summer)
- [EO – IR Sensor Systems](#)  
(offered every Fall)

## How can you apply credit?

A certificate of completion will be earned when all the courses in this program are completed. All courses can be completed in a one-year period.

### For more information, contact:

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