

What is INCOSE?

INCOSE is the International Council on Systems Engineering. We are the leading global Systems Engineering organization with a network of over 70 chapters.

INCOSE is the place for accessing the value of Systems Engineering for organizations and individuals.

INCOSE produces state-of-the-art work products that further the Systems Engineering discipline, leading to improvements in productivity and effectiveness.

Vision & Mission

A better world through a systems approach

To address complex societal and technical challenges by enabling, promoting, and advancing Systems Engineering and systems approaches.

Being certified as an ESEP by INCOSE has been one of the most valuable investments I have made for the development and progress of my career. I was the first to achieve this certification in IBM so it instantly marked me as someone with a proven background and knowledge of systems engineering. Years later, I find that my ESEP certification is an important qualification for new opportunities, as it documents 25 years' experience across multiple knowledge and domain areas within systems engineering and serves as an independent verification of my experience. In fact, ESEP was listed as a preferred qualification for my current position in Raytheon.

I like to say it takes two things to become certified. First, it takes being qualified, and second it takes doing the work to get the certification. There are probably many systems engineers qualified to be an ESEP, but relatively few who are willing to do what it takes to get the certification. Though it takes a little work to gain the certification, in my opinion it's a very worthwhile investment in your profession and your career. Along with a PhD in systems engineering, I consider ESEP to be my most important and valuable qualification.

Barclay R. Brown, Ph.D., ESEP
Engineering Fellow
Raytheon Company



CERTIFICATION



Multi-Level Credentials

The ASEP, CSEP, and ESEP credentials cover the breadth of systems engineering at increasing levels of leadership, proficiency and experience.

INCOSE.ORG/CERTIFICATION

The INCOSE Certification Program for Systems Engineering Professionals

The International Council on Systems Engineering (INCOSE) is a professional society with individual members around the globe. INCOSE has local chapters throughout the US and holds two major events each year: the International Symposium in July and the International Workshop held annually in late January. A major objective of INCOSE is to promote systems engineering knowledge, and one way of doing this is through the INCOSE Certification Program.



The **Associate Systems Engineering Professional (ASEP)** recognizes individuals as knowledgeable but without demonstrated SE experience. The qualification for the ASEP is possession of SE knowledge typical of a junior systems engineer, as evidenced by passing the knowledge exam.



The **Certified Systems Engineering Professional (CSEP)** recognizes systems engineering practitioners who have demonstrated knowledge and experience in many aspects of the discipline. The qualifications for this level include education, SE knowledge, and SE experience that serve various job profiles of an experienced, all-round systems engineer.



The **Expert Systems Engineering Professional (ESEP)** certification is for those system engineers who have distinguished themselves by demonstrating both substantial experience and technical leadership. The ESEP has a broader and deeper experience in performing and leading systems engineering than the CSEP. The ESEP has at least twenty years of systems engineering experience and is the person others seek with specific, challenging, technical questions. He or she is not an expert in all aspects of systems engineering but is the expert for some aspects of SE and could perform well in many.

OVER 100 CORPORATE MEMBERS

70+ GLOBAL CHAPTERS

16,000+ MEMBERS

Why get certified?

CERTIFICATION VALUE TO YOU AS A SYSTEMS ENGINEER

- Formally recognizes your Systems Engineering capabilities
- Serves as a discriminator that can aid in obtaining your next job
- Can provide a competitive advantage in your career
- Provides a portable Systems Engineering designation that is recognized across industry
- Furthers your professional development as a systems engineer
- Demonstrates your commitment to continuing professional development
- Participation in continuing education indicates your commitment to personal development

CERTIFICATION VALUE TO YOUR ORGANIZATION

- Formally recognizes the Systems Engineering capabilities of your people
- Certified systems engineers serves as a selling point and a discriminator for your proposals
- Clarifies definition of systems engineering in the hiring process
- Encourages employee participation in continuing education
- Provides an independent internal and external assessment
- Promotes professional competence