

# INCOSE Certification Program

April 9, 2020



# Introduction

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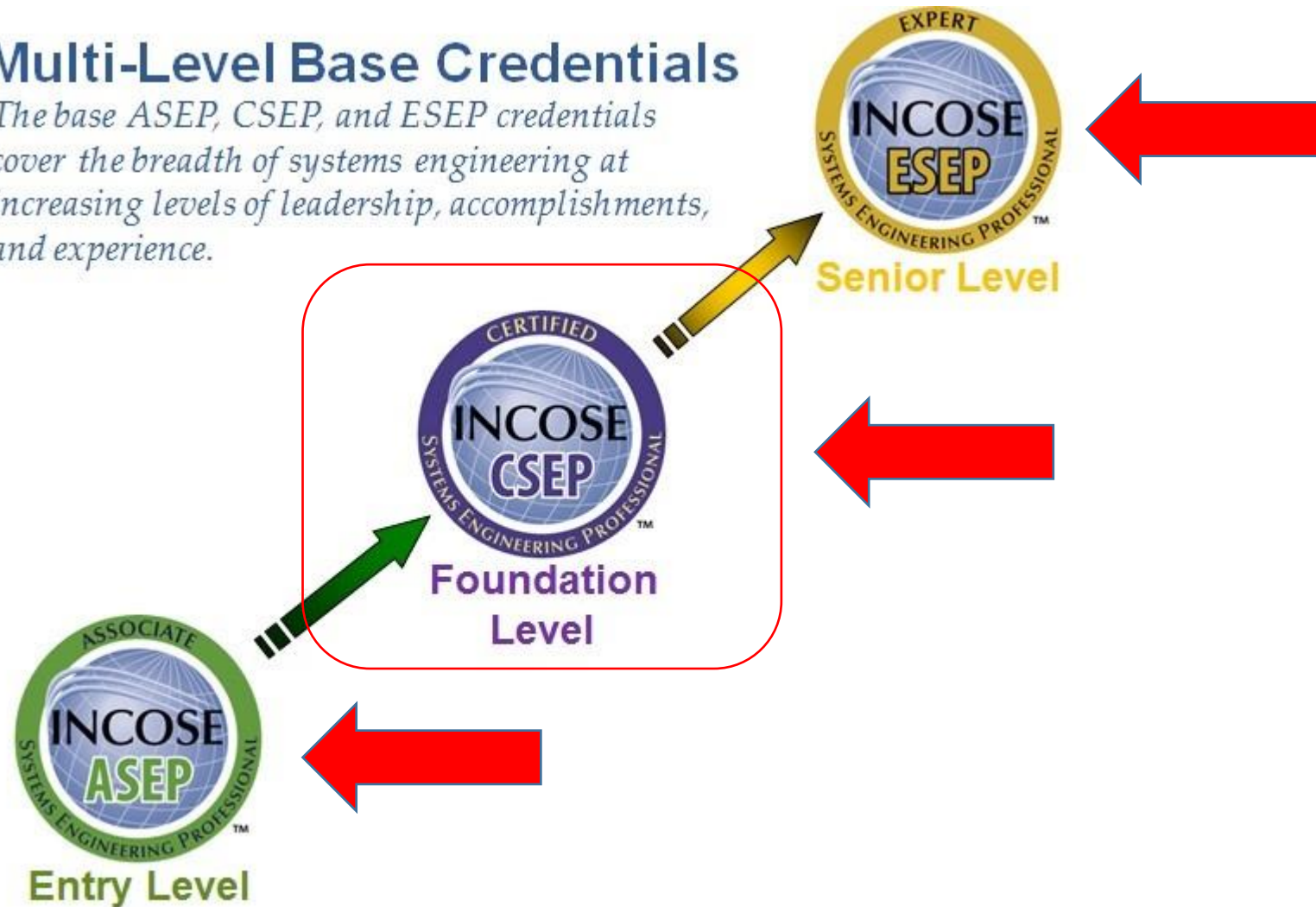
# Why get an INCOSE certification?

- You are working as a systems engineer?
  - Experience – Work in your chosen field
  - Education – Go to school
  - Mentorship – Learn from good people
  - Involvement – Join industry organization, attend seminars/conferences
  - Performance – Do great work and stand out
- **Now, become certified.**
  - **Formal recognition of your talents and expertise**
  - **Increased respect from peers and companies**
  - **Exclusive access to special INCOSE events**
  - **Certificate to display**
  - **Lapel pin to wear**




# INCOSE Certification Program

## Multi-Level Base Credentials

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



# Which certification is right for you?\*

Level	Leadership	Experience	Education	References	Exam
	None Required	None Required	None Required	None Required	Same Exam as CSEP
	None Required	Minimum 5 years SE experience ( <a href="#">see SEfunction area list below</a> )	Technical Degree (can be augmented with additional years of experience without a technical degree)	3 references (cumulative coverage of the years of experience)	CSEP exam based on INCOSE SE Handbook
	Accomplished and recognized leader in systems engineering	Minimum 25 years (20 if CSEP) SE experience ( <a href="#">see SEfunction area list below</a> ) Minimum 5 years of professional development credit	Technical Degree (can be augmented with additional years of experience without a technical degree)	3 references (cumulative coverage of at least the most recent 10 years of experience) Support panel review, if required	No examination, panel review

\*INCOSE Membership is required.

# Who is currently certified?



Aaron Borden  
Laura Birkhold  
Timothy Coda  
Amy Garcia  
Richard Martin  
John McCrea  
Kelli Succo  
Brianna Whiteleather

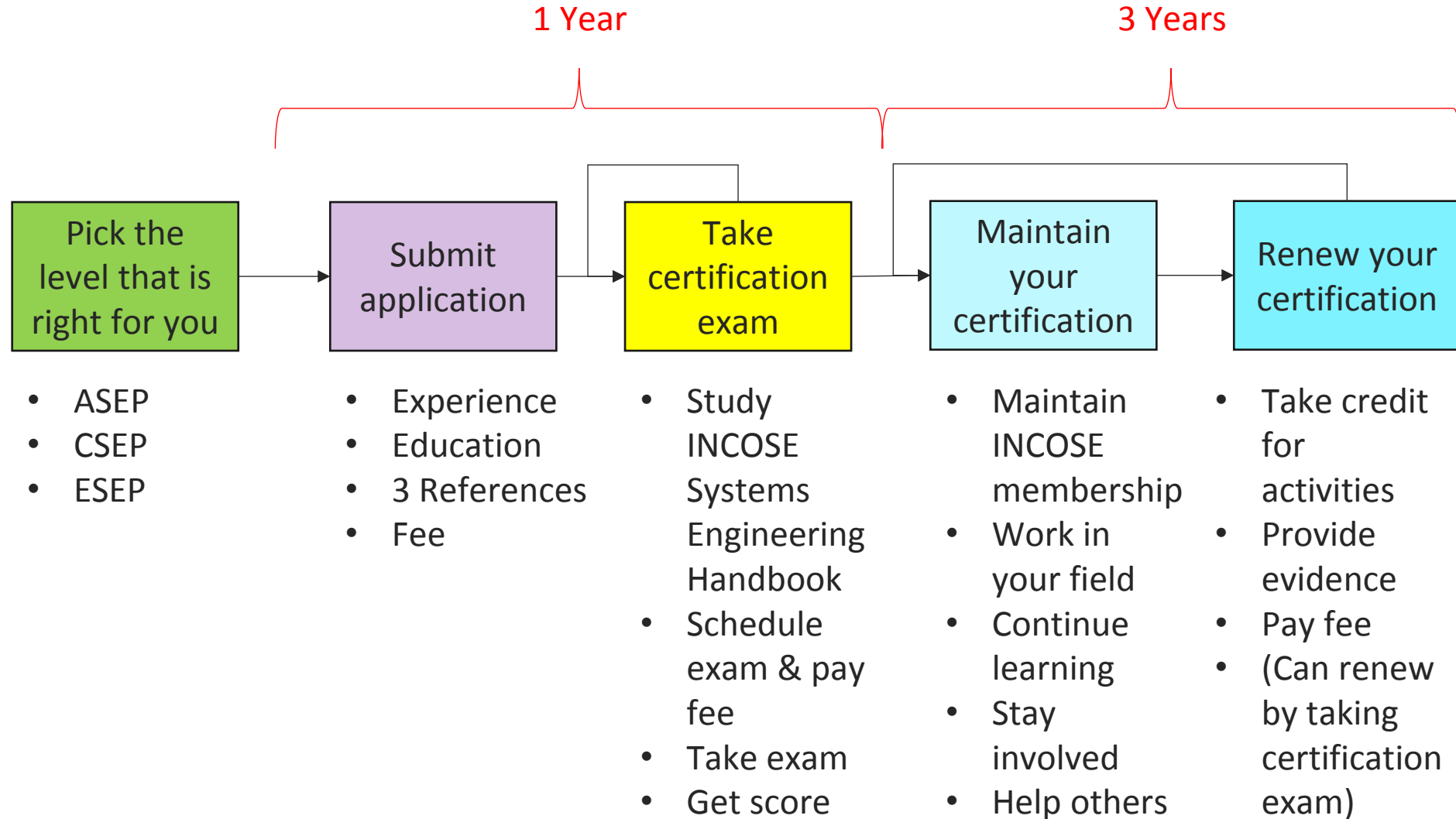


William Beardon  
Derek Boddy  
Angie Harbert  
John Metcalf  
Paul Nelson  
David Shook  
David Vickery  
Paul White



Vincent Johnston

# The Process



# Systems Engineering Professional (SEP) Exam

- Source material is INCOSE Systems Engineering Handbook
- Closed book (Scratch paper allowed—must turn in)
- Given at a Prometrics testing center (6,000 locations worldwide)
- 2 Hours
- 120 Questions
- Multiple choice
  - Most have one answer
  - 40% have more than one answer (e.g., select 2, select 3)
  - No partial credit
- Receive your score right away (Pass or Fail)



# Systems Engineering Professional (SEP) Exam

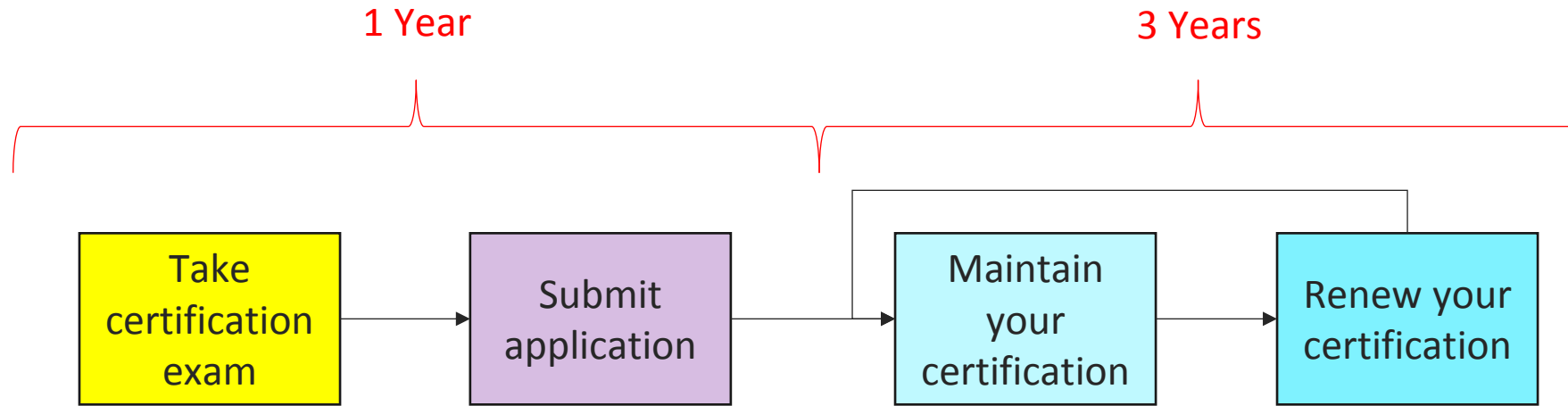
Training is available.



Study groups can be arranged.

INCOSE Wasatch Chapter will support you.

# An Alternate Process



- Beta version
- Paper-based
- Receive score a few weeks later
- **NO FEE!**

- Still must pay application fee

# Remaining Certified

Certification Level	Renewal Requirements
ASEP	120 PDU Every Five (5) Years Must maintain INCOSE individual, senior, or student membership and transition to CSEP within 15 years
CSEP	120 PDU Every Three (3) Years Must maintain INCOSE individual, senior, or student membership if certified after 31 December 2015
ESEP	No renewal required, but must maintain INCOSE individual, senior, or student membership

**PDU = Professional Development Unit**

## Example

- Serve as lead systems engineer (15 PDUs / yr \* 3 yrs) = 45 PDUs
- Be an INCOSE member (5 PDUs / yr \* 3 yrs) = 15 PDUs
- Attend INCOSE meetings (1 PDU/hr \* 12 mtgs \* 3 yrs) = 30 PDUs (maximum allowed)
- Volunteer activities (1 PDU/hr \* 10 hr/yr \* 3 yrs) = 30 PDUs
- **120 Total PDUs!**

# How much does certification cost?

	Certification Name	Application Fee	Examination Fee	Renewal Fee (and Period)
Associate Systems Engineering Professional	ASEP	150 USD Through 31 July 2020  180 USD Starting 1 August 2020	<u>Computer Exam</u> US: 80 USD Japan: 165 USD Other countries: 120 USD  <u>Paper Exam</u> Fee varies	100 USD (every 5 years)
Transition	ASEP to CSEP	200 USD	no exam required	n/a
Certified Systems Engineering Professional	CSEP	300 USD Through 31 July 2020  350 USD Starting 1 August 2020	<u>Computer Exam</u> US: 80 USD Japan: 165 USD Other countries: 120 USD  <u>Paper Exam</u> Fee varies	150 USD non-members* 100 USD INCOSE members 100 USD CAB Employees (if certified prior to 1 January 2016) (every 3 years)
Expert Systems Engineering Professional	ESEP	550 USD Through 31 July 2020  630 USD Starting 1 August 2020	No exam required	No renewal required

# SEP Beta Exam status

~~May 2020 at Weber State University~~

**Postponed until further notice**

<https://www.incose.org/systems-engineering-certification/certification-exams#Paper%20Exam%20Events>

# Additional Resources

- INCOSE Website: [www.incose.org](http://www.incose.org)
- INCOSE Wasatch Chapter Website: [www.incose.org/wasatch](http://www.incose.org/wasatch)
- INCOSE Certification Website: <http://www.incose.org/certification>