

The Society of Cost Estimating and Analysis

SCEA CCEA Program and Exam Preparation

September 2010

Peter Andrejev, Director of Certification



Certification Program Objectives

- Establish competency standards recognized by government and private industry alike
- Provide proficiency measures against which practitioners can be tested and certified
- Practitioners must:
 - Attain a minimum level of proficiency through training and real-world experience
 - Demonstrate competency through recognizable testing standards

Train

SCEA	CEBOK and Conferences	ISPA Handbook
GOVT	Handbooks, Guidance & OJT	Handbooks
Academic	Courses and Seminars	Text Books and Publications
Commercial	Handbooks, Guidance & Training	Training Courses

Attain

Certified Cost Estimator/Analyst (CCEA)

Part I (PCEA)
Professional Cost Estimator/Analyst
 Bachelors Degree and 2 years experience (or 5 yrs without degree)

Part II
 Bachelors Degree and 5 years experience (or 8 yrs without degree)

Foundational Knowledge

Practical Application

Advanced Analysis

Case Study

Proposed Optional Specialty Certifications

Parametrics

Risk

Software

Defense

Sustain

Recertification Program



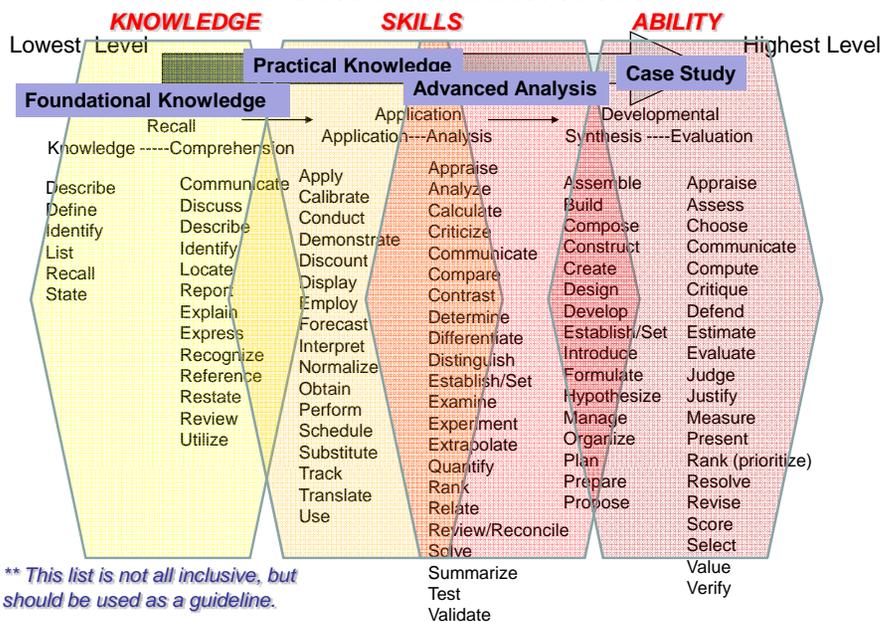
The Society of Cost Estimating and Analysis

Body of Knowledge Standards

**Testable Topics
identified in
Certification Handbook
and SCEA Website**

COST ESTIMATING BASICS	CCEA			
	Part I or PCEA		Part II	
	Foundational Knowledge	Practical Application	Advanced Analysis	Case Study
Applications of Cost Estimating	X			
Budgeting, Investment, and Planning	X			
Analysis of Alternatives (AoA)	X			
Economic Analysis	X			
Cost Benefits Analysis	X			
Business Case Analysis	X			

Verbs for each level



**Knowledge, Skills, Ability
progressively tested through
multi-part examination**

*** This list is not all inclusive, but should be used as a guideline.*

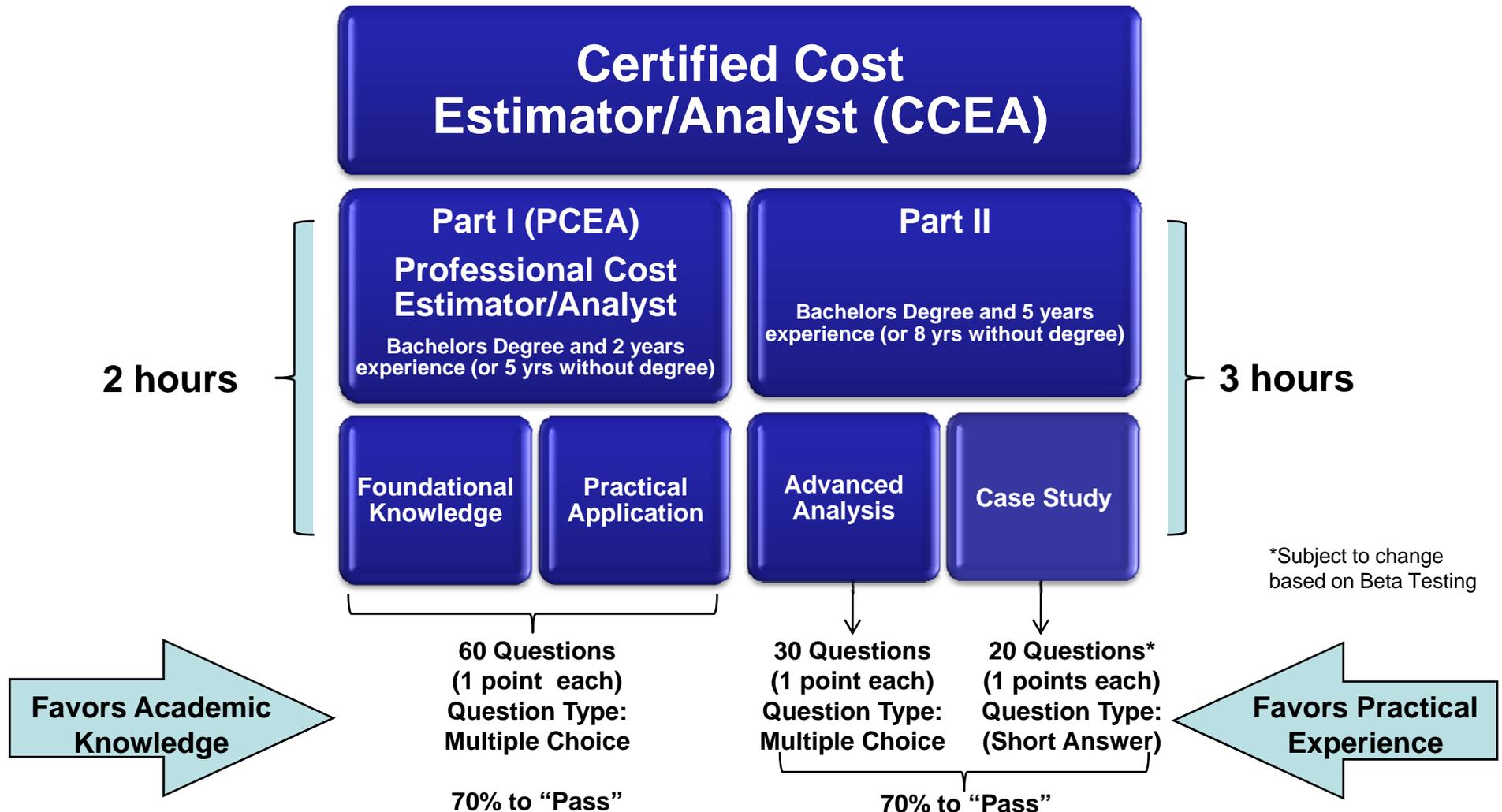


Study and Training Resources

- CCEA Exam and the Cost Estimating Body of Knowledge (CEBoK) were developed independently, but based on the common Testable Topics List. Consequently, CEBOK:
 - Is useful when preparing for CCEA examination
 - Can be used as a comprehensive desk-side reference
- Other training tools are highly encouraged, e.g.,
 - DAU courses, commercial courses/products, textbooks, etc.
 - SCEA website for the CCEA Examination Preparation Handbook and alternative training resources
 - SCEA/ISPA Joint National Training Workshop
 - Local study groups and Chapter training programs

- 110 question exam given in 5 hours
- Divided into 2 parts

Certification Exam



Attain



Exam Question Distribution

CEBoK Module # and Topic	Number of Questions on Examination		
	Part I (PCEA)	Part II	Total
1 Cost Estimating Basics	3 to 8	0 to 6	6 to 12
2 Costing Techniques	3 to 8	0 to 6	6 to 12
3 Parametric Estimating	3 to 8	0 to 6	6 to 12
4 Data Collection and Normalization	3 to 8	0 to 6	6 to 12
5 Index/Inflation	3 to 8	0 to 6	6 to 12
6 Basic Data Analysis Principles	3 to 8	0 to 6	6 to 12
7 Learning Curve	3 to 8	0 to 6	6 to 12
8 Regression Analysis	3 to 8	0 to 6	6 to 12
9 Cost Risk Analysis	3 to 8	0 to 6	6 to 12
10 Probability and Statistics	3 to 8	0 to 6	6 to 12
11 Manufacturing Cost Estimating	3 to 8	0 to 6	6 to 12
12 Software Cost Estimating	3 to 8	0 to 6	6 to 12
13 Economic Analysis	3 to 8	0 to 6	6 to 12
14 Contract Pricing	3 to 8	0 to 6	6 to 12
15 Earned Value Systems	3 to 8	0 to 6	6 to 12
16 Cost Management	3 to 8	0 to 6	6 to 12
TOTAL	65	65	130

The exam question distribution will evenly cover each module throughout the exam.

Every exam version will have its own unique distribution.

Therefore, it will be important to study each module equally.



Recertification Process

- The CCEA designation has a five-year duration
 - Re-take the CCEA Examination
 - Re-certify through proficiency activities
- Accumulate Recertification Points through
 - Work experience
 - Cost community participation
 - Continued learning and/or knowledge sharing
- Automated Recertification Points process
- See SCEA Website for more information

Contact Information

For questions pertaining to the Certification Program and the PCEA or CCEA exams, please refer to the SCEA website at:

<http://www.sceaonline.org/>

Or contact us directly:

SCEA/ISPA Joint Office
527 Maple Avenue East,
Suite 301,
Vienna, VA 22180

Email: scea@sceaonline.org

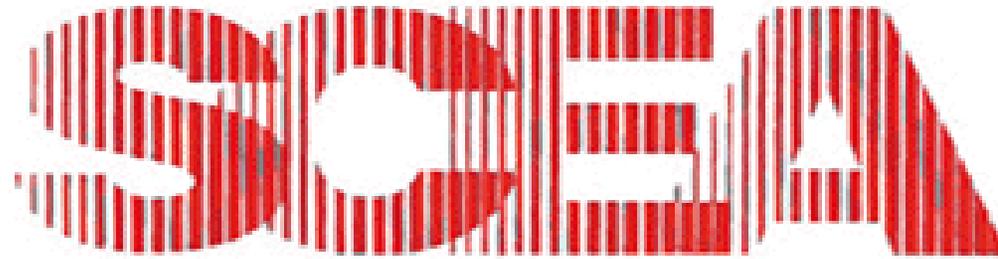
Phone: 703-938-5090

Fax: 703-938-5091

Office hours: 8:30am -5:00pm ET, Monday to Friday

Train, Attain, Sustain





The Society of Cost Estimating and Analysis

...Certification Matters!

Any Questions?

