Back to Basics (BtB) Business – Cost Estimating Certification Update

2022 CADE Focus Group

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Back to Basics (BtB) Overview

Defense Acquisition University (DAU) implemented Back to Basics (BtB) effective 01 Feb 2022 (https://www.dau.edu/back-to-basics)

Business - Cost Estimating "Core Certification"

- Three-level Certification is now two levels: Practitioner and Advanced
- Three CADE courses are now part of the DAU curriculum
- All courses have been deployed by DAU

Business – Cost Estimating "Credentials"

- DAU has started work towards deploying courses for BUS-CE credentials
- DAU has prioritized releasing courses for the following credentials: Software Cost Estimating, Application and Implementation of Operations and Support Cost
- DAU continues to offer Continuous Learning online courses for the cost estimating functional area

Cost Community POCs

- Mr. Tom Henry (SES), OSD CAPE
- Mr. Colin Stratakes, OSD CAPE

Prior BUS-CE Certification Framework

Level I Certification: 5 total days in classroom, 115 total course hours

- ACQ 101: Fundamentals of Systems Acquisition (12 hours online)
- EVM 101: Fundamentals of Earned Value Management (19 hours online)
- BCF 110: Fundamentals of Business Financial Management (13 hours online)
- BCF 130: Fundamentals of Cost Analysis (11 hours online)
- BCF 132: Applied Cost Analysis (5 days in classroom)
- CLB 035: Statistical Analysis
- CLB 042: Cost Risk and Uncertainty
- CLM 013: Work-Breakdown Structure

Level II Certification: 31.5 total days in classroom, 217 total course hours

- ACQ 202: Intermediate Systems Acquisition, Part A (19 hours online)
- ACQ 203: Intermediate Systems Acquisition, Part B (4 days in classroom)
- BCF 206: Cost/Risk Analysis (3.5 days in classroom)
- BCF 216: Applied Operating and Support Cost Analysis (4.5 days in classroom)
- BCF 221: Intermediate Financial Management Concepts (9 hours online)
- BCF 225: Acquisition Business Management Application (5 days in classroom)
- BCF 230: Intermediate Cost Analysis (9.5 days in classroom)
- BCF 250: Applied Software Cost Estimating (5 days in classroom)
- CLB 026: Forecasting Techniques
- CLE 076: Introduction to Agile Software Acquisition

Level III Certification: 5 days in classroom, 40 total course hours

- BCF 331: Advanced Concepts in Cost Analysis (5 days in classroom)

362 Total Course hours required to be fully certified under previous BUS CE Certification framework

BtB BUS-CE Certification Framework

Practitioner Certification: 5 total days in classroom, 131.5 total course hours

- ACQ 1010: Fundamentals of Systems Acquisition Management (13 hours online)
- BUS 1100: Business Essentials (15 hours online)
- BCE 1000: Fundamentals of Cost Estimating (57 hours online)
- BCE 2000V: Intermediate Cost Estimating (32 hours online + 4 days virtual)
- BCE 0010: Cost Modeling (4 hours online)
- Flex Files (8 hours online)
- CADE 101 (2.5 hours online)

Advanced Certification: 5 total days in classroom, 32.5 total course hours

- BCE 3000: Advanced Cost Estimating (5 days in classroom)
- CADE 201 (2.5 hours online)

164 Total Course hours required to be fully certified under BtB BUS CE Certification framework – about 89% decrease in classroom time and 55% decrease in total required course hours

FlexFile 101, CADE 101, and 201 Overview

FlexFile 101 –Fundamentals of the FlexFile

- How was the Cost and Hour Report "FlexFile" initiative was derived? What does the FlexFile DID requirements entail? What is the current FlexFile implementation plan?
- Provides hands-on exploration of a FlexFile data set, how to use tools to make it more manageable

CADE 101: Fundamentals of CADE

- Purpose of Cost and Software Data Reporting (CSDR) and basic types of data contained in CSDRs
- Policy and guidance documents for CSDR across all Acquisition Pathways
- Responsibilities and actions required to navigate the CADE Portal to conduct an analysis of programmatic, cost, schedule, and software data for a program

CADE 201: CADE Intermediate

- CSDR Planning: Learn how to use the latest DD Form 2794 to plan effectively, about Plan Standards, and tailoring reporting requirements to your program for maximum efficiency
- CSDR Implementation: Learn how to use the Resource Distribution Table (RDT), how to use the Post-Award Conference (PAC) to establish consensus to reduce submission rework and delays
- CADE Data Access: Learn how to use Browse CSDR Submissions, and practice with all four FlexFile download options
- FlexFile Insights and Updates: Conduct hands-on analysis of sample FlexFile data to review data with time phasing, account-level detail, and contractor functional categories.

Back to Basics – Practitioner Certification

Core Certification Standards (required for DAWIA certification)	
Education	Operations Research degree required or 24 semester hours in combination of operations research, mathematics, probability, statistics, mathematical logic, science, or subject-matter courses requiring substantial competency in college-level mathematics or statistics. At least 3 of the 24 semester hours must have been in calculus.
Training	● **ACQ 1010** Fundamentals of Systems Acquisition Management ● **BUS 1100** Business Essentials ● **BCE 1000** Fundamentals of Cost Estimating ● **BCE 0010** Introduction to Cost Modeling ● **BCE 1700** Cost Assessment Data Enterprise (CADE) 101 ● **BCE 1710** FlexFiles 101 ● **BCE 2000V** Intermediate Cost Estimating
Experience	At least 4 years of acquisition experience in cost estimating and serving a program office, PEO, Service/Defense agency level, or supporting a program that reports to a Service Acquisition Executive (SAE)
Assessment	None required
Certification Currency	80 hours Continuous Learning (CL) every 2 years – with an acquisition and/or leadership focus. CL guidelines: >50 hours of course work pertaining to Acquisition, >20 hours of leadership training

https://icatalog.dau.edu/onlinecatalog/CareerCertGuides.aspx?lvl=2&cfld=17

Back to Basics – Advanced Certification

Core Certification Standards (required for DAWIA certification)	
Education	Operations Research degree required or 24 semester hours in combination of operations research, mathematics, probability, statistics, mathematical logic, science, or subject-matter courses requiring substantial competency in college-level mathematics or statistics. At least 3 of the 24 semester hours must have been in calculus.
Training	● **BCE 2500** Cost Assessment Data Enterprise (CADE) 201 ● **BCE 3000** Advanced Cost Estimating **(R)**
Experience	At least 6 years of acquisition experience in cost estimating and serving a program office, PEO, Service/Defense agency level, or supporting a program that reports to a Service Acquisition Executive (SAE)
Assessment	None required
Certification Currency	80 hours Continuous Learning (CL) every 2 years – with an acquisition and/or leadership focus. CL guidelines: >50 hours of course work pertaining to Acquisition, >20 hours of leadership training

https://icatalog.dau.edu/onlinecatalog/CareerCertGuides.aspx?lvl=3&cfld=17