DAU Foundational Learning Directorate
Business Center

Training & Educational Tools

Status for August 13, 2019
We are part of the community, not just a place to take classes.
Courses…and so much more

**Foundational Learning**
- Classroom Courses
- Online Courses
- Gain Acquisition Knowledge and Skills
  Courses to help you meet certification and continuous learning requirements

**Workflow Learning**
- Knowledge Sharing
- Job Support Tools
- Find Acquisition Resources to Help You on the Job
  Online information and tools to help you be more effective in doing everyday tasks at work

**Performance Learning**
- Mission Assistance
- Workshops
- Receive Assistance Tailored to Your Organization’s Needs
  Consulting, executive coaching, and customized workshops, all tailored to your organization
DAU’s iCatalog: Your Course Resource

• Most current resource for information about DAU courses and the Certification & Core Plus Development Guides
• Accessible from the DAU home page (http://www.dau.mil) or directly at http://icatalog.dau.mil/
We Help You Earn “CL” Points
Accreditation of DAU Learning Assets

Council on Occupational Education*

American Council on Education

International Association for Continuing Education & Training**

Six Year Reaffirmation of Accreditation, Three Commendations

College Credit Recommendations for Training Courses

Continuing Education Units Awarded for Training Courses

*Defense Acquisition University is accredited by the Commission of the Council on Occupational Education.

**Defense Acquisition University is accredited as by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
Helping Your People Earn Their Degrees

DAU partners with more than 150 colleges & universities to obtain credit for DAU courses toward degrees and certificates

“Excel-erate” Your Master’s Degree…
Through this program, partner universities are offering the Defense Acquisition Workforce credit toward masters degrees for DAWIA Level II and III certification.

Impact: Saves time, tuition assistance dollars and out of pocket expenses
DAU Strategic Partnership Program

• **Strategic Partnership Program** - While each partnership is unique, the objective of the partnership program is to provide opportunities to maximize academic accomplishments by receiving credit for DAU courses toward an undergraduate, graduate, or certificate program offered by a strategic partner.

  – BCF 206 Cost Risk Analysis – 2 Credits
  – BCF 225 Acquisition Business Management Application – 2 Credits
  – BCF 230 Intermediate Cost Analysis – 3 Credits
  – BCF 250 Applied Software Cost Estimating – 3 Credits
Executive Coaching

- Helps Senior Leaders achieve their Extraordinary Futures

Workshops
- Services Acquisition Workshops
- Acquisition Program Transition Workshops
- Program Termination Workshops
- Systems Engineering Plan Workshops
- Risk Management Workshops
- Technology Transition Workshops
- Source Selection Simulation

Consulting
- MDAPs/non-MDAPs
- Identifies problems
- Uses multiple data collection methods
- Intensive analyses
- Actionable results

How We Can Help Your Organization

Short, hands-on training for your teams

Applied critical thinking for your program or organization

Customized for your program

Sets your program up for success

Individual leadership development

Defence Acquisition Executive Overview Workshop (DAEOW)
- Focused on high-level interest areas
- “Quick learn” venue
- Tailorable
- One-on-one

http://www.dau.mil/ma
## AWF BY COMPONENT AND CAREER FIELD

![Pie Chart](chart.png)

### FY 2019 Q2

<table>
<thead>
<tr>
<th>Component/Career Field</th>
<th>Army</th>
<th>Navy</th>
<th>Marine Corps</th>
<th>Air Force</th>
<th>4th Estate</th>
<th>Totals</th>
<th>% Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auditing</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,082</td>
<td>4,082</td>
<td>2.3%</td>
</tr>
<tr>
<td>Business - CE</td>
<td>254</td>
<td>555</td>
<td>35</td>
<td>517</td>
<td>92</td>
<td>1,453</td>
<td>0.8%</td>
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<tr>
<td>Business - FM</td>
<td>1,775</td>
<td>2,194</td>
<td>179</td>
<td>2,218</td>
<td>604</td>
<td>6,970</td>
<td>4.0%</td>
</tr>
<tr>
<td>Contracting</td>
<td>8,045</td>
<td>6,250</td>
<td>538</td>
<td>8,170</td>
<td>8,205</td>
<td>31,208</td>
<td>17.9%</td>
</tr>
<tr>
<td>Engineering</td>
<td>9,094</td>
<td>23,608</td>
<td>325</td>
<td>9,652</td>
<td>2,146</td>
<td>44,825</td>
<td>25.7%</td>
</tr>
<tr>
<td>Facilities Engineering</td>
<td>5,954</td>
<td>5,871</td>
<td>32</td>
<td>701</td>
<td>95</td>
<td>12,653</td>
<td>7.2%</td>
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<tr>
<td>Information Technology</td>
<td>1,860</td>
<td>3,477</td>
<td>126</td>
<td>1,423</td>
<td>1,071</td>
<td>8,056</td>
<td>4.6%</td>
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<tr>
<td>Life Cycle Logistics</td>
<td>6,941</td>
<td>6,451</td>
<td>705</td>
<td>3,762</td>
<td>3,435</td>
<td>21,294</td>
<td>12.2%</td>
</tr>
<tr>
<td>Production, Quality and Man</td>
<td>1,368</td>
<td>3,804</td>
<td>43</td>
<td>472</td>
<td>5,553</td>
<td>11,740</td>
<td>6.4%</td>
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<tr>
<td>Program Management</td>
<td>3,334</td>
<td>5,780</td>
<td>761</td>
<td>6,417</td>
<td>1,906</td>
<td>18,198</td>
<td>10.4%</td>
</tr>
<tr>
<td>Property</td>
<td>50</td>
<td>71</td>
<td>-</td>
<td>14</td>
<td>277</td>
<td>412</td>
<td>0.2%</td>
</tr>
<tr>
<td>Purchasing</td>
<td>273</td>
<td>373</td>
<td>37</td>
<td>47</td>
<td>474</td>
<td>1,204</td>
<td>0.7%</td>
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<tr>
<td>S&amp;IT Manager</td>
<td>489</td>
<td>518</td>
<td>4</td>
<td>2,854</td>
<td>135</td>
<td>4,000</td>
<td>2.3%</td>
</tr>
<tr>
<td>Test and Evaluation</td>
<td>1,930</td>
<td>3,292</td>
<td>142</td>
<td>3,265</td>
<td>354</td>
<td>8,983</td>
<td>5.1%</td>
</tr>
<tr>
<td>Unknown/Other</td>
<td>7</td>
<td>2</td>
<td>1</td>
<td>-</td>
<td>8</td>
<td>18</td>
<td>0.01%</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>41,374</td>
<td>62,246</td>
<td>3,028</td>
<td>39,511</td>
<td>28,437</td>
<td>174,596</td>
<td></td>
</tr>
<tr>
<td><strong>Component %</strong></td>
<td>23.7%</td>
<td>35.7%</td>
<td>1.7%</td>
<td>22.6%</td>
<td>16.3%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data Source: A&S DataMart as of 31 Mar 2019
Annual Historic Workforce Size

Overall AWF Total

- FY08: Total 125,879
  - Military 14,945
  - Civilian 110,934

- FY10: Total 147,705
  - Military 14,884
  - Civilian 132,821

- FY12: Total 152,326
  - Military 15,612
  - Civilian 136,714

- FY14: Total 150,465
  - Military 15,657
  - Civilian 134,808

- FY16: Total 161,469
  - Military 15,481
  - Civilian 145,988

- FY18: Total 172,736
  - Military 15,532
  - Civilian 157,318

- FY19Q1: Total 173,599
  - Military 15,674
  - Civilian 158,067

- FY19Q2: Total 174,596
  - Military 15,674
  - Civilian 158,922

A&S DataMart (as of 31 Mar 2019)
TOTAL HISTORIC WORKFORCE

Data Source: A&S DataMart as of 31 Mar 2019
Business - CE

Data Source: A&S DataMart as of 31 Mar 2019
# FY19 Training - Cost Estimating

## Level I Certification (Knowledge Based)
- **ACQ 101** Fundamentals of Systems Acquisition Management
  - 30 hours, online
- **EVM 101** Fundamentals of Earned Value Management
  - 19 hours, online
- **BCF 110** Fundamentals of Business Financial Management
  - 23 hours, online
- **BCF 130** Fundamentals of Cost Analysis
  - 22 hours, online
- **BCF 131** Applied Cost Analysis
  - 10 days classroom
- **CLB 035** Statistical Analysis
  - 3 hours, online
- **CLB 042** Cost Risk and Uncertainty Analysis
  - 8 hours, online
- **CLM 013** Work-Breakdown Structure
  - 6 hours, online

## Level II Certification (Case/Scenario Based)
- **ACQ 202** Intermediate Systems Acquisition, Part A
  - 34 hours, online
- **ACQ 203** Intermediate Systems Acquisition, Part B
  - 5 days classroom
- **BCF 230** Intermediate Cost Analysis
  - 9.5 days classroom
- **BCF 206** Cost Risk Analysis
  - 3.5 days classroom
- **BCF 216** Applied Operating and Support Cost Analysis
  - 4.5 days classroom
- **BCF 221** Intermediate Financial Management Concepts
  - 30 hours, online
- **BCF 225** Acquisition Business Management Application
  - 5 days classroom
- **BCF 250** Applied Software Cost Estimating
  - 4.5 days classroom
- **CLB 026** Forecasting Techniques
  - 2 hours, online
- **CLE 076** Introduction to Agile Software Acquisition
  - 5 days classroom

## Level III Certification (Case/Scenario Based)
- **BCF 330** Advanced Concepts in Cost Analysis
  - 5 days classroom

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<table>
<thead>
<tr>
<th>Years of Acquisition Experience in CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Years of Acquisition Experience in CE</td>
</tr>
<tr>
<td>4 Years of Acquisition Experience in CE</td>
</tr>
<tr>
<td>6 Years of Acquisition Experience 5 in CE</td>
</tr>
</tbody>
</table>
BCF 132 Update

• Course extended to two weeks to provide more in-depth coverage of topics.

• Incorporated continuing exercise using to focus on application of cost estimating tools over the life of a system.

• Course incorporates more “hands-on” exercises where students go into databases (CADE; JIAT; DAMIR) and pull data.

• Emphasis placed on data analysis during the course – students.
BCF 216/216V Update

• Created a virtual version of the course to facilitate delivery of the course online.

• First two lessons expound on coverage of context for O&S conversation.

• Emphasis placed on importance of consideration of O&S early in the acquisition life cycle and affordability.

• More emphasis on examining databases (VAMOSC, OSCAM, SAR, JIAT, etc.).

• Students have more exercises and “hands-on” activities (especially with information from databases)
BCF 331 Update

• Reduced to One Week

• Redesigned – Less platform instructor lead more student/group facilitated discussions

• Students will participate in a continuing case study in the role of a senior cost estimator to successfully guide a hypothetical cost team through a milestone review cost estimate.

• Case study involves making difficult but realistic judgement calls often faced by people in those positions. Emphasis is placed on critical thinking, analytical decision making and leadership.
New Continuous Learning Module
Coming Soon

Federally Funded Research and Development Centers
(FFRDCs)

Administered in accordance with U.S. Code of Federal
Regulations, Title 48, Part 35, Section 35.017
DoD FFRDCs

• Summary
  – What is an FFRDC
  – Types of DoD FFRDCs
  – How FFRDCs can help
  – How to work with FFRDCs

• History

• Governance

• FFRDC “one-pagers”
<table>
<thead>
<tr>
<th>CLB Code</th>
<th>Module Title</th>
<th>CLB Code</th>
<th>Module Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLB 007</td>
<td>Cost Analysis</td>
<td>CLB 008</td>
<td>Program Execution</td>
</tr>
<tr>
<td>CLB 008</td>
<td>Program Execution</td>
<td>CLB 009</td>
<td>PPBE and Execution</td>
</tr>
<tr>
<td>CLB 009</td>
<td>PPBE and Execution</td>
<td>CLB 010</td>
<td>Congressional Enactment</td>
</tr>
<tr>
<td>CLB 010</td>
<td>Congressional Enactment</td>
<td>CLB 011</td>
<td>Budget Policy</td>
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<tr>
<td>CLB 011</td>
<td>Budget Policy</td>
<td>CLB 023</td>
<td>Software Cost Estimating</td>
</tr>
<tr>
<td>CLB 023</td>
<td>Software Cost Estimating</td>
<td>CLB 025</td>
<td>Total Ownership Cost</td>
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<td>CLB 025</td>
<td>Total Ownership Cost</td>
<td>CLB 026</td>
<td>Forecasting Techniques</td>
</tr>
<tr>
<td>CLB 026</td>
<td>Forecasting Techniques</td>
<td>CLB 029</td>
<td>Rates</td>
</tr>
<tr>
<td>CLB 029</td>
<td>Rates</td>
<td>CLB 031</td>
<td>Time Phasing Techniques</td>
</tr>
<tr>
<td>CLB 031</td>
<td>Time Phasing Techniques</td>
<td>CLB 032</td>
<td>Force Structure Costing</td>
</tr>
<tr>
<td>CLB 032</td>
<td>Force Structure Costing</td>
<td>CLB 033</td>
<td>DoD Databases for CE</td>
</tr>
<tr>
<td>CLB 033</td>
<td>DoD Databases for CE</td>
<td>CLB 034</td>
<td>Probability Trees</td>
</tr>
<tr>
<td>CLB 034</td>
<td>Probability Trees</td>
<td>CLB 035</td>
<td>Statistical Analysis</td>
</tr>
<tr>
<td>CLB 035</td>
<td>Statistical Analysis</td>
<td>CLB 036</td>
<td>Foreign Military Sales</td>
</tr>
<tr>
<td>CLB 036</td>
<td>Foreign Military Sales</td>
<td>CLB 037</td>
<td>Defense Working Capital Fund</td>
</tr>
<tr>
<td>CLB 037</td>
<td>Defense Working Capital Fund</td>
<td>CLB 038</td>
<td>Comparative Analysis</td>
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<td>CLB 038</td>
<td>Comparative Analysis</td>
<td>CLB 039</td>
<td>Common Cost Terms</td>
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<tr>
<td>CLB 039</td>
<td>Common Cost Terms</td>
<td>CLB 040</td>
<td>Should Cost Management</td>
</tr>
<tr>
<td>CLB 040</td>
<td>Should Cost Management</td>
<td>CLB 042</td>
<td>Cost Risk and Uncertainty Analysis</td>
</tr>
<tr>
<td>CLB 042</td>
<td>Cost Risk and Uncertainty Analysis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BECOMING DAU OF THE FUTURE
Delivering Personalized Convenient Learning

- Modern users crave personalized learning
- AI-driven adaptive learning that enables customization
- Provide only content the user needs to learn
- Instant feedback
- Convenient and mobile friendly
Accelerating the Adoption of Agile Development

Provide Fundamental Knowledge
- Dedicated courses in agile and cloud computing
- Coursera curriculum on Agile and DevOps

Get the word out
- 550 participants in the March 7 DevSecOps forum
- Community of Practice

Help the doers
- Short-duration workshops
- Consulting
- Agile Coaching
Online Tools Help You Excel on the Job

- **Tools & Resources** – hundreds of assets at your fingertips with intuitive search

- **Web-enabled guidebooks** – take your notes and bookmarks with you. Download and view guidebooks, such as the DAG, on your computer or mobile device

- **Connect with experts and peers** – 50+ communities of practice

- **Interactivity** – provide feedback and ratings

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**Online Video Tour**
We Keep You Current on Acquisition

Professional Development Events

- Hot Topic Forums
- Lunch and Learns
- DAU Training Symposia

Publications

- Defense AT&L
  Award-winning publication features experiences & observations of the acquisition community

- Defense Acquisition Research Journal
  Peer-reviewed, scholarly journal features acquisition research, lessons learned, & best practices
Connect with Us…Anywhere, Any Time

www.dau.mil/

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@DAU_Now

/Defense-acquisition-university

/defenseacquisitionuniversity
Professional Development Opportunities

The DAU Alumni Association provides a means for continuing professional growth within the defense acquisition community and helps workforce members meet their continuous learning requirements.

The Association hosts the annual Acquisition Community Symposium and a number of Hot Topic Forums.

www.dauaa.org