Review Process

The Knowledge Unit (KU) Review Calendar divides the entire CAE-C KU list into 12 months for the purposes of community review. They are ordered based on their use in CAE Designation applications. The objective is to make all of the current KUs available for community comment in a one year period from April 2015 through April 2016.

The KUs are available for review and comment on the CAE Community website. For each month there will be a designated set of KUs up for discussion and vote. For the designated time period, discussions will be captured by the website.

- Once the comments period is closed, voting members of the CAE Community will cast their vote according to procedures published by the CAE Community Chair. Only the official POC for each designation at each institution will vote. Once there is a consensus, the CAE Community Chair will provide a CAE Community opinion on the KUs to the CAE Program Office at ASKCAEIAE@NSA.GOV.
- The CAE Program Office will take the consensus opinion under consideration, and will collaborate with designated partners in government, academia and industry and make a decision on any changes to each KU.
- The final decision on each KU will be released within a month of the input from the Community, and will be published on both the CAE Community and CAE-C Program websites. Changes to KUs will take effect on the following 1 July, with the first changes effective 1 July 2016. This will allow institutions applying for designation or going through the re-designation process time to accommodate changes to the KUs.

CAE-C KU Review Calendar

| Knowledge Unit | Times Used for Designation | Community Comments Close | Opinion due to CAE Program | Final Decision |
|---|----------------------------------|--------------------------------|----------------------------------|-------------------|
| Digital Forensics | 42 | | | |
| Data Structures | 41 | - | 1 Jul 2015 | |
| Cyber Defense | Core | - | | |
| Basic Data Analysis | Core | - | | |
| Basic Scripting or Introductory Programming | Core | - | | |
| Advanced Network Technology and Protocols | 29 | 1 Jun 2015 | | 1 Aug 2015 |
| Database Management Systems | 29 | - | | |
| Security Risk Analysis | 29 | - | | |
| Fundamental Security Design Principles | Core | - | | |
| IA Fundamentals | Core | - | | |
| Cyber Threats | Core | - | | |
| Algorithms | 28 | | 1 Aug 2015 | 1 Sep 2015 |
| IA Compliance | 26 | - 1 Jul 2015 | | |
| Operating Systems Theory | 26 | | | |
| Introduction to Cryptography | Core | | | |
| IT Systems Components | Core | - | | |
| Networking Concepts | Core | - | | |
| Cybersecurity Planning and Management | 25 | | 1 Sep 2015 | 1 Oct 2015 |
| Vulnearbility Analysis | 25 | - | | |
| Advanced Cryptography | 23 | 4.4. 0045 | | |
| Probability and Statistics | Core | 1 Aug 2015 | | |
| Programming | Core | | | |
| Databases | Core | - | | |
| IA Standards | 22 | | 1 Oct 2015 | 1 Nov 2015 |
| Network Forensics | 21 | | | |
| Network Security Administration | 21 | 10 0015 | | |
| Policy, Legal, Ethics and Compliance | Core | 1 Sep 2015 | | |
| System Administration | Core | + | | |
| Network Defense | Core | + | | |
| Pentration Testing | 21 | | | |

| Media Forensics | 18 | 1 Oct 2015 | 1 Nov 2015 | | |
|--|------|------------|------------|---------------|--|
| Intrusion Detection / Prevention Systems | 18 | | | | |
| Digital Communications | 16 | | | 1 Dec 2015 | |
| Hardware/Firmware Security | 2 | | | | |
| Networking Technology and Protocols | Core | | | | |
| Operating Systems Concepts | Core | * | | | |

| Knowledge Unit | Times Used for Designation | Community Comments Close | Scheduled Review by Committee | Final Decision |
|--|----------------------------------|--------------------------------|-------------------------------------|-------------------|
| Cloud Computing | 15 | | 1 Dec 2015 | |
| Device Forensics | 15 | m | | |
| Host Forensics | 15 | | | |
| Intro to Theory of Computtion | 14 | 1 Nov 2015 | | 1 Jan 2016 |
| Operating Systems Hardening | 14 | m | | |
| Life-Cycle Security | 14 | m | | |
| Systems Certification and Acceditation | 14 | * | | |
| Systems Security Engineering | 6 | | 1 Jan 2016 | |
| Embedded Systems | 5 | | | 1 Feb 2016 |
| Formal Methods | 4 | | | |
| Hardware Reverse Engineering | 4 | 1 Dec 2015 | | |
| QA/Funcational Testing | 4 | * | | |
| Fraud Prevention and Management | 3 | - | | |
| Independent/Directed Study/Research | 3 | - | | |
| Security Program Management | 13 | | 1 Feb 2016 | 1 Mar 2016 |
| Software Reverse Engineering | 13 | - | | |
| IAArchitectures | 11 | - | | |
| Supply Chain Security | 11 | - | | |
| Virtualization Technologies | 6 | 1 Jan 2016 | | |
| RF Principles | 6 | - | | |
| Forensics Accounting | 5 | | | |
| Overview of Cyber Operations | 5 | | | |
| Wireless Sensor Networks | 5 | | | |
| Analog Telecommunications | 9 | | 1 Mar 2016 | 1 Apr 2016 |
| Low-level Programming | 9 | + | | |
| Secure Programming Practices | 9 | - | | |
| Software Security Analysis | 9 | - | | |
| Systems Programming | 9 | 1 Feb 2016 | | |
| Data Administration | 7 | + | | |
| Software Assurance | 7 | * | | |
| Industrial Control Systems | 6 | + | | |

| Mobile Technologies | 6 | | | | |
|---------------------|---|--|--|--|--|
|---------------------|---|--|--|--|--|