DIRECTORATE FOR COMPUTER AND INFORMATION SCIENCE AND ENGINEERING (CISE)

	CISE Funding (Dollars in Millions)				
	FY 2024 Current Plan	FY 2025 (TBD)	FY 2026 Request	Change over FY 2024 Current Plan	
				Amount	Percent
Total	**$989.35**		**$346.27**	**-$643.08**	**-65.0%**
Research	697.70		236.77	-460.93	-66.1%
Education	57.50		13.31	-44.19	-76.9%
Infrastructure	234.15		96.19	-137.96	-58.9%

Essentially all practical applications of today's Information Technology are based on ideas and concepts that emerged from investments in fundamental computing and information research, many of them funded by CISE[1] over the last four decades. CISE investments have three intertwined components: foundational and use-inspired research, cyberinfrastructure that supports and enables this research, and education and training for the cyber workforce of the future. CISE supports research across subfields in the AI and computing ecosystem, including novel algorithms, hardware and systems, programming and software engineering paradigms, cybersecurity, advanced wired and wireless networking, robotics, and quantum and bioinspired computing approaches. CISE investments also include advanced cyberinfrastructure within computing and across science and engineering, and novel educational approaches that stay ahead of fast-moving and disruptive technologies, like AI and quantum, to effectively train students and workers for the jobs of the future.

In FY 2026 CISE will support research on critical technologies to fuel economic growth, unleash American prosperity, and bolster national security. CISE will:
• Advance AI through support for foundational and use-inspired research, education, and infrastructure in strong alignment with the priority areas identified in the *Request for Information on the Development of a 2025 National Artificial Intelligence (AI) Research and Development (R&D) Strategic Plan*[2] and the White House Executive Order on *Advancing Artificial Intelligence Education for American Youth.*[3] Key investments will include the National AI Research Institutes and the National AI Research Resource.
• Support research and education that advance the foundations of quantum information science and technology, including through novel approaches for building the quantum computing stack as well as hybrid approaches that combine quantum and classical computing, and high-performance post-quantum cryptographic algorithms and implementations that are secure against attacks from both classical and quantum computers.
• Support other areas critical to U.S. technological leadership, such as advanced wireless communications technologies, advanced manufacturing, semiconductors and microelectronics, biotechnology, and cybersecurity.

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[1] www.nap.edu/catalog/25961/information-technology-innovation-resurgence-confluence-and-continuing-impact

[2] www.federalregister.gov/documents/2025/04/29/2025-07332/request-for-information-on-the-development-of-a-2025-national-artificial-intelligence-ai-research

[3] www.whitehouse.gov/presidential-actions/2025/04/advancing-artificial-intelligence-education-for-american-youth