

PUBLIC INTEREST TECHNOLOGIST CERTIFICATE PROGRAM

OVERVIEW

Carnegie Mellon University is rolling out a new executive education program to address a critical talent shortage in the public sector – Government leaders that can build evidence-based, data-driven organizations. CMU's Public Interest Technologist Certificate (PITC) supports these leaders as they navigate the complexities of digital transformation and the introduction of Artificial Intelligence into their agencies.

Federal agencies were mandated to move in this digital direction with the passing of the [Foundations for Evidence-Based Policymaking Act](#). This Act was reinforced by President Biden's Memorandum on [Restoring Trust in Government Through Scientific Integrity and Evidence-Based Policymaking](#) stating, "Scientific and technological information, data, and evidence are central to the development and iterative improvement of sound policies, and to the delivery of equitable programs, across every area of government."



PITC has a government focus, with an emphasis on digital literacy and realizable organizational change. This six-month program is delivered in a cohort-based synchronous online mode with in-person touchpoints. It is designed for participants to develop a tight-knit community of peers for support and networking.

With Carnegie Mellon's leadership in technology, you will keep pace with the latest trends in digital innovation, data management, enterprise risk, and policy innovation.

PROGRAM OUTCOMES

- An understanding of the methods and analytical approaches to evidence-based decision making
- The skills to make data and technology decisions with a focus on innovation and effective change management
- The knowledge of opportunities to utilize data as well as the risks and ethical considerations when applying algorithms and automation to inspire trust and confidence in constituents

PROGRAM COMPONENTS

- The program will consist of three component certificates, that when completed will earn the students the Public Interest Technologist Certificate of Program Completion.
- The PITC Program components are as follows:
 - Data Management
 - Digital Innovation
 - AI Leadership
- Each component certificate will include four modules (3.5 hours each in length) that cover key topical areas tailored for the public sector.
- The final module in each certificate will be an applied Strategy Implementation Workshop on policy innovation, governance and organizational challenges, and talent management practices.

Data Management Certificate:	Digital Innovation Certificate:	AI Leadership Certificate:
<ul style="list-style-type: none"> • Foundations of Enterprise Data Management • Data Strategy and Governance • Data Analytics for Public Policy • Data Visualizations & Implementation Workshop 	<ul style="list-style-type: none"> • Emerging Tech and Innovation • Public Sector Digital Transformation • Strategy and Change Management • Human Centered Design Implementation Workshop 	<ul style="list-style-type: none"> • Demystifying AI • Data Science for Good • Managing AI Projects • Ethics of AI & Strategy Implementation Workshop

PROGRAM SCHEDULE

Data Management Certificate:

August 12, 19 (2022)
 September 9, 23 (2022)

Digital Innovation Certificate:

October 14, 21 (2022)
 November 3, 18 (2022)

AI Leadership Certificate:

December 2, 9 (2022)
 January 6, 20 (2023)

Final Presentations:

February 3, 2023

DELIVERY MODEL

- Program content and delivery by leading CMU faculty and select government experts.
- The modules for each component certificate will be scheduled over a 2-month period, delivered on Fridays from 1:00 to 4:30 p.m. EST via live distance learning in a cohort to develop a tight network amongst the program participants and facilitate deep discussions/shared learning experiences.
- This will allow students to complete each component certificate in 2 months, and the full PITC Program in 6 months.

Capstone Projects:

Students will be placed into teams and will work collaboratively on application exercises (one for each component certificate) to apply the learnings, methods, and tools taught on an important societal impact project that will span the entire program.

PROGRAM FEES

Full Rate: \$10,500

Discounted Rate: \$9,000

Applies to CMU alumni, non-profit employees, CMU CyLab Partners, U.S. government employees, and veterans.

ABOUT CMU HEINZ COLLEGE

The Heinz College of Information Systems and Public Policy is home to two internationally recognized graduate-level institutions at CMU: The School of Information Systems and Management and the School of Public Policy and Management. This unique colocation combined with its expertise in analytics set Heinz College apart in the areas of cybersecurity, healthcare, the future of work, smart cities, and arts & entertainment.

