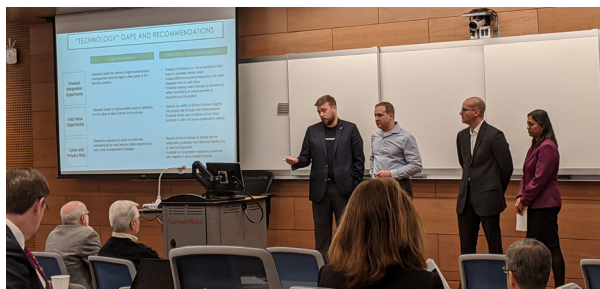


# CHIEF INFORMATION OFFICER (CIO) CERTIFICATE PROGRAM

An interdisciplinary approach to information and technology management that is designed for busy executives with IT oversight responsibilities looking to be more effective and impactful in their leadership roles.

This six-month hybrid program blends the benefits of focused in-person sessions at our CMU campus with live, synchronous distance learning. Through impactful coursework and a strategic hands-on project with members of your cohort, the CIO Program provides you with the skills and insights that you need to be an effective CIO in an increasingly digitized world.

The CIO Program imparts applicable training, including topical discussion on current IT challenges and best practices. Learning objectives are met through a combination of expert faculty instruction, business case analyses, and active exchanges with industry thought leaders. As part of this certificate program, you will also work within a team to develop a new information technology strategic plan for an organization and deliver a final executive presentation. This project is designed to imitate a realistic executive board setting with a focus on the application of several of the methods, tools, and techniques taught during the program.



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**#1 RANKED**

Heinz College is the #1 Analytics Education Program and has been #1 in Information and Technology Management since 2001

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## PROGRAM MODULES

### Role of the CIO

**Steve Agnoli** | Senior Director, Strategic Technology Transition – Reed Smith LLP

### IT Strategy and Governance

**Chris Labash** | Associate Teaching Professor – CMU Heinz College

**Ken Spangler** | Executive Vice President IT, CIO Global Operation Technologies – FedEx

### Enterprise Architecture

**Robert McVay** | Senior Consultant, Information Security Service, Quality Assessment Division – Smithers

### Technology Platform Modernization

**Rashid Desai** | CIO, Data & Analytics, Chief Engineer – NAB

### Innovation and Emerging Technology

**Kimberly Ellison-Taylor** | CEO – KET Solutions LLC

### Cybersecurity for the CIO

**Matt Butkovic** | Technical Director of Cybersecurity Risk and Resilience – CERT Division of SEI

**Greg Touhill** | Director – CERT Division at the Software Engineering Institute

### PMO and Driving Execution + Vendor Management

**Bill Fortwangler** | Executive Vice President-Chief Information Officer – Dollar Bank

### CIO Organization Structure and Operations

**Honorable Dana Deasy** | Former CIO – U.S. Department of Defense

### Effective CIO Communication Skills

**Chris Labash** | Associate Teaching Professor – CMU Heinz College

### CIO Financial Management

**Davor Brkovich** | CIO – Matthews International

### Building/Managing Digital Products

**Jason Pausman** | VP, R&D Technical Product Management – Antech Diagnostics

### Data Management for CIOs

**David Steier** | Distinguished Service Professor – CMU Heinz College

### Business Process Transformation and Automation

**Jennifer Honig** | Chief Executive Officer – Techstra Solutions LLC

**Larry Honig** | Chief Digital Officer – Techstra Solutions

### Operationalizing AI

**Anand Rao** | Distinguished Service Professor – CMU Heinz College

### Change and Talent Management

**Mukul Chopra** | Co-Founder/Advisor – Wellforce IT

**Dave Silvester** | Managing Director and COO, Clearing, Markets, Treasury and Shared Services Engineering – BNY

### Digital Transformation at Scale

**Sumeet Chabria** | Chief Executive Officer – ThoughtLinks

Module descriptions at [www.heinz.cmu.edu/cio](http://www.heinz.cmu.edu/cio)

## INSTRUCTOR TESTIMONIAL

“CIOs bring together a deep understanding of technology and business drivers, emerging trends, and transformations that can lead an organization forward. The Heinz College CIO Program provides key learning and experiential opportunities leveraging CMU’s reputation and resources, direct access to experienced senior executives in related fields, and collaboration between IT leaders from a diverse array of industries and backgrounds. It is a critically important professional development tool for those new to the role or aspiring to be a future CIO.”

– **Steven W. Agnoli**, Chief Information Officer – Reed Smith



## PRACTICUM

During the CIO Practicum, students are required to demonstrate their knowledge, skills, and abilities as a CIO by working in teams to conceive, develop, and deliver a new strategic technology roadmap for a project organization that is applicable in today's business environment.

- This unique capstone activity provides student teams a mechanism to demonstrate their knowledge, skills, and abilities in enterprise technology management and leadership.
- In order to be successful, teams need to demonstrate command of the material through focusing on application of the methods, tools, and techniques taught in the modules and throughout the program.
- Practicum projects are designed for small teams of students to develop, along with an experienced CIO coach, a strategic technology improvement roadmap for a project company.
- Teams must also make an executive presentation to a simulated "C-suite", thus communicating to their peers (and board) of the project company the benefits of the new roadmap to gain their acceptance.
- The CIO Program committee assembles teams to ensure that they consist of individuals from different industries/backgrounds to provide a unique learning experience for each student.



## ALUMNA TESTIMONIAL

"This is a peerless and preeminent CIO program structured on science and research delivered through academic formats and built on a philosophy of real-world organization and technology circumstances. Impressive academic instructions and peer interactions that will inspire and provide the skills for even the most seasoned technology leader. This program has been an inflection point in my career, a new career trajectory of leading technology disruption and digital transformation."

- **Susan Tincher** | Associate Chief Information Office, Infrastructure - University Southern California

## ASSOCIATE DEAN TESTIMONIAL

"The CMU CIO Program at the Heinz College is the foundation of our suite of executive education offerings. Since its inception in 2001, it has been fascinating to see the program's evolution to what it has become today. The CIO Program is unique in its ability to deliver a set of working tools to IT leaders along with the tacit knowledge on applying these methods in the face of complexity. The program's strength is its ability to build a community of professionals that share similar IT challenges across vastly different industries."

- **Andy Wasser** | Associate Dean, School of Information Systems and Management; Adjunct Faculty - CMU Heinz College



## PROGRAM REQUIREMENTS

What are the steps to earning the CIO Program Certificate?

- 1. Candidate Acceptance:** Each applicant must have at least 7 years relevant experience managing projects and/or people. An undergraduate or advanced degree in a relevant field is preferred.
- 2. Participation:** Participants must complete all certificate modules and assignments and attend all coaching sessions. Please expect to spend 7-10 hours per week on average attending modules and working with your team.
- 3. Practicum Project:** During the CIO Practicum, students are required to demonstrate their knowledge, skills, and abilities as a CIO by working in teams to develop a strategic technology roadmap and deliver a formal presentation to an executive suite.

**Receive Your Certificate! The CIO Program Certificate includes the following benefits:**

- Free entry to any future CIO Program modules (prior approval is required)
- Path to a Master's Degree: Students who complete the CIO Certificate are eligible for a tuition discount scholarship equal to the total amount paid to complete the CIO Program
- Official CIO Program logo for display



## PROGRAM LOGISTICS

**Program Dates:**

For program dates, please visit [www.heinz.cmu.edu/cio](http://www.heinz.cmu.edu/cio)

**Program Fees:**

Full Rate: \$18,750

Discounted Rate: \$15,000

*Applies to CMU alumni, U.S. government employees, veterans, and employees of non-profit organizations*

**Application Deadline:**

For application deadline, please visit [www.heinz.cmu.edu/cio](http://www.heinz.cmu.edu/cio)

Please submit your application as soon as possible for consideration.

*If space remains in the cohort after the given deadline, we will continue to accept applications on a first-come, first-served basis.*

**To Apply:**

[hinz.cm/cio-apply](http://hinz.cm/cio-apply)



**Heinz College Executive Education**

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Pittsburgh, PA 15213

email: [heinzexeced@cmu.edu](mailto:heinzexeced@cmu.edu)

phone: 412-268-6730

[heinz.cmu.edu/cio](http://heinz.cmu.edu/cio)

## FINANCE FAQs

### How do I pay for my program costs?

#### Credit Card Installments (Default):

Students are automatically enrolled in a credit card plan of five equal monthly installments. Installment invoices can only be paid by credit card via the link that is emailed to the student.

#### Other Options:

On the application, students may instead elect to pay their total program cost upfront via credit card, check, or electronic fund transfer.

#### Payments by Employer:

If your employer will be paying for program costs on your behalf, on the application, please provide the name and email address for your appropriate billing contact when prompted. Invoices will be issued to this contact. As Carnegie Mellon University does not execute contracts with the employers of our Executive Education students, it is ultimately the responsibility of the student to ensure that their program costs have been paid.

#### Changing Payment Method:

If a student would like to make changes to their selected payment plan or information initially provided on their application, please email [heinzexeced@cmu.edu](mailto:heinzexeced@cmu.edu).

### How do I reserve my seat in the program?

The first billing installment (or 1/5 of the total program cost) is collected as a non-refundable, non-transferable deposit to reserve a student's seat in the program.

### What if I need to cancel my registration or withdraw from the program?

#### Before Program Start Date:

If a student withdraws from the program after the deposit has been paid but prior to the program start date, the student may have 4/5 of the program costs either refunded to them or transferred to the following cohort of the program.

#### After Program Start Date:

After the program start date, no refunds will be issued. However, under extenuating circumstances and with program director approval, students may petition to postpone their attendance to a future cohort and have 4/5 of the program costs applied accordingly.

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## CONTACT

For questions, please contact [heinzexeced@cmu.edu](mailto:heinzexeced@cmu.edu).