

A photograph of two men in a meeting. The man in the foreground is wearing a blue and white striped shirt and is gesturing with his hands while speaking. The man in the background is wearing a plaid shirt and is listening attentively. The background shows a whiteboard with a map and some papers.

# Information Systems. Technology. Innovation.

Create  
Your  
Future



# We Create Solutions

**ENHANCE** your field of study with concentrations in Data Science, Geographic Information Systems (GIS), Health Informatics, and more.

**RECEIVE** individualized attention, professional mentorship, and opportunities to collaborate with faculty-scholars who guide you across the graduate school experience.

**SECURE** job opportunities in academic settings or benefit employers in business, industry, nonprofits, and government sectors.



## Become an IS&T Leader

Strongly grounded in software development, database systems, networking, and information systems & technology (IS&T) management, the programs at Claremont Graduate University's Center for Information Systems & Technology (CISAT) combine technically driven, transdisciplinary scholarship in technology with a commitment to its application to important business and societal issues.

- Receive reswnfused instruction from a faculty fully devoted to IS&T scholarship and innovation. The CISAT faculty are experts in their fields and maintain valuable partnerships in labs and practicums that provide you a unique industry-focused learning environment.
- Experience how CISAT integrates relevant, cutting-edge technical training with applied IS&T experience. Our design-centric approach emphasizes the creation of pragmatic technological solutions that help to improve human performance to solve problems spanning numerous applications.
- Learn how to solve real problems for real people in business, health care, and more. Cutting-edge research concentrations allow tailored tracks of study and provide a flexible curriculum and schedule that accommodates full-time students and working professionals.



# Information Systems & Technology Programs

Program	Units	Completion	Features
MS in Information Systems & Technology	36	1 – 1.5 years (full-time) 1.5 – 3 years (part-time)	Choose from six concentrations (see below) that balance technology and management scholarship to achieve pragmatic solutions.
PhD in Information Systems & Technology	76	4 – 7 years	Focus on solving pragmatic problems using a mixture of creative designs and existing theory to develop IS&T solutions.

## MSIST Areas of Concentration

### **Cybersecurity & Networking**

Develop skills to help businesses and organizations prepare for and prevent devastating cyber-attacks.

### **Data Science & Analytics**

Equip yourself with data mining, specialized programming, and other computational skills to understand how data can be used to solve problems.

### **Geographic Information Systems (GIS)**

Learn skills to create transformative GIS solutions: spatial analysis, geodatabase design, and the creation of intelligent map applications.

### **Health Informatics**

Become a well-trained informatics specialist with strong leadership abilities and the potential to shape health care delivery and practice.

### **Information Systems & Technology**

Learn the concepts, skills, and applications to create software and systems that optimize human performance and produce positive societal change.

### **IT Strategy & Innovation**

Explore current innovations and key business strategies as an internet entrepreneur and learn to create a successful internet startup.



## Dual Degree Offerings

### **MS in Information Systems & Technology and MBA in Business Administration**

Build a firm grounding in the essential aspects of management and increase your marketability in the IS&T marketplace.

### **MS in Information Systems & Technology and MA in Management**

Expand your competencies in management and business practices to prepare yourself for innovative roles in technology-related industries.

## Online Options

### **MS in Information Systems Technology**

Discover the IS&T concepts, skills, and applications needed to advance your career and take on leadership roles in this fully online program. Complete this 36-unit program in as little as one year.

### **GIS Certificates in Location Intelligence & Spatial Analysis**

Earn one or more online certificates focusing on GIS for spatial insight; data science; imagery; analytics & development; innovation & entrepreneurship; film, gaming & design; healthcare; or emergent and integrative GIS. Take your GIS career to the next level.



# Making a Global Impact

## Voters' Rights

CISAT digital mapping expert Professor Brian Hilton teamed with CGU's Division of Politics & Economics Professor Jean Schroedel to protect the rights of Native American voters in North Dakota during the fall 2018 elections. A voter ID law there requires voters to show identification that includes street addresses. Street addresses aren't common on reservations, and many use post office boxes. But Hilton and Schroedel digitally mapped tribal lands to assign street addresses



so that these residents wouldn't be disqualified.

[cgu.edu/news/voters](http://cgu.edu/news/voters)

## What's in a Name?

A recent change occurred to the name of a fixture in the university's Academic Computing Building: The Paul Gray Personal *Computer* Museum changed its name to the Paul Gray Personal *Computing* Museum to

better reflect the museum's purpose as well as the expanding usage of



computing on multiple platforms.

[cgu.edu/news/paul-gray](http://cgu.edu/news/paul-gray)

## Fighting Hunger with Machine Learning

Student Joseph Mbugua was named recipient of a 2018 Microsoft AI for Earth Grant Award to support his project: applications to detect, identify, and map diseases afflicting



a vital developing-world food staple.

[cgu.edu/news/hunger](http://cgu.edu/news/hunger)

## Developing the 'Smart Grid'

PhD candidate Vivian Sultan recently presented research on renewable energy supplies and smart grid development across the globe, including the International Conference on Smart Grids, Green Communication & IT Energy-aware Technologies, 5th Annual



International Battery Seminar & Exhibit, and the EPRI Electrification



2018 International Conference & Exposition.  
[cgu.edu/video/smart-grid](http://cgu.edu/video/smart-grid)

### Improving L.A.

Alumna Jeanne Holm launched an initiative that pairs universities with Los Angeles city departments interested in using predictive models and analysis to help them address prob-



lems in the nation's second most-populous city.  
[cgu.edu/news/cola](http://cgu.edu/news/cola)

### Easy Access to MedEd

Alumnus Sarbartha S.J.B. Rana and other students collaborated with CISAT faculty to develop a flash drive-like device and cloud-based platform that allows individuals to access medical education content to help physicians better serve



patients and improve their practice.  
[cgu.edu/read/med-ed](http://cgu.edu/read/med-ed)

### Design-Centric Research

Research centers—including the Advanced GIS Lab, Data Science Lab, and Innovations Design Empowerment Applications (IDEA) Labs—provide hands-on, technically



focused, and industry-oriented training.  
[cgu.edu/cisat-research](http://cgu.edu/cisat-research)

## Join Our Alumni Network

Our alumni work at distinguished universities and in key organizations that effect world change.

Adidas Gold  
Amazon  
Boeing  
Cal Poly, Pomona  
California Institute of Technology  
City of Hope Hospital  
Costco Wholesale  
DirecTV  
Esri  
Google  
IBM  
Kaiser Permanente  
Loyola Marymount University  
Microsoft  
NASA Jet Propulsion Laboratory  
Northrop Grumman Aerospace Systems  
San Diego State University  
University of California, Los Angeles  
University of California, Riverside  
University of Southern California  
Veterans Health Administration  
Wells Fargo



## Explore

Learn more about CGU.  
[cgu.edu/why-cgu](http://cgu.edu/why-cgu)



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[cgu.edu/visit](http://cgu.edu/visit)



## Invest

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## Apply

Start your journey today.  
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## Questions?

Contact your personal admissions representative.  
[admissions@cgu.edu](mailto:admissions@cgu.edu) | 909-607-7811

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