Project Management

Keeps projects on track.
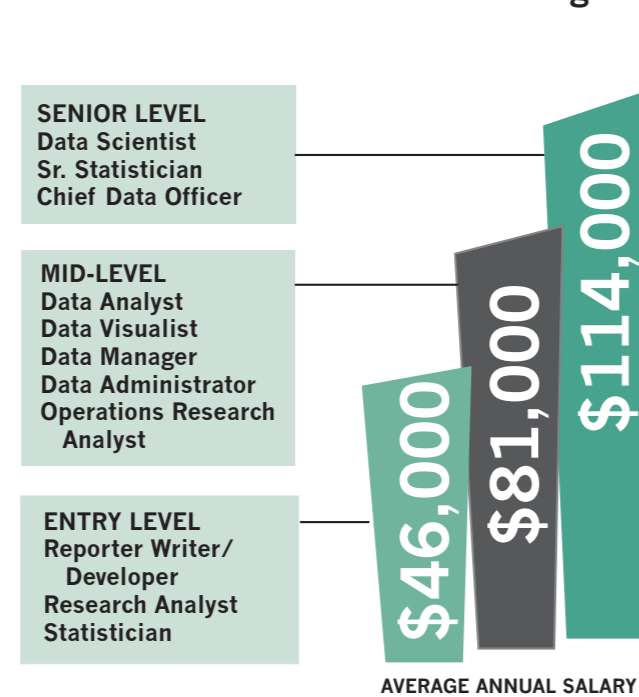
PRIMARY ROLE:
Planning, Organizing, Completing

SENIOR LEVEL
Project Management
Office Director
Program Manager

MID-LEVEL
Information Technology
Project Manager

ENTRY LEVEL
Information Technology
Project Coordinator

$53,000 $93,000 $156,000

AVERAGE ANNUAL SALARY
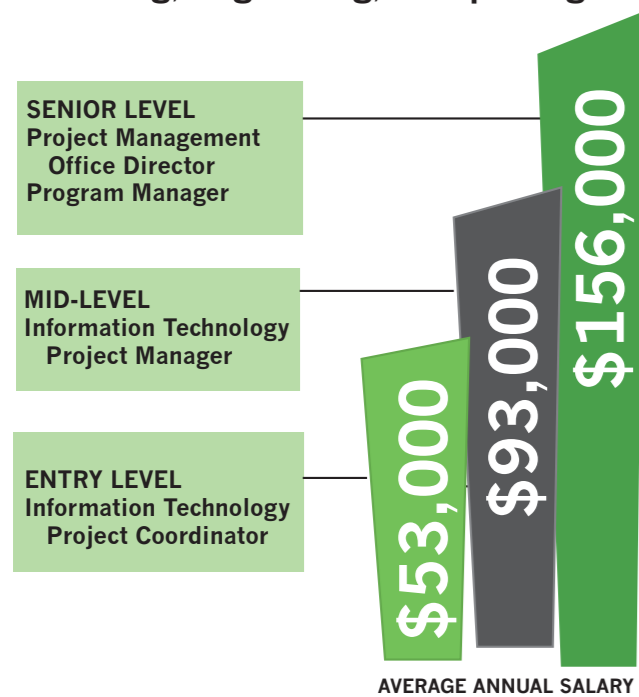
Data Analytics

Translates numbers into plain English.

PRIMARY ROLE:
Examination and Decision-making

SENIOR LEVEL
Data Scientist
Sr. Statistician
Chief Data Officer

MID-LEVEL
Data Analyst
Data Visualist
Data Manager
Data Administrator
Operations Research
Analyst

ENTRY LEVEL
Reporter Writer/
Developer
Research Analyst
Statistician

$46,000 $81,000 $114,000

AVERAGE ANNUAL SALARY

Business, Sales & Management

Combines business background with IT experience.

PRIMARY ROLE:
Communications & Problem-solving

SENIOR LEVEL
Chief Information
Officer (CIO)

MID-LEVEL
Business Analyst
Business Process
Improvement
Specialist
Management Analyst
Workflow Developer

ENTRY LEVEL
Associate Analyst
Jr. Business Analyst

$46,000 $76,000 $157,000

AVERAGE ANNUAL SALARY
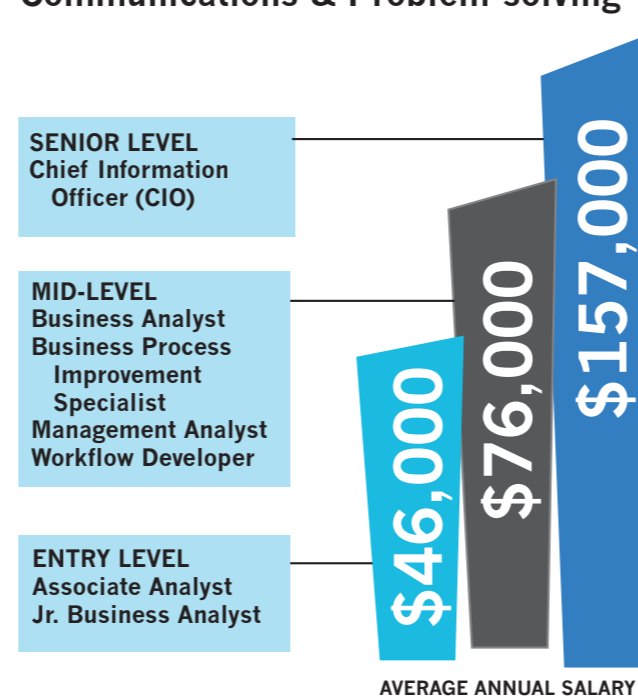
Support & Services

Network and Systems Administration
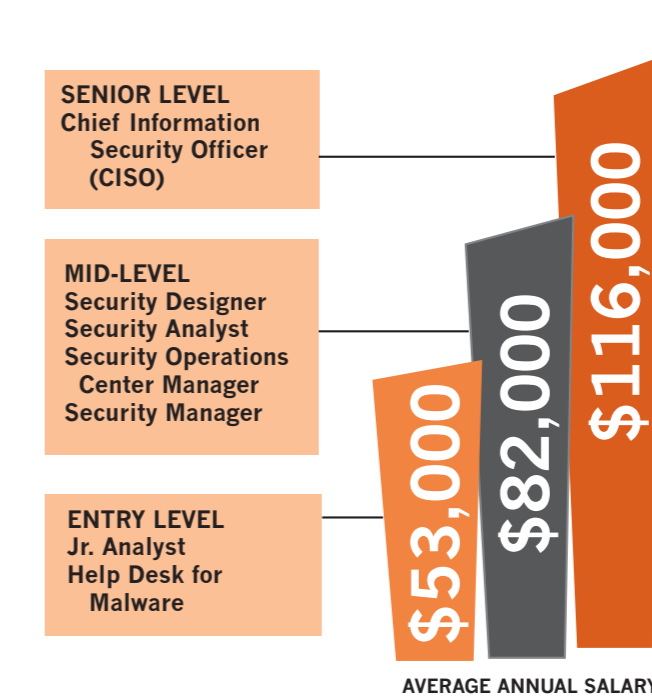Launching pad to careers in a range of information technology
and cyber security jobs.

PRIMARY ROLE:
Customer Services

SENIOR LEVEL
Service Owner
Customer Service
Director
System Architect
Network Architect
Chief Technology
Officer

MID-LEVEL
Service Manager
System Administrator
Network Administrator

ENTRY LEVEL
IT Technician
Help Desk
Tech Support
Customer Service
Specialist
Network Technician
IT Support

$45,000 $75,000 $162,000

AVERAGE ANNUAL SALARY
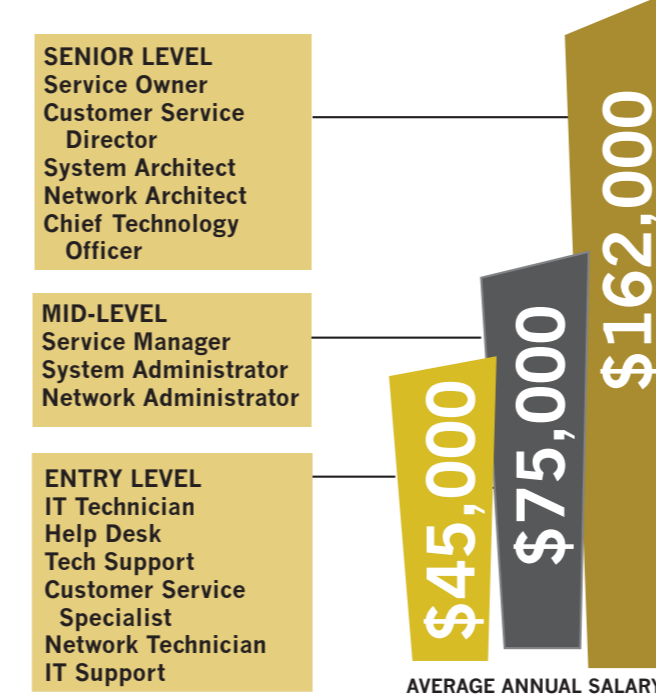
Cyber Security

Involved in every aspect of information technology
protection from administrative to operations.

PRIMARY ROLE:
Protection

SENIOR LEVEL
Chief Information
Security Officer
(CISO)

MID-LEVEL
Security Designer
Security Analyst
Security Operations
Center Manager
Security Manager

ENTRY LEVEL
Jr. Analyst
Help Desk for
Malware

$53,000 $82,000 $116,000

AVERAGE ANNUAL SALARY

Development & Integration

Supports the implementation and rollout of new computer
network infrastructure in companies.

PRIMARY ROLE:
Implementation & Rollout

SENIOR LEVEL
Sr. Software/App
Developer
Software/App
Developer Manager
Systems Architect
Enterprise Architect

MID-LEVEL
Software/App
Developer
API Interface
Developer
Application Integrator

ENTRY LEVEL
Jr. Software/App
Developer
Web Developer

$58,000 $91,000 $127,000

AVERAGE ANNUAL SALARY

University of Hawai'i Information and Communications Technology (ICT) Pathway

The ICT pathway is an inclusive strategic initiative to broaden the collection of disciplines related to computer, cyber, and information technology.

UNIVERSITY of HAWAI'I SYSTEM

This brochure has been produced in collaboration with the ICT pathway initiative, CIO Council and the University of Hawai'i Community Colleges.

Data sources for salaries and job openings were compiled from the UHCC Hawai'i Industry Sector website and Glass Door website.
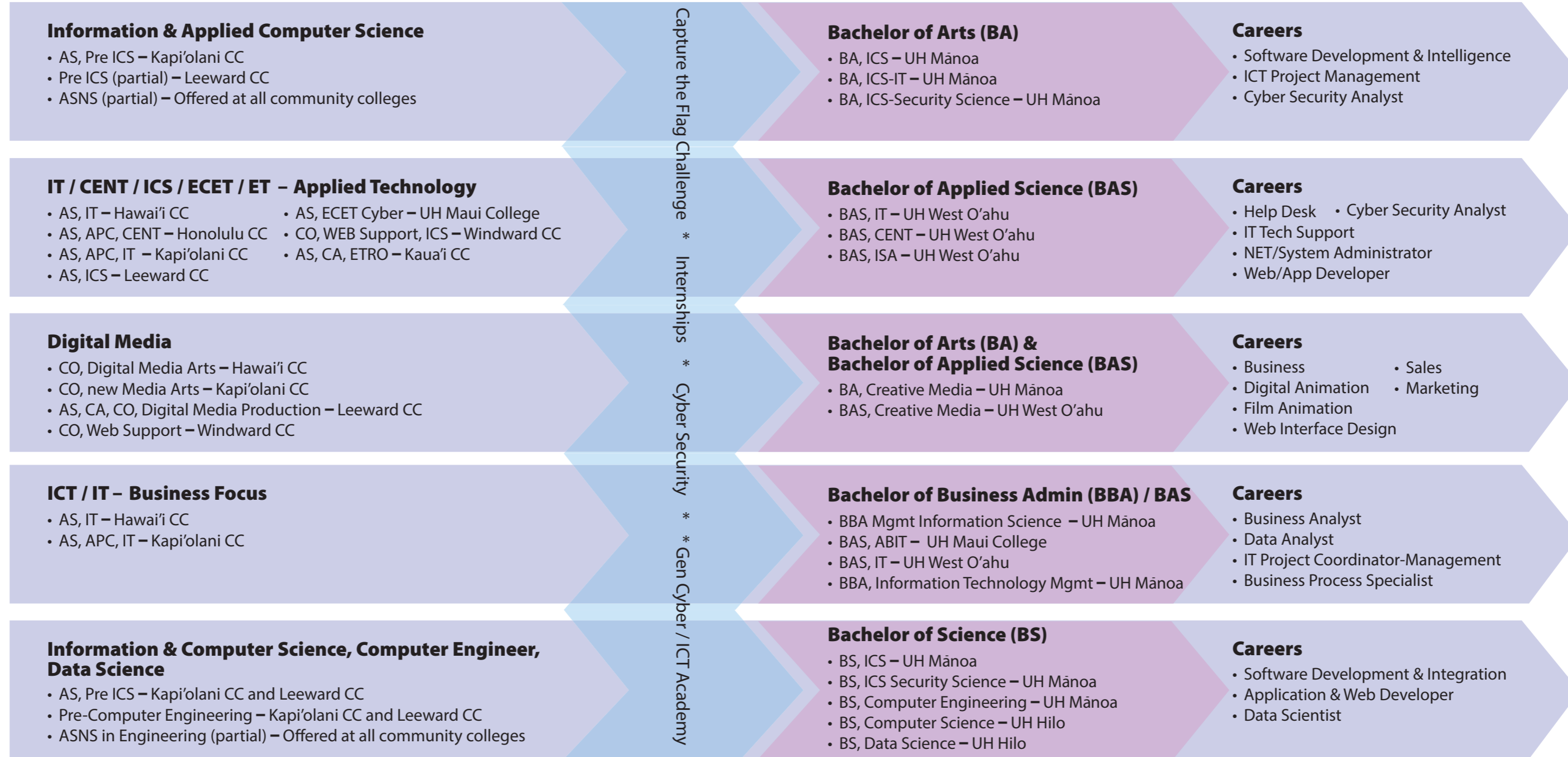
Learn more about career opportunities in Hawai'i's industry sector by visiting the website at **uhcc.hawaii.edu/workforce**.

CIO Council

Contact:
itworkforce@ciocouncilofhawaii.org.

Information & Applied Computer Science
- AS, Pre ICS – Kapi'olani CC
- Pre ICS (partial) – Leeward CC
- ASNS (partial) – Offered at all community colleges

Bachelor of Arts (BA)
- BA, ICS – UH Mānoa
- BA, ICS-IT – UH Mānoa
- BA, ICS-Security Science – UH Mānoa

Careers
- Software Development & Intelligence
- ICT Project Management
- Cyber Security Analyst

IT / CENT / ICS / ECET / ET – Applied Technology
- AS, IT – Hawai'i CC
- AS, APC, CENT – Honolulu CC
- AS, APC, IT – Kapi'olani CC
- AS, ICS – Leeward CC
- AS, ECET Cyber – UH Maui College
- CO, WEB Support, ICS – Windward CC
- AS, CA, ETRO – Kaua'i CC

Bachelor of Applied Science (BAS)
- BAS, IT – UH West O'ahu
- BAS, CENT – UH West O'ahu
- BAS, ISA – UH West O'ahu

Careers
- Help Desk
- Cyber Security Analyst
- IT Tech Support
- NET/System Administrator
- Web/App Developer

Digital Media
- CO, Digital Media Arts – Hawai'i CC
- CO, new Media Arts – Kapi'olani CC
- AS, CA, CO, Digital Media Production – Leeward CC
- CO, Web Support – Windward CC

Bachelor of Arts (BA) & Bachelor of Applied Science (BAS)
- BA, Creative Media – UH Mānoa
- BAS, Creative Media – UH West O'ahu

Careers
- Business
- Sales
- Digital Animation
- Marketing
- Film Animation
- Web Interface Design

ICT / IT – Business Focus
- AS, IT – Hawai'i CC
- AS, APC, IT – Kapi'olani CC

Bachelor of Business Admin (BBA) / BAS
- BBA Mgmt Information Science – UH Mānoa
- BAS, ABIT – UH Maui College
- BAS, IT – UH West O'ahu
- BBA, Information Technology Mgmt – UH Mānoa

Careers
- Business Analyst
- Data Analyst
- IT Project Coordinator-Management
- Business Process Specialist

Information & Computer Science, Computer Engineer, Data Science
- AS, Pre ICS – Kapi'olani CC and Leeward CC
- Pre-Computer Engineering – Kapi'olani CC and Leeward CC
- ASNS in Engineering (partial) – Offered at all community colleges

Bachelor of Science (BS)
- BS, ICS – UH Mānoa
- BS, ICS Security Science – UH Mānoa
- BS, Computer Engineering – UH Mānoa
- BS, Computer Science – UH Hilo
- BS, Data Science – UH Hilo

Careers
- Software Development & Integration
- Application & Web Developer
- Data Scientist

Middle vertical connectors: Capture the Flag Challenge * Internships * Cyber Security * Gen Cyber / ICT Academy

AS: Associate in Science; ASNS: Associate of Science in Natural Science; APC: Advanced Professional Certificate; CA: Certificate of Achievement; CO: Certificate of Competence; CENT: Computing, Electronics & Networking Technologies; ECET: Electronic & Computer Engineering Technology; ET/ETRO: Electronics Technology; ICS: Information and Computer Sciences; IT: Information Technology

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2,800 INFORMATION TECHNOLOGY JOBS WAITING FOR YOU IN HAWAI'I

Learn more about the career fields that command high wages!

- PROJECT MANAGEMENT
- DATA ANALYTICS
- BUSINESS SALES & MANAGEMENT
- SUPPORT & SERVICES
- CYBER SECURITY
- DEVELOPMENT & INTEGRATION