

ENGINEERING

Established 2018

Sector Impact

The Engineering Sector Partnership is a data-driven workforce development initiative that addresses the shortage of engineering talent in Hawaii. The Sector Partnership unites industry leaders, educators, government officials and community partners to collaboratively strengthen and expand Hawaii's Kindergarten-to-Career talent pipeline. HI Department of Education high schools have dedicated career pathways to prepare students for degree programs and careers.

Employers Engaged

104

Partner School Engineering Pathway Enrollment

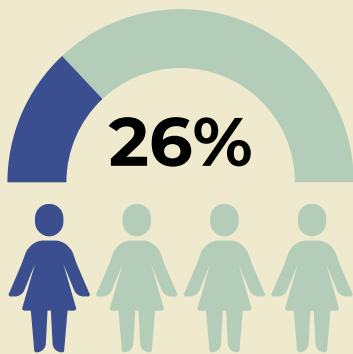
405

+72% from SY 20-21

Partner School College of Engineering Enrollment

140

+21% from SY 22-23



26%

Overall Female Pathway Enrollment

+8% from SY 20-21



Year Over Year Engineering Pathway Impact: Campbell Complex

362% Increase



SY 20-21 SY 24-25

Pathway Enrollment

517% Increase



SY 20-21 SY 24-25

Calculus Completers

200%



Increase since SY 22-23

UH CoE Enrollment

Partner Schools



Final Year



Incoming SY 25-26



Priority Workgroups

Career Awareness

Women in STEM

Math Readiness

Talent Recruitment and Retention

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Workgroup Accomplishments

Talent Recruitment and Retention

Kama'aina Come Home, the flagship program of the Talent Recruitment and Retention workgroup, addresses workforce shortages through connecting Hawaii-born engineering talent working/studying on the continent with a network of local engineering professionals who can support their transition to a career at home.

Career Awareness

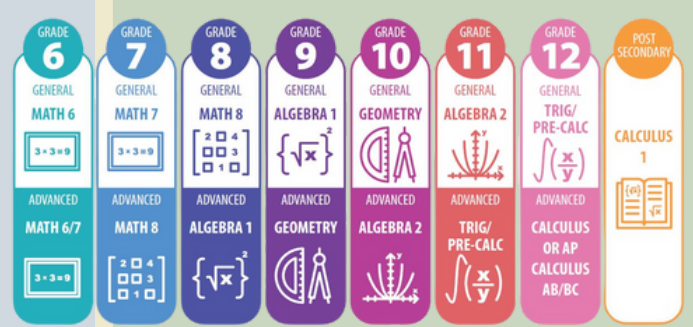
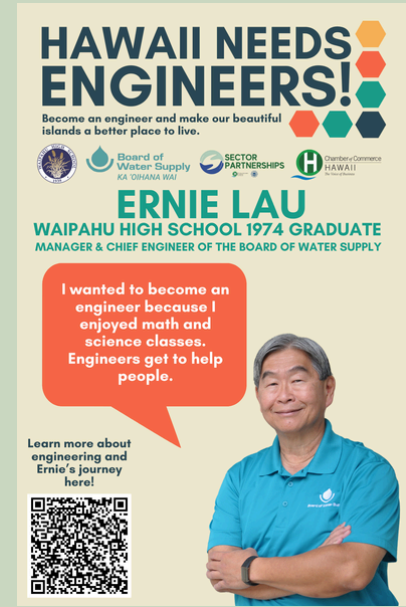
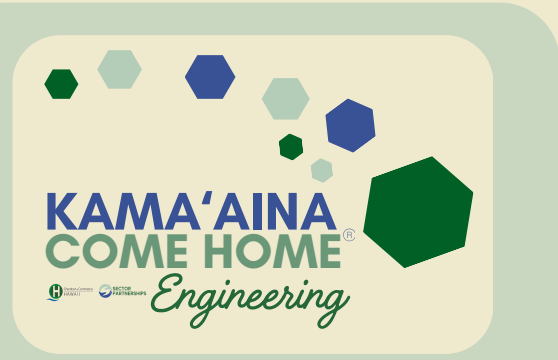
The Career Awareness workgroup seeks to promote engineering careers among elementary and middle school students with the goal of increasing pathway enrollment at partner schools. This year, the workgroup focused on creating and distributing posters featuring high school alumni and their pathway to becoming engineers, inspiring students to envision themselves in the engineering profession.

Women In STEM

The Mana Wahine Panel is the signature program of the Women in STEM workgroup. Female engineers speak to groups of middle school girls about their personal journeys and how women can thrive in the engineering field. The panel spoke to over 80 students in 2024.

Math Readiness

The math readiness workgroup works with educators and students to ensure that high schoolers are prepared to enter degree programs and careers in engineering. Their work has led to the evolution and advancement of partner school's curricular offerings in math.



Recommended Math Pathway



MAHALO TO

OUR SECTOR PARTNERSHIPS STEERING COMMITTEES

Engineering

Brian Bowers, **Bowers + Kubota Consulting**
Amy Matsushima, **Bowers + Kubota Consulting**
Kathleen Chu, **Bowers + Kubota Consulting**
Irene Ma, **Bowers + Kubota Consulting**
Derek Mukai, **Community Planning & Engineering, Inc.**

Ikaika Kincaid, **Conсор**
Cheryl Yoshida, **C Yoshida LLC**
Kevin O'Connell, **GPRM Prestress, LLC**
Ryan Char, **G70**
Daniel Masutomi, **Hawaiian Telcom**
Brennon Morioka, **UH College of Engineering**

Healthcare

Jason Chang, **The Queen's Health Systems**
Jennifer Diesman, **HMSA**
Carl Hinson, **Hawaii Pacific Health**
Gary Kajiwara, **Kuakini Health System**
Emmanuel Kintu, **Kalihi-Palama Health Center**
Michele McConnell, **Diagnostic Laboratory Services Hawaii**

Laurie Yuen, **REHAB Hospital of the Pacific**
Wes Lo, **Ohana Pacific & Hale Makua Health Services**
Tim Pffingsten, **Adventist Health Castle**
Hilton Raethel, **Healthcare Association of Hawaii**
Nadine Tenn Salle, **Hawaii Independent Physicians Association**

Technology

Ryan Field, **Bank of Hawaii**
Ed Barnabas, **Booz Allen Hamilton**
Greg Hester, **CIO Council & Ulu HI-Tech**
Jodi Ito, **CyberHI & University of Hawaii**
Eddie Ontai, **DataHouse**
Karen Yamamoto, **DRC**
Peter Lewis, **Hawaii Pacific Health**

Jen Sabas, **Hawaii Defense Alliance**
Deena Tearney, **Pacific Point**
Amberlene Thompson, **Pacxa**
Elden Ito, **RVCM**
Leslie Wilkins, **MEDB STEMworks**
Garret Yoshimi, **University of Hawaii**
Wayne Inouye, **HTDC**

Creative Industries

Tui Scanlan, **IATSE Local 665**
Kathy Fujiwara, **Tori Richard**
Lori Lum, **Anthology FINN Partners**
Beckie Stocchetti, **Hawaii International Film Festival**
Chase Conching, **Library Creative**
Jess Cole, **JessColeFilms**
Solomon Enos, **HiSam Artist in Residence**
Kenny Burke, **Mad Dog KB Films**
Katie Doyle, **KatieDoyleCasting**

Chris Mapes, **Escape Velocity Media**
Ed Lallier, **Vanta Games**
Todd Robertson, **Hyperspective**
Mericia Palma Elmore, **SAG-AFTRA Local**
Ryan Gonzalez, **Kanaeokana**
Jamie Hartnett, **Hawaii Association of Broadcasters**
Robyn Keeney, **Hawaii News Now**
Meredith Desha Enos, **Kanaeokana**
Chanel Tsutsue, **AIO/Library Creative**

Clean Energy

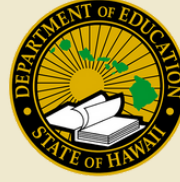
Douglass Adams, **County of Hawai'i, Research & Development**
Keoni Ford, **DibsHawaii**
Christina Kaser, **County of Kaua'i, Economic Development**
Mireya Norman, **Hawai'i Energy**
Gwen Yamamoto Lau, **Hawai'i Green Infrastructure Authority**
Rocky Mould, **Hawai'i Solar Energy Association**
Edmund Aczon, **Hawaii Carpenters Apprenticeship and Training Fund**
Nani Miyashiro, **Hawaiian Electric**

Eric Enos, **Ka'ala Farm**
Danielle Duckie Irwin, **Mākaha Learning Center**
Pauline Sato, **Mālama Learning Center**
Katie Taladay, **Maui Economic Development Board**
Doug Rogers, **Moss & Associates, LLC**
Dennis Teranishi, **PICHTR**
Tehani Kaalekahi, **Sustainable Moloka'i**
Aaron Yamasaki, **Swinerton**
Caroline Julian-Freitas, **Ulupono Initiative**



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OUR FUNDERS & PARTNERS



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COMMUNITY COLLEGES



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HAWAII



HAWAII P-20
Partnerships for Education
Spark. Transform. Excel.



HAWAII STATE ENERGY OFFICE



HAROLD K.L. CASTLE FOUNDATION



STUPSKI FOUNDATION



UNIVERSITY of HAWAII
SYSTEM



2025 CONVENING TEAM



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COMING SOON:
Transportation Sector Partnership
May 2025