



**THE ENGINEERING TECHNOLOGY PROGRAM** involves the hands-on application of technical expertise to engineering tasks in a wide range of industries. From building our nation's infrastructure to making our transportation and energy systems more efficient, wherever scientists and engineers are found, so are engineering technicians and technologists. Engineering techs may assist the setting up equipment, conducting experiments, and collecting data, or involved in the design and development end of the process using computer-aided design and drafting (CADD) equipment. Students will also gain knowledge in data gathering methodologies including remote sensing systems, optics and GIS technology.

## Entry Requirements

Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

SUBJECT AREA	MINIMUM PLACEMENT INTO COURSE
Mathematics	Math 82X
Reading	Eng 102
Writing	Eng 100 or Eng 100E

## Program Learning Outcomes

Upon successful completion, students are prepared to:

- Using computational and reasoning skills, demonstrates entry-level skills for accuracy in drawing and/or maps and identifies the relationship of features to demonstrate visualization proficiency.
- Formulate, design, revise, and construct projects utilizing prior knowledge research and other resources to defend, explain, and discuss.
- Design and generate Architectural documents, Engineering documents and GIS maps using two-dimensional and three-dimensional CAD programs.
- Demonstrate operational competence in using surveying hand tools and equipment.
- Demonstrate operational competence in using Unmanned Aerial Systems.
- Illustrate within the design process an understanding of the balance between cultures.



# Estimated Cost of Attendance

Associate of Applied Science in Engineering Technology (ENGT)

## Contact

### Faculty

**Donna Pacheco**

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Email: deluz@hawaii.edu

For more information visit

[hawaii.hawaii.edu/aec](http://hawaii.hawaii.edu/aec)

### Hawai'i Community College

#### Manono Campus

1175 Manono Street

Hilo, Hawaii 96720-4091

Phone: (808) 934-2800

Fax: (808) 934-2501

[www.hawaii.hawaii.edu](http://www.hawaii.hawaii.edu)

#### Pālanuui Campus

73-4225 Ane Keohokalole Hwy.

Kailua-Kona, HI 96740

Phone: (808) 969-8800

### Information Center

MC Bldg 378-5

Phone: (808) 934-2800

Fax: (808) 934-2501

Email: [hawccinf@hawaii.edu](mailto:hawccinf@hawaii.edu)

### Admissions & Records

MC Bldg 378-5

Phone: (808) 934-2710

Fax: (808) 934-2501

Email: [hawccar@hawaii.edu](mailto:hawccar@hawaii.edu)

### Financial Aid

MC Bldg 378-5

Phone: (808) 934-2712

Fax: (808) 934-2711

E-mail: [hawccfao@hawaii.edu](mailto:hawccfao@hawaii.edu)

### Counseling, Advising & Support Services Center

**Karen Crowell, Counselor MC**

Bldg 387-108

Phone: (808) 934-2724

Email: [kcrowell@hawaii.edu](mailto:kcrowell@hawaii.edu)

Semester Course(s) and Credits	Description	Cost
<b>Fall 2025</b>		
<b>EngT 100</b> - Drafting ConventionsLPR (4)	<b>Resident Tuition:</b> \$131/credit (15 credits) + \$30 fees	\$1965 + \$30 = \$1995
<b>EngT 107</b> - Unmanned Aerial Systems Flight (4)	<b>Book:</b>	\$142
<b>EngT 112</b> - Computer Aided Drafting (3)	<b>Laptop/Drawing Equipment:</b>	\$1,300
<b>EngT 270</b> - Introduction to Geographic Information Systems (GIS) (or <b>GEOG 270</b> ) (4)		
		<b>Estimated Total</b> <b>\$3437</b>
<b>Spring 2026</b>		
<b>EngT 120</b> - Residential Design & Construction (4) Drawings	<b>Resident Tuition:</b> \$131/ credit (15 credits) + \$30 fees	\$1965 + \$30 = \$1995
<b>EngT 129</b> - Geomatics & Land Surveying (3)	No books required	
<b>EngT 275</b> - Spatial Data Management & Analysis (4)		
<b>EngT 291</b> - Rural & Urban Remote Sensing (or <b>AG 291</b> ) (4)		
		<b>Estimated Total</b> <b>\$1995</b>
<b>Fall 2026</b>		
<b>EngT 230</b> - Residential Contract Drawing & Codes (6)	<b>Resident Tuition:</b> \$131/credit (15 credits) + \$30 fees	\$1965 + \$30 = \$1995
<b>EngT 247</b> - Geomatics & Land Surveying II (3)	No books required	
<b>Math 100</b> - Survey of Mathematics or higher (3)	<b>Books:</b> Dependent on specific course	
<b>Natural Environment Elective</b> (3)	<b>Books:</b> Dependent on specific course	
		<b>Estimated Total</b> <b>\$1995</b>
<b>Spring 2027</b>		
<b>EngT 233</b> - Basic Architectural Studio Design (3)	<b>Resident Tuition:</b> \$131/credit (15 credits) + \$30 fees	\$1965+ \$30 = \$1995
<b>EngT 234</b> -Architectural Design Software (3)	No books required	
<b>English 100</b> - Composition I (3)	<b>Books:</b> Dependent on specific course	
<b>Cultural Environmental Elective</b> (3)	<b>Books:</b> Dependent on specific course	
<b>Social Environment Elective</b> (3)	<b>Books:</b> Dependent on specific course	
		<b>Estimated Total</b> <b>\$1995</b>
<b>Total Estimated Cost of Attendance for Hawai'i Resident</b>		<b>\$9,422</b>

**For general inquiries, please call the Hawai'i Community College Information Center at 934-2800 or visit [hawaii.hawaii.edu](http://hawaii.hawaii.edu).**

Hawai'i Community College is an Equal Opportunity Institution.

For disability accommodations, contact Disability Services at (808) 934-2825 or [hawccds@hawaii.edu](mailto:hawccds@hawaii.edu) and allow 5 business days to process requests.