



PERALTA SUMMER INSTITUTE LANEY COLLEGE

CIS 6

INTRO TO COMPUTER PROGRAMMING

June 16 - July 25, 2025 6-week College Course

Day of the Week: MON, WED, THURS **Time:** 1:30PM - 4:30PM **Units:** 5

Location: Hybrid (in person and online) *This class is transferable to UC & CSU*

Our Introduction to Computer Programming course is your key to unlocking the language of computers. Discover the art of algorithm design, flowchart creation, and expert debugging techniques. Whether you're a coding novice or have some experience under your belt, this course will accelerate your journey to becoming a coding wizard! Paired with our Counseling class, you'll explore the impact of your career choices on your quality of life and craft a personalized career action plan.

***STUDENTS ALSO HAVE THE OPPORTUNITY TO JOIN THE HACK THE HOOD PROGRAM**



Apply online !

WWW.PERALTA.EDU/DUAL-ENROLLMENT/SUMMER-INSTITUTE

For more info contact program coordinator Kim Gonzalez ✉ Laney-CTE@peralta.edu





Ready to level up your tech skills?

Hack the Hood Summer 2025 Program

Enjoy a full summer program that includes:

- Being part of small group of Hack the Hood students
- Support to complete the CIS 6 - Intro to Computer Programming at Laney College
- Lots of perks!

Whether you're brand new to coding or already have some experience, this program will help you build skills for the future. You'll learn to code, design algorithms, and debug like a pro, get hands-on experience with real programming tools, cConnect with mentors and explore careers in tech.

Program Perks:

- Free Laptop & \$500 Stipend – Supporting accessibility to technology
- Technical & Socio-Technical Skill Building – Industry-aligned training and mentorship
- Career Exploration Panels, Workshops & Company Tours – Direct industry exposure
- Social-Technical Curriculum – Developing skills for ethical and impactful tech work
- 5 Units of UC/CSU Transferable College Credit – By completing Laney's Introduction to Computer Programming [CIS 6]

	Dates	Day of Week	Group Work	Final Project	Program Completion	Stipend
Hack the Hood Activities	June 9th - Aug 29th 12 Week Program	Virtual Mon and Thurs 10:30 AM - 12:30 PM	Tue or Wed Virtual 10am-12pm 1am-1pm 1pm-3pm 2pm-4pm <i>*You choose the day and time slot best for you!</i>	Aug 4th - Aug 28th Virtual Weekly Meet Up with group at <i>*chosen after school time</i>	August 29th In person graduation 4:30-7:00 pm	\$500
CIS 6 Classtime	Jun. 16th to Jul. 25th	In-person Mon and Thurs 1:30 PM - 4:30 PM			July 24th, 2025	

Attend the Laney College CTE Open House for an information session into both programs and obtain enrollment support.

*Students can choose to enroll in one of the two programs and receive the corresponding stipend, or complete both programs to earn both stipends.

CTE Open House

Date: Saturday, April 26th, 2025

Time: 10 AM - 1PM

Location: Laney College, 900 Fallon St, Oakland CA 94603

Apply online !

WWW.PERALTA.EDU/DUAL-ENROLLMENT/SUMMER-INSTITUTE

MC3 Summer Construction Pre-Apprenticeship ACOE - Laney College

Program Information

Dates: June 16th until July 24th, 2025, Monday - Thursday

Stipend: \$1,200 if student have great attendance

Times:

- 7:00am - 12:40pm Monday - Wednesday
- 7:00am - 1:30pm Thursday

Daily agenda:

- Crossfit/P.E.
- Construction/ Trades class
- Mentorship (on Thursdays)



Application - First come, first served*

- **04/16 Wednesday - 4:00pm - 5:30pm - Room F170**

REQUIRED Session: Students will be supported to complete CCC Apply

- **04/26 Saturday - 10:00am - 1:00pm - Room G160**

REQUIRED Session: Students will be supported to enroll in Summer coursework

* You are required to be present on both application dates. Be there on time; there are only 25 seats available for this program. **On 4/26 passes will be provided only to the first 25 students who show up.**

Address: Laney College - 900 Fallon St, Oakland, CA 94607



Laney College
DREAM. FLOURISH. SUCCEED.



Career &
Technical
Education

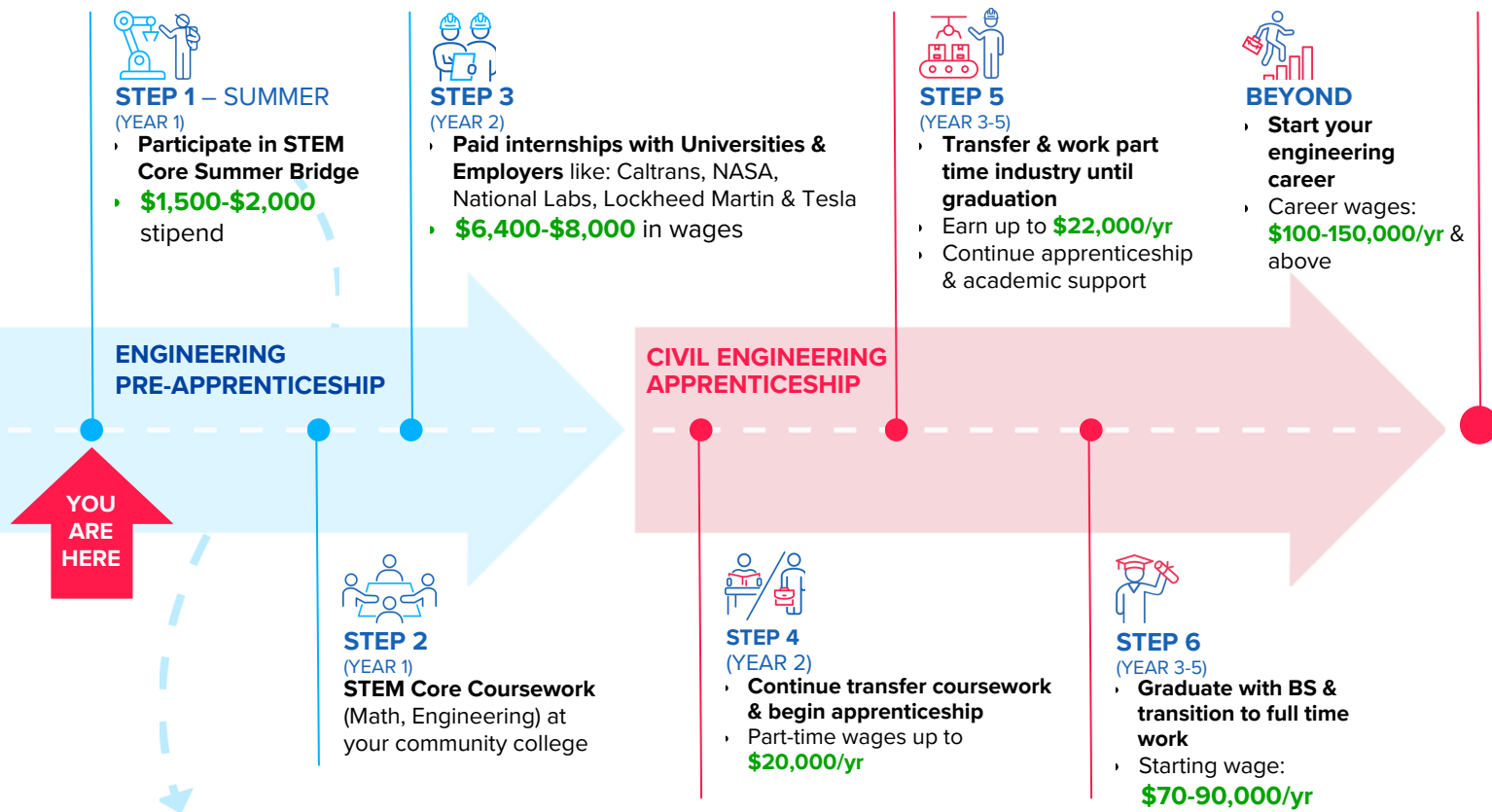
Questions? Reach out to Renata Leal - rleal@acoe.org or Luis Galvan - lgalvan@acoe.org

STEM Core Summer Bridge Program



Take the first step on your path to an **engineering degree** and a rewarding, **high paying career!!!**

The **STEM Core Engineering Career Pathway** is a year-round, multi-year, paid pathway designed to transition students to university transfer, BS Degree in engineering, and ultimately an engineering career. The **Engineering Pre-Apprenticeship** steps include multiple opportunities for students to gain skills, financial support, academic help, and paid engineering work experience. Take advantage of the opportunity to build your skills, boost your resume, and unlock numerous full-time engineering career opportunities such as the **Civil Engineering Apprenticeship** pathway.



This **FREE** 6-week **PAID** Summer Bridge program held **June 30-August 7th** is designed to strengthen your math skills for calculus, offer career and professional development opportunities, and connect you with like-minded peers who share an interest in pursuing an engineering pathway.



Scan QR or Email laney-stemcore@peralta.edu for more information!

What is Engineering?

Engineers change the world and are often the driving force behind so many innovations.

Engineers design and create products, buildings, and structures that are essential to everyday life. At its core, engineering is about building, creating, and improving areas like technology, products, healthcare, architecture, etc. To become an engineer, students need a combination of science, math, critical thinking, and problem-solving skills.

Studying engineering helps students develop a mindset focused on tackling problems and finding creative solutions. It fosters critical thinking and encourages a growth mindset. Ultimately, engineering empowers them to make a real impact and change the world!

Civil Engineering



is the **design, construction, and maintenance** of the physical environment, including public works. Civil engineers work on a variety of projects, from roads and bridges to dams and sewage systems.

Mechanical Engineering



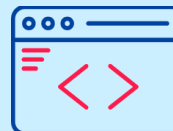
focuses on designing, building, and maintaining machines and mechanical systems. This field tackles diverse projects ranging from vehicles to machines and consumer products.

Electrical Engineering



design, develop, test, and oversee the production of electrical equipment. They also design electrical systems for vehicles like cars and aircraft.

Software Engineering



use programming languages and engineering principles to **create software solutions** for users. They design, build, and maintain software for a variety of applications, including computer games, operating systems, and business software.

California Department of Transportation (**CALTRANS**) is actively hiring engineers with experience and skills in electrical, mechanical, and computer engineering!

STEM Core: Programa de Verano



¡Da el primer paso en tu camino hacia un **título en ingeniería**, una carrera gratificante y **bien pago!**

El Camino Profesional de Ingeniería del STEM Core es un programa compensado, de varios años y disponible todo el año, diseñado para hacer la transición de los estudiantes hacia la transferencia universitaria, el título de licenciatura en ingeniería y, finalmente, una carrera en ingeniería. Los pasos del Pre-Apprenticeship de Ingeniería incluyen múltiples oportunidades para que los estudiantes adquieran habilidades, apoyo financiero, ayuda académica y experiencia laboral en ingeniería. Aprovecha la oportunidad de desarrollar tus habilidades, mejorar tu currículum y desbloquear numerosas oportunidades de carrera a tiempo completo en ingeniería, como el camino hacia el Aprendizaje en Ingeniería Civil.



STEP 1 – VERANO (AÑO 1)

- Participa en el Programa de Verano **STEM Core Summer Bridge**
- **\$1,500-\$2,000** en Becas



STEP 3 (AÑO 2)

- Prácticas pagadas con universidades y empleadores como: Caltrans, NASA, National Labs, Lockheed Martin & Tesla
- De **\$6,400-\$8,000** en salarios



STEP 5 (AÑO 3-5)

- Transferirse y trabajar a tiempo parcial en la industria hasta la graduación
- Ganar hasta **\$22,000/año**
- Continuar con el aprendizaje y el apoyo académico



EN EL FUTURO

- Comienza tu carrera en ingeniería
- Salario en carrera: **\$100-150,000/año** y mas

**INGENIERÍA
PRE-APRENDIZAJE**

**ESTÁS
AQUÍ**



STEP 2 (AÑO 1)

STEM Core Coursework
(Math, Engineering) en tu colegio



STEP 4 (AÑO 2)

- Continuar con los cursos de transferencia y comenzar el aprendizaje
- Salario a tiempo parcial de hasta **\$20,000/año**

**CIVIL ENGINEERING
APPRENTICESHIP**



STEP 6 (AÑO 3-5)

- Graduarse con el título de BS y hacer la transición a un trabajo a tiempo completo
- Salario inicial: **\$70-90,000/año**

Este programa **GRATUITO** de 6 semanas remuneradas de Puente de Verano está diseñado para fortalecer tus habilidades en matemáticas para cálculo, ofrecer oportunidades de desarrollo profesional y de carrera, y conectarte con compañeros de ideas afines que comparten el interés de seguir un camino en ingeniería.



¡Escanea el código QR o envía un correo a laney-stemcore@peralta.edu para más información!

¿Qué es la ingeniería?

Los ingenieros cambian el mundo y, a menudo, son la fuerza impulsora detrás de tantas innovaciones.

Los ingenieros diseñan y crean productos, edificios y estructuras que son esenciales para la vida cotidiana. En esencia, la ingeniería consiste en construir, crear y mejorar áreas como tecnología, productos, atención médica, arquitectura, etc. Para convertirse en ingeniero, los estudiantes necesitan una combinación de ciencias, matemáticas, pensamiento crítico y habilidades de resolución de problemas. Estudiar ingeniería ayuda a los estudiantes a desarrollar una mentalidad centrada en abordar problemas y encontrar soluciones creativas. Fomenta el pensamiento crítico y fomenta una mentalidad de crecimiento. En última instancia, ¡la ingeniería les permite generar un impacto real y cambiar el mundo!

Ingeniería civil



es el **diseño, construcción y mantenimiento** del entorno físico, incluidas las obras públicas. Los ingenieros civiles trabajan en una variedad de proyectos, desde carreteras y puentes hasta presas y sistemas de alcantarillado.

Ingeniería Mecánica



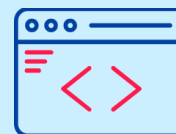
se centra en el **diseño, construcción y mantenimiento de máquinas y sistemas** mecánicos. Este campo aborda diversos proyectos que van desde vehículos hasta máquinas y productos de consumo.

Eléctrico Ingeniería



diseñar, desarrollar, probar y supervisar la producción de equipos eléctricos. También diseñan sistemas eléctricos para vehículos como automóviles y aviones.

Ingeniería de Software



utilizar lenguajes de programación y principios de ingeniería **para crear soluciones de software** para los usuarios. Diseñan, crean y mantienen software para una variedad de aplicaciones, incluidos juegos de computadora, sistemas operativos y software empresarial.

¡El Departamento de Transporte de California (CALTRANS) está contratando activamente ingenieros con experiencia y habilidades en ingeniería eléctrica, mecánica y computación!