



The Academies of James Campbell High School

Academy of Science, Technology, Engineering, Arts, & Mathematics (STEAM)

Pathway: AP Computer Science (Programming)

Recommended Program of Study

SUBJECT	9 th Grade	10 th Grade	11 th Grade	12 th Grade
CTE	Foundations of Computer Systems & Technology	AP Computer Science Principles	AP Computer Science Applications	Programming Work-Based Learning
MATH	Algebra I	Algebra II	Geometry	Trigonometry / Pre Calculus or AP Calculus
ENGLISH	English Language Arts 1	English Language Arts 2	English Language Arts 3	English Language Arts 4
SOCIAL STUDIES	Modern History of Hawaii & Participation in Democracy	World History	US History	Psychology & Sociology
SCIENCE	Physical Science	Biology	Chemistry or Physics	Chemistry or Physics
Course 6 (math pairings)	Math Workshop (paired with Algebra 1)	Math Workshop (paired with Algebra 2)	Math Workshop (paired with Geometry) or Trigonometry/Pre Calculus (paired with Geometry)	Calculus (paired with Trig/Pre Calculus or AP Calculus)
Course 7	PE Fitness & PE Lifetime Activities	Health & Guidance	World Language 1	World Language 2
Course 8	ELA Workshop (paired with ELA 9)	Programming 1 (paired with AP Comp Sci Principles)	Programming 2 (paired with AP Comp Sci Applications)	Programming 3

Graduation Honors

Academic Honors: Requires 4th Science, 4th Math (higher than Algebra 2), 3.0 cumulative GPA or higher, Combination of 2 AP/IB/EC

CTE Honors: Completion of Program of Study, 3.0 cumulative GPA or higher, B or better in each required Program of Study, Meet or Exceed proficiency on performance-based assessments for Program of Study.

STEM Honors: Requires 4th Science, 4th Math (higher than Algebra 2), 3.0 cumulative GPA or higher, completion of STEM Capstone Project.

Work-Based Learning Experiences

Digital Portfolio | Mock Interview | Resume | Application | Career Fair | Post-Secondary Research | Financial Literacy Module | Community Service (20 hours) | ACT | Extra or Co-curricular Activities | Scholarship / Financial Aid Applications | Personal Statement | Post-Secondary Tour | Post-Secondary Application | Pathway Field Trip | Senior Project

Post Secondary Curriculum

Apprenticeship/On The Job Training:	Good jobs Hawaii
Associate's Degree	Leeward Community College: ICS (Information and Computer Science) HonoluluCommunity College: CSNT (Computing, Security & Networking Technology)
Bachelor's Degree and higher	University of Hawaii at Manoa: Information and Computer Science University of Hawaii at West Oahu: Information Technology Hawaii Pacific University: Department of Computer Science

High Wage-High Skill-High Demand Careers

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