

Cloud Computing and Computer Science Academy Proposal

Information Report No. 2

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Cloud Computing and Computer Science Academy (An Early College Model)

- K12 Strong Workforce Program Grant
- College and Career Access Pathway partnership agreement with Glendale Community College
- Science, Technology, Engineering, and Mathematics (STEM)





Labor Market Information

The Los Angeles/Orange County Centers of Excellence data related to cloud computing and Amazon Web Services (AWS).

- 83,010 job postings in the last 12 months for the 10 occupations associated with cloud computing in Los Angeles/Orange County region.
- 12% job growth through 2022



Academy Details

If Board approved:

- First cohort of 25-30 students would begin in Fall 2021.
- Academy would begin in the 9th grade at Glendale High School.
- Majority of the college courses would be taken during the school day.
- Application would open in March for all current GUSD and non-GUSD 8th grade students.



Academy Details (continued)

The academy would provide:

- Guided STEM pathway from Middle School to High School
- Minimize challenges into postsecondary education
- Opportunities for post-secondary opportunities for traditionally underrepresented groups





Academy Details (continued)

Students would:

- Earn a high school diploma
- Earn a certificate in cloud computing
- Complete college course requirements to transfer to a UC/CSU for STEM majors
- Earn industry certificate/credentials



Four-Year Plan

Includes:

- High School & A-G requirements
- Cloud computing and computer science certificate courses
- General education pattern college courses required for STEM majors to transfer to UC/CSU



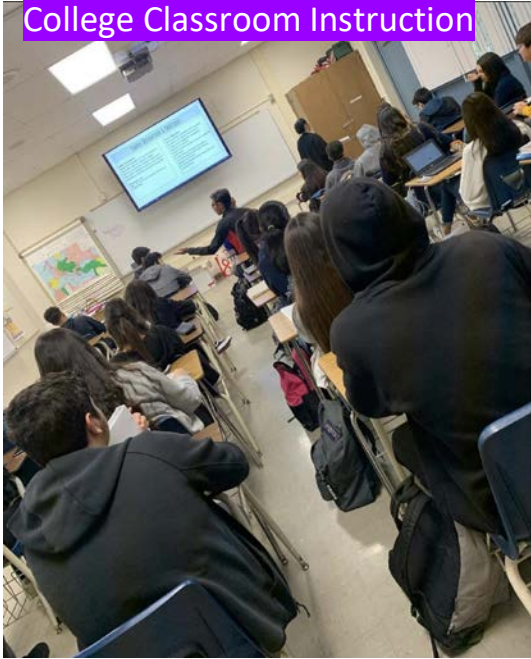


Four-Year Plan

Subject	Summer	9th grade	10th Grade	Summer	11th Grade	Summer	12th Grade
English		HS English	HS English		HS English		HS English
Math		HS Math	HS Math		HS Math	GCC Math	HS Math
Social Studies			GCC History 141		GCC History 118 & Humanities 115		GCC Fall Political Science 101 & GCC Winter Econ 102
Electives and/or CS/IS Pathway Courses	GCC CS/IS 101	GCC CS/IS 240, GCC Speech 101 & Health (HS)	GCC CS/IS 241 & GCC CS/IS 242	GCC Student Development		GCC Student Development	
PE/Sport		PE or Sport team	PE or Sport team		HS Language Course, sport or VAPA/CTE		HS Language Course, sport or VAPA/CTE
Science		HS Science	HS Science		HS Science		
Electives	GCC Student Development	HS Language Course or VAPA/CTE	HS Language Course or VAPA/CTE		CS/IS 243 & CS/IS 112		CS/IS 190, CSIS 135 & GCC General Education Transferable Course(s)

Early College Academy-Hoover High School

College Classroom Instruction



Restorative Circles-Study Hall



GCC Dual Enrollment Counselor
session-Study Hall



- ★ Cohort 1-Class of 2022 (48 students)
- ★ Cohort 2-Class of 2023 (44 students)

Early College Academy-Hoover High School

- Program success
- Cohort 1 Course Success from Summer 2019-Fall 2020
 - 91% success in all College Courses



Student Support Services

- Counseling
- Individual Learning Plan
- Interventions
- Social Emotional Support
- Access to college resources





Program Impact on GUSD Teachers

- MOU between GUSD and GCC-The College and Career Access Pathway Partnership Agreement (CCAP)

- Section 3.2 Certification: No Displacement of Faculty:

GUSD Certifies that no existing high school teacher who was teaching the same course on the high school campus offered under this Agreement has been displaced or terminated because a community college instructor is teaching that same course. GCCD certifies that a qualified high school teacher teaching a course offered for college credit at a high school campus has not displaced or resulted in the termination of an existing community college faculty member teaching the same course at the partnering community college campus.

WHY at GHS?

- GHS has a pattern of declining enrollment
 - 493 students (19%) over the past 6 years
 - Innovative programs increase enrollment
- Provide a guided path from Cerritos/Edison ES, Roosevelt/Wilson MS to GHS



Next Steps

- Marketing
- Program application
- Presentations
- Permit guidelines
- Scheduling
- Equipment and infrastructure preparation
- Action item





Questions?