



12/1/20

**College Curriculum Committee
Meeting Minutes
Tuesday, February 2, 2021
2:00 p.m. – 3:30 p.m.
Meeting held virtually via ConferZoom**

Item

Starer was involved in GE mapping, and noted Pipe Trades selected due to the program's rigor being analogous to the rigor of programs on campus, which is not necessarily true for other Apprenticeship programs. Would like to discuss the college expanding their understanding of what an associate

1. 1SS Curriculum Rep
2. Curriculum Coordinator
3. Activation

Course Proposal Form

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CCC Notification of Proposed Prerequisites/Co-Requisites

The following courses are currently undergoing review for requisite additions or changes. Please contact the Division Curriculum Rep if you have any questions or comments.

Target Course Number & Title	COR Editor	Requisite Course Number & Title	New/Ongoing
C S 1M: Intermediate Algorithm & Data Structure Methodologies in Java C S 10: Computer Architecture & Organization	A. Venkataraman	Prereq: C S 1A (Object-Oriented Programming Methodologies in Java)	Ongoing

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Foothill College
Credit Program Narrative
Certificate of Achievement in Education Technology Specialist

Item 1. Program Goals and Objectives

The Certificate of Achievement in Education Technology Specialist is designed for pre

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Core Courses (7 units)	LINC 50	Technology in the K12 Classroom I	1	Year 1, Fall
	LINC 82B	Developing Instructional Materials	3	Year 1, Fall
	LINC 82C	Creating Interactive Media for Instruction	3	Year 1, Winter
Restricted Electives (select 5 units)	LINC 50A	Technology in the K12 Classroom II		

edtech has become more dynamic and diverse in the tools that are available to an educator. A recent Gallup and NewSchools Venture Fund study found that 89% of all students use digital learning tools at least a few times per week. The same study found that 81% of teachers, 88% of principals, and 92% of all administrators see great value in using digital learning tools in the classroom [1].

In 2018, PricewaterhouseCoopers released a survey that focused on technology in US schools. The results indicated that many teachers in the US do not have adequate training or experiences using technology in the most effective ways. More specifically, only 10% of K12 teachers feel confident incorporating high-level technology into student learning [2].

[1] Carlson, M. A. C. V. B. J. (2020, December 16). Educators Agree on the Value of Ed Tech. Gallup.Com. <https://www.gallup.com/education/266564/educators-agree-on-value>

LINC 62	Cloud-Based Word Processing Tools	N/A	N/A	1	38
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Net Annual Labor Demand: 111,890116,705 (Bay Region)

Faculty Workload: PT Adjunct faculty load would be between .133 and .266 each quarter (combined with CA in Emerging Education Technology Leadership program)

New Faculty Positions:0

New Equipment: 0

New/Remodeled Facilities:0

Library Acquisitions: 0

Gainful Employment: Yes

Program Review Date: February 2022

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Foothill College
Credit Program Narrative
Certificate of Achievement in Emerging Educational Technology Leadership

Item 1. Program Goals and Objectives

The Certificate of Achievement in Emerging Educational Technology Leadership is designed for experienced educators, trainers, facilitators, school leaders, educational consultants, and educator coaches. This program will expand the capacity for teacher leadership through project learning, focused in emerging technologies. Participants will analyze and apply research in teacher leadership, current educational trends, and cutting technological advancements. Skills learned include identifying high quality technologies to integrate into instruction,

Prerequisite skills in instructional design and use of common educational technologies are highly

Year 1, Fall = 5 units
Year 1, Winter = 5 units
Year 1, Spring = 8 units
TOTAL UNITS: 18

Item 4. Master Planning

Foothill College's mission is to offer equitable programs and services that empower students to achieve their goals and become productive citizens. By offering a Certificate of Achievement in Emerging Educational Technology Leadership, Foothill will provide an invaluable opportunity for educators, coordinators, and instructors at all levels, particularly those who come from underrepresented minority backgrounds as well as edtech entrepreneurs, to establish themselves as current leaders in education technology. These leaders would be empowered to provide culturally responsive instruction and leadership in their organizations. By modeling best practices in education technologies, students in the program will experience opportunities to deepen their understanding of the way emerging trends and cutting edge technologies can be used in the classroom to enhance instruction and improve engagement.

Education is an industry that has steadily become more reliant on technology over the decades, with the tools available to educators becoming increasingly more dynamic and diverse. A recent Gallup and NewSchools Venture Fund study found that 89% of all students use digital learning tools at least a few times per week. The same study found that 81% of teachers, 88% of principals, and 92% of all administrators see great value in using digital learning tools in the classroom [1].

In 2018, PricewaterhouseCoopers released a survey that focused on technology in US schools. The results indicated that many teachers in the US do not have adequate training or experiences using technology in the most effective ways. More specifically, only 10% of teachers feel confident incorporating high level technology into student learning [2].

Most recently, in the summer of 2020, Digital Promise and Google for Education released a report focusing on the value of Edtech Coaches in the classroom, particularly during the shift to distance learning due to COVID-19. These findings indicated that Edtech coaches played a key role as their districts and schools moved to online learning. The majority (77%) of all Edtech Coaches

Item 5. Enrollment and Completer Projections

LINC 80B	Multimedia in the Classroom II	2	62	1	61
LINC 81	Using Digital Images	1	64	1	35
LINC 82A	Introduction to Designing Instructional Technology Projects	1	44	N/A	N/A
LINC 90C	Online Collaboration Tools	1	35	2	57
LINC 95C	Assessment Strategies for Technology Education	N/A	N/A	1	31
Totals (using current enroll#)		17	659	16	646

Item 6. Place of Program in Curriculum/Similar Programs

Currently, Foothill College offers the Certificate of Achievement in Instructional Design and Technology. This 27-unit program provides a broad spectrum overview of instructional design, with particular focus on multimedia, graphic arts, and web design. No certificate in existence, but proposed, is a Certificate of Achievement in Education Technology Specialized. This Certificate of Achievement in

New Equipment: 0

New/Remodeled Facilities 0

Library Acquisitions: 0

Gainful Employment: Yes

Program Review Date: February 2022

Distance Education: 50-99%

Foothill College
Credit Program Narrative
Certificate of Achievement in STEAM Instructional Leadership

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Core Courses (9 units)	LINC 53	Integrating Technology into Mathematics	1	Year 1, Fall
	LINC 63	Cloud-Based Data Analysis Tools	1	Year 1, Spring
	LINC 88	Introduction to Computer Operating Systems	4	Year 1, Winter
	LINC 91A	Introduction to Assessing Instructional Technology		

Democratic societies [1]. Black and Hispanic workers are underrepresented in the STEAM workforce, with Black workers representing 9% of the STEAM workforce and Hispanic workers making up only 7% while combined they make up 27% of the total workforce [2]. There is a systemic need for programs to provide underrepresented minority educators with an opportunity to become leaders in STEAM education. This certificate will enable educators, coordinators, instructors, particularly those of color, to establish themselves as thought leaders in STEAM education and engage in culturally responsive practices within this field.

In 2018, a report released by the Society for College and University Planning stated the importance of community colleges in tackling workforce development in STEAM, particularly focusing on the California Community College System. If coordinated properly, the CCCS could alleviate the problem and develop programs that diversify and grow the STEAM workforce [3]. Upon completion of the STEAM Instructional Leadership program, students will be able to provide high quality STEAM instruction, as well as high quality workshops and webinars on best practices of STEAM instruction.

[1] Henrich, J. (2010, June 15). The weirdest people in the world? | Behavioral and Brain Sciences Cambridge Core. <https://www.cambridge.org/core/journals/behavioral-brain-sciences/article/weirdest-people-in-the-world/BF84F7517D56AFF7B7EB58411A554C17>

[2] Funk, C., & Parker, K. (2020, May 30). Diversity in the STEAM workforce varies widely across jobs Pew Research Center's Social & Demographic Trends Project. <https://www.pewsocialtrends.org/2018/01/09/diversity-in-the-steam-workforce-varies-widely-across-jobs/>

[3] Monis, I. (2018). Designing for STEAM: California Community Colleges Are Helping Shape the STEAM Workforce of the Future. *Planning for Higher Education*, 47, 32+.

Item 5. Enrollment and Completer Projections

In the first year, there are projected to be 30 students who complete the certificate. After the first year, there will be two cohorts of 30 students. After five years, approximately 270 students will have completed the program. This projection is based on data from student participation in the Krause Center for Innovation's FAME and EMPOWER programs over the past decade.

Course #	Course Title	Year 1 (18-19)		Year 2 (19-20)	
		Annual Sections	Annual Enrollment	Annual Sections	Annual Enrollment
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LINC 50A	Technology in the K12 Classroom II	N/A	N/A	N/A	N/A
LINC 50B	Technology in the K12 Classroom III	N/A	N/A	N/A	N/A
LINC 53B	Integrating Technology into Mathematics Grades 6-8	N/A			

Education Technology Occupations Labor Market Information Report Foothill College

Prepared by the San Francisco Bay Center of Excellence for Labor Market Research
February 2021

Recommendation

included in Teachers and Instructors, All Other (3092) Excludes Career/Technical Education Teachers,

Educational Supply

There is a one (1) community college in the Bay Region issuing 3 awards on average annually (last 3 years ending 2018-19) on TOP 0860.00 Educational Technology. In the Silicon Valley Region, there are no community colleges issuing awards on average annually (last 3 years) on this TOP. There are no other CTE educational institutions in the Bay Region issuing awards on average annually (last 3 years ending 2017) on TOP 0860.00 Educational Technology.

Table 7. Community College Awards on TOP 0860.00

Skill	Posting	Skill	Posting
Child Care	375	Customer Service	208
Progress Reports	375	Faculty Training	201
Educational Programs	355	Staff Development	199
Biology	353	Empower	190
Curriculum Development	352	Data Analysis	186
Chemistry	318	Working with Undeserved Students	

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