

PROGRAM APPROVAL APPLICATION
NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED
(This application may not exceed 3 pages)

Fill In Form

Child Development - Science & Math Integration	Fall 2018
Proposed Program Title	Projected Program Start Date
Pasadena City College	Pasadena City College
College	District

Contact Information

Dr. Rocky Cifone	Dean, Business, Engineering & Technology
Voting Member	Title
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Phone Number	Email

Goal(s) of Program (Check all that apply):

- Career Technical Education (CTE) Transfer Other

Type of Program (Check all that apply):

- Certificate of Achievement 12-17 (or 17-27 quarter) units Certificate of Achievement 18+ semester (or 27+ quarter) units
 Associate of Science Degree Associate of Arts Degree

Reason for Approval Request (Check One):

- New Program Substantial Change Locally Approved

Program Information

1305.03 Recommended [Taxonomy of Program \(TOP\) Code](#)

_____ Units for Major-Degree

_____ Total Units for Degree

36 units Required Units-Certificate

Written Form

1. Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)

The field of child development/early childhood education studies involves the study of the developmental patterns and learning theories of children from birth to age twelve. The Certificate of Achievement Child Development Science and Math Integration prepares students to incorporate science, technology, engineering and mathematical (STEM) concepts into the classroom.

Professionals in this field invoke the term development as a way to understand the child's growth and learning and to inform practice. The Child Development (CHDV) discipline at Pasadena City College offers a curriculum that guides students on various pathways, which may include the attainment of a Transfer Degree (wherein, they can transfer to a 4-year institution and obtain advanced degrees), or an Associate of Science Degree, and/or a Certificate of Achievement in Child Development that will lead students to immediate career opportunities that can work with infants, toddlers, preschoolers, children with special needs. Courses provide a theoretical foundation and prepare students for careers in Teaching in Early

Care and Education schools such as infant, toddler, preschool, or Pre-K programs, Elementary Schools (public or private), Before-and after-school program, Family Child Care Homes, General Education Settings including parks and recreation programs, Medical Centers/Hospitals as a Child Life Specialist, Private Households, non-profit and governmental agencies concerned with the welfare of children, and Social and Human Service programs. Child Development coursework can also lead to work with elementary and secondary age students in a credentialed teaching position.

2. Provide a brief rationale for the program.

The Certificate of Achievement Child Development Science and Math Integration meets the coursework requirement for the California Child Development Teacher (or Master Teacher) permit issued by the California Commission on Teacher Credentialing for employment in Public School Programs (Title 5) and for employment in community care facilities under Title 22 of the California State Department of Social Services. Additionally, a number of courses (1-99) meet General Education requirements for the Associate in Science Degree and Associate of Science-Transfer Degree. Completion of the Associate in Science in Early Childhood Education for Transfer ensures transfer students will complete the lower division general education requirements as well as many lower division major requirements for a bachelor's degree in Child Development prior to transferring to a 4-year institution.

3. Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)

According to The City of Los Angeles Workforce Development Board, in L.A. County, the ECE industry provides more than 65,000 jobs. This workforce is expected to grow by 3.7% by 2024; however, the number of children is expected to grow by 5%. This discrepancy will create a shortage of roughly 8,500 workers.¹

Projections of Employment by Occupation, 2012 - 2022

Annual Job Openings by Occupation

SOC Code	Occupation Title	2012 Employment	Annual Job Openings*
252011	Preschool Teachers, Except Special Education	14,640	517
259041	Teacher Assistants	35,470	1,126
399011	Child Care Workers	30,740	1,019
	Total	80,850	2662

*Total Job Openings are the sum of new jobs from growth plus net replacements. Annual job openings are total job openings divided by the number of years in the projection period.

Source: <http://www.labormarketinfo.edd.ca.gov/commcolleges/Projections.asp>

4. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact laocrc@rscdd.edu)

College	Program	Who You Contacted	Outcome of Contact
Cerritos College	Child Development/Early Care and Education	Susan Gradin 562-860-2451, ext. 2559	Reached out with a message
Citrus College	Child Development/Early Care and Education	Shelley Hahn 626-914-8876	Left Message
East Los Angeles College	Child Development/Early Care and Education	Michelle Benjamin 323-415-5094	Left Message and received no response
El Camino College	Child Development/Early Care and Education	Dr. Gloria Miranda 310-660-3735	Left Message
Fullerton College	Child Development/Early Care and Education	Patricia Pappas	Reached out with a message/No response

Glendale Community College	Child Development/Early Care and Education	Deborah Owens 818-240-1000, ext.5668	Discussed with Ms. Owens about the Certificate/Positive
Los Angeles City College	Child Development/Early Care and Education	Keli Miller 323-953-4000, ext. 2290	Announced at a regional collaborative meeting/Positive
Los Angeles Harbor College	Child Development/Early Care and Education	K. A. Grgas	Announced at a regional collaborative meeting/Positive
Los Angeles Missions College	Child Development/Early Care and Education	Lilamani De Silva 818-364-7673	Announced at a regional collaborative meeting/Positive
Los Angeles Trade Technical College	Child Development/Early Care and Education	Alicia Rodriguez-Estrada 213-763-3938	Announced at a regional collaborative meeting/Positive
Los Angeles Valley College	Child Development/Early Care and Education	Dr. Elmida Baghdaserians 818-778-5502	Discussed at a local meeting/Positive
Long Beach City College	Child Development/Early Care and Education	Julie Frumkin 562-938-4792	Left Message/No response
Mt. San Antonio College	Child Development/Early Care and Education	Tony Henry 909-274-4645	Left Message/No response
Pasadena City College	Child Development/Early Care and Education		
Rio Hondo College	Child Development/Early Care and Education	Sondra Moe 562-463-7493	Mentioned at a local meeting/Positive
Santa Monica College	Child Development/Early Care and Education	Laura Mason 310-434-8109	Left Message

5. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (There is space for 20 listings, if you need more, please contact laocrc@rscsd.edu). (See PCAH pp. 143 and 171)

Courses	Course Number	Course Title	Units	
Psychology	PSYC 21	Developmental Psychology, The Child	3	
Child Development	CHDV 10	Principles and Practices of Teaching Young Children	3	
	CHDV 13A	Practicum in Child Development	2	
	CHDV 13AF	Field Practice in Child Development	2	
	CHDV 20	Introduction to Curriculum Planning	3	
	CHDV 15	Child, Family & Community	3	
	CHDV 13B	Practicum In Child Development B	2	
	CHDV 13BF	Field Practice in Child Development B	2	
	_____	CHDV 14	Observation and Assessment of Young Children	3
	_____	CHDV 16	Health, Safety & Nutrition	3
	_____	CHDV 25A	Early Childhood Education Stem Mathematics	3
_____	CHDV 25B	Early Childhood Stem – Science	3	
English	ENGL 100 or ESL 33B or ENGL 1A	Reading and Writing Skills Reading and Writing – ESL Level 5 Reading and Composition	4	

6. Include any other information you would like to share.