

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

**ACADEMIC SENATE**

**ACADEMIC PROGRAMS COMMITTEE**

**REPORT TO**

**THE ACADEMIC SENATE**

**AP-013-178**

**Physics, B.S. – Astrophysics Emphasis**

**Academic Programs Committee**

**Date: 10/25/2017**

**Executive Committee  
Received and Forwarded**

**Date: 01/24/2018**

**Academic Senate**

**Date: 02/14/2018  
First Reading**

**BACKGROUND:** The Department of Physics and Astronomy is proposing to offer a new emphasis in Astrophysics under the Bachelor of Science in Physics. This emphasis is a response to strong student interest in astrophysics-related electives, internships, and research experiences over the past several years. The revised semester program in physics offers sufficient flexibility for students to complete this emphasis within the requirements of the program.

**RESOURCES CONSULTED:**

Deans  
Associate Deans  
Department Chairs

**DISCUSSION:**

Before reaching the Academic Programs Committee, this program was reviewed by the Curriculum Committee in the College of Science, as well as the Dean of the College of Science and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

**RECOMMENDATION:**

The Academic Programs Committee recommends approval of the new Astrophysics Emphasis for semesters.

<b>Preliminary Education Specialist Credential - Mild/Moderate Disabilities: 45 Units</b>			
<b>Status</b>	active		
<b>Hierarchy Entities</b>	Education		
<b>Approval Process Name</b>	I. Program - Q2S Existing Program/Option/Minor		
<b>Current Step</b>	Office of Academic Programs		
<b>Originator</b>	Barbara Bromley		
<b>Created</b>	01/20/2016 07:01PM		
<b>Launched</b>	01/20/2016 07:54PM		
<b>Form</b>			
<b>General Catalog Information</b>			
<b>Department</b>	Education		
<b>Conversion Category:</b>	Revised		
<b>Proposal Type:</b>	Program		
<b>Describe or list changes</b>	<p>We designed the changes to the Education Specialist Mild/Moderate Disabilities Credential Program to provide students with more targeted content in mild/moderate disabilities and to reduce redundancy in content across courses. We created one new course, Characteristics of &amp; Instructional Strategies for Students with Mild/Moderate Disabilities (EDU 5310). We removed three pre-requisite courses from the program: Educational Psychology (TED 406), Foundations of Educational Computer Literacy (GED 400), and Introduction to Special Education (EDS 403). We embedded the content in these courses into other courses (EDU 5000 - Foundations of Teaching and Learning; EDU 5310 - Characteristics of &amp; Instructional Strategies for Students with Mild/Moderate Disabilities). Rather than have a separate technology course, we embedded educational uses of educational technologies into the methods courses to demonstrate effective teaching strategies for the K-12 classroom. The focus will also be on technological pedagogical content knowledge, which is a substantial change from how technology is currently approached in the quarter-system methods courses. The program offerings meet all State of California Commission on Teacher Credentialing (CTC) standards which include: the California Commission on Teacher Credentialing Professional Standards and Teaching Performance Expectations; and the Common Core State Standards. The program is aligned with a comprehensive program assessment plan.</p>		
<b>Semester Program Name (e.g. Biology, B.S., Art History, B.A.)</b>	Preliminary Education Specialist Credential - Mild/Moderate Disabilities: 45 Units		
<b>Program Description</b>	<p>Through a sequence of coursework, fieldwork, and Clinical Practice, Education Specialist Credential candidates learn to develop and implement individualized education plans, evaluate data-driven goals, apply evidence-based practices for differentiated behavior and academic interventions within multi-tiered systems of support for diverse learners with mild/moderate disabilities, and develop professional collaboration skills through co-teaching, interagency and family collaboration, and case management.</p> <p>This credential authorizes the holder to teach in grades K-12 (and up to the age of 22). It includes students with autism, learning disabilities, mild/moderate intellectual disabilities, other health impairments, and emotional/behavior disorders. This credential also authorizes the holder to provide instruction for English language development and specially designed academic instruction in English (grades 12 and below and in classes organized for adults). Our programs are fully accredited by the California Commission on Teacher Credentialing and meet all state teacher preparation standards and Teaching Performance Expectations.</p>		
<b>Curriculum Sheet Roadmap</b>			
<b>Two-Year Course Offering</b>			
<b>Assessment Plan</b>			
<b>Select Program</b>	Program		
<b>Prospective Curriculum</b>			
<b>Steps</b>			
<b>Files</b>	<b>Author</b>	<b>Date</b>	<b>File</b>
	Barbara Bromley	01/20/2016 07:50PM	ES Mild_Mod Program Proposal FINAL_Jan2016.pdf
	Ashley Ly	10/16/2017	Preliminary Education Specialist Credential_Mild_Moderate