

Program Review Feedback—Instructional Planning Committee (IPC)

Program Name: Astronomy & Physics	Division: Math and Science
Date Reviewed: 11/22/2025	

Program Review Sections & Standards	Commendations	Recommendations	Comments	ACCJC Exemplary Example
Program Context				
1. Mission - Share how your program contributes to the College or fits into the College's Mission. For example, what other academic programs and student/academic services does your program engage with? Examples of student/academic services include the Learning Center, Library, STEM Center, SparkPoint, Dream Center, etc. Another example, how does your program fit into any of the College's plans (such as Equity, Technology, Strategic Enrollment, etc.)?	<i>Provided:</i> <input checked="" type="checkbox"/> Mission	<i>Information Needed:</i> <input type="checkbox"/> Mission	Strong emphasis on college mission. They connects with Rad Tech and the Engineering program.	<input type="checkbox"/>
2. Articulation - Are there changes in curriculum or degree requirements at high schools or 4-year institutions that may impact your program? If so, describe the changes and your efforts to accommodate them. If no changes have occurred, please write "no known changes."	<i>Provided:</i> <input type="checkbox"/> X Evidence <input type="checkbox"/> X Analysis <input type="checkbox"/> X Impact on program <input type="checkbox"/> X Efforts to make changes	<i>Information Needed:</i> <input type="checkbox"/> Evidence <input type="checkbox"/> Analysis <input type="checkbox"/> Impact on program <input type="checkbox"/> Efforts to make changes	NA	<input type="checkbox"/>
3. Community and Labor Needs - Are there changes in community needs, employment needs, technology, licensing, or accreditation that may affect your program? If so, describe these changes and your efforts to accommodate them. If no changes have occurred, please write "no known changes". CTE programs: identify the dates of your most recent advisory group meeting and describe your advisory group's recommendations for your program.	<i>Provided:</i> <input type="checkbox"/> Community needs <input type="checkbox"/> Employment needs <input type="checkbox"/> Technology needs <input type="checkbox"/> Licensing <input type="checkbox"/> Accreditation <input type="checkbox"/> Impact on program	<i>Information Needed:</i> <input type="checkbox"/> Community needs <input type="checkbox"/> Employment needs <input type="checkbox"/> Technology needs <input type="checkbox"/> Licensing <input type="checkbox"/> Accreditation <input type="checkbox"/> Impact on program	<input checked="" type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not Applicable	<input type="checkbox"/>

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Looking Back				
4. Curricular Changes - List any significant changes that have occurred over the prior years in your program's curricular offerings, scheduling, or mode of delivery. For decisions made by your department, explain the rationale for these changes. If applicable, how have state policy changes affected your curricular offerings?	<i>Provided:</i> <input checked="" type="checkbox"/> List of changes that occurred <input type="checkbox"/> Rationale for changes	<i>Information Needed:</i> <input type="checkbox"/> List of changes that occurred <input type="checkbox"/> Rationale for changes	<input checked="" type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not Applicable It would be helpful to understand the change in	<input type="checkbox"/>
5A. Progress Report—IPC Feedback - Provide your responses to all recommendations received in your last program review cycle.	<i>Provided:</i> <input checked="" type="checkbox"/> Response to all Recommendations	<i>Information Needed:</i> <input type="checkbox"/> Further description of some or all recommendations	<input checked="" type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not Applicable We're interested in how the	<input type="checkbox"/>
5B. Progress Report—Prior Program Goals - Provide a summary of the progress you have made on the program goals identified in your last program review.	<i>Provided:</i> <input checked="" type="checkbox"/> Summary of progress	<i>Information Needed:</i> <input type="checkbox"/> Further description of summary of progress	<input checked="" type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not Applicable	<input type="checkbox"/>
6A. Impact of Resource Applications - Describe the impact to date of previously requested new resources (assignment, equipment, facilities, research, funding) including both resource requests that were approved and not approved. What impact have these resources had on your program and measures of student success? What have you been unable to accomplish due to resource requests that were not approved?	<i>Provided:</i> <input checked="" type="checkbox"/> Thorough description of new resources' impact on program. <input type="checkbox"/> Thorough description of impact on students <input checked="" type="checkbox"/> Any negative impacts due to lack of resources	<i>Information Needed:</i> <input type="checkbox"/> Further description of new resources' impact on program. <input checked="" type="checkbox"/> Further description of impact on students <input type="checkbox"/> Any negative impacts due to lack of resources	<input type="checkbox"/> Not Applicable The impact on student learning with the PASCO equipment is unclear.	<input type="checkbox"/>

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6B. Impact of Staffing Changes - Describe the impact on your program of any changes in staffing levels (for example, the addition, loss or reassignment of faculty/staff). If no changes have occurred, please write "not applicable".	<i>Provided:</i> <input checked="" type="checkbox"/> Thorough description of staffing changes' impact on program	<i>Information Needed:</i> <input type="checkbox"/> Further description of staffing changes' impact on program	<input checked="" type="checkbox"/> Not applicable	<input type="checkbox"/>
Current State of the Program				
7A. Enrollment Trends - Use the data provided by PRIE to examine your enrollments by department or courses. Describe trends in headcount, FTES, and load. If applicable, describe any other enrollment data that is relevant to your program.	<i>Provided:</i> <input checked="" type="checkbox"/> Thorough description of trends in all identified areas <input checked="" type="checkbox"/> Quantitative evidence from data packets	<i>Information Needed:</i> <input type="checkbox"/> Further description of trends in some or all identified areas <input type="checkbox"/> Quantitative evidence from data packets	<input type="checkbox"/> Not applicable Encouraging increase in enrollments.	<input type="checkbox"/>
7B. Significant Changes in Your Program - Have there been any significant changes in enrollment trends or course offerings? For example, has there been a significant increase or drop in FTES or Load? If applicable, consider trends in class cancellation rates and how it might have affected your course offerings. If needed, consider how the pattern of course offerings (times/days/duration/delivery mode/number of sections) affected your enrollment?	<i>Provided:</i> <input checked="" type="checkbox"/> Identified Changes <input checked="" type="checkbox"/> Discussed impact of changes made	<i>Information Needed:</i> <input type="checkbox"/> More information needed on identified changes and/or impacts based on changes made	<input type="checkbox"/> Not applicable	<input type="checkbox"/>

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<p>7C. Planning for Your Program - What changes could be implemented, including changes to course scheduling (times/days/duration/delivery mode/number of sections), curriculum, marketing, and articulation of pathways that might improve these trends? If applicable, include plans for faculty recruitment and faculty training.</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Changes that could be implemented 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Changes that could be implemented 	<ul style="list-style-type: none"> <input type="checkbox"/> Not applicable 	<p style="text-align: center;"><input type="checkbox"/></p>
<p>8A. Access & Completion - Describe the student completion and success rate in your courses and/or program using the data provided by PRIE. Look at your course offerings, in the last program review cycle was it possible for a student to complete your certificates or degrees while only completing courses at Cañada College? How can the college help you improve student completion and success? What changes could be made?</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Thorough description of student completion data (courses and/or program) <input checked="" type="checkbox"/> Thorough description of student success rate data (courses and/or program) <input checked="" type="checkbox"/> Described course offerings as they relate to certificate or degree completion <input type="checkbox"/> Described how College can help improve student completion and success <input type="checkbox"/> Identified changes that could be made 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Further description of student completion data (courses and/or program) <input type="checkbox"/> Further description of student success rate data (courses and/or program) <input type="checkbox"/> Description of course offerings as they relate to certificate or degree completion <input checked="" type="checkbox"/> Description of how College can help improve student completion and success <input checked="" type="checkbox"/> Changes that could be made 	<ul style="list-style-type: none"> <input type="checkbox"/> Not applicable <p>There are some issues around student success and we are interested in knowing how the college can help the program. What are some strategies the program is implementing in an attempt to address gender inequity.</p>	<p style="text-align: center;"><input type="checkbox"/></p>
<p>8B. Student Equity - One of the goals of the College's Student Equity plan is to close the performance gaps for disproportionately impacted students. Use the data provided by PRIE that indicates which groups are experiencing a disproportionate impact in your program. Which gaps are most important for improving outcomes in your program? How can the college help you address these gaps? What changes could be made?</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Gaps that are most important for improving program outcomes <input type="checkbox"/> How the College can help address these gaps <input checked="" type="checkbox"/> Changes that could be implemented 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Gaps that are most important for improving program outcomes <input checked="" type="checkbox"/> How the College can help address these gaps <input type="checkbox"/> Changes that could be implemented 	<ul style="list-style-type: none"> <input type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not applicable <p>Please consider collaborating with equity leaders to identify how to address these issues. Also</p>	<p style="text-align: center;"><input type="checkbox"/></p>

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<p>8C. Completion — Success Online - The college has a goal of improving success in online courses. Using the data provided by PRIE, what significant gaps do you see in success between online/hybrid and non-online courses? What changes could be made to reduce these gaps? If your program does not offer online/hybrid courses, please write “not applicable”.</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Gaps in success between online/hybrid and non-online courses <input type="checkbox"/> Changes that could be made to reduce gaps 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Gaps in success between online/hybrid and non-online courses <input checked="" type="checkbox"/> Changes that could be made to reduce gaps 	<ul style="list-style-type: none"> <input type="checkbox"/> No recommendation or change needed <input type="checkbox"/> Not applicable 	<input type="checkbox"/>
<p>9A. SLO Assessment—Compliance - Are all active courses being systematically assessed over a three-year cycle? Refer to the Program/Department’s Three-Year Assessment Plan and describe how the plan is completed across sections and over time.</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Evidence that all active courses are systematically assessed over a 3-year cycle. <input checked="" type="checkbox"/> Coordination of assessment across sections and time is thorough 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Evidence that all active courses are being systematically assessed over a 3-year cycle. <input type="checkbox"/> Further description of assessment across sections and time 		<input type="checkbox"/>
<p>9B. SLO Assessment – Impact - Summarize the dialogue that has resulted from these course SLO assessments. What specific strategies have you implemented, or plan to implement, based upon the results of your SLO assessment?</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Summary dialogue Strategies <input checked="" type="checkbox"/> Implemented/plan to implement 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Summary dialogue Strategies <input type="checkbox"/> Implemented/plan to implement 		<input type="checkbox"/>

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<p>10. PLO Assessment - Describe your program's Program Learning Outcomes assessment plan using your Program/Department's Three Year Assessment Plan. Summarize the major findings of your PLO assessments. What are some improvements that have been, or can be, implemented as a result of PLO assessment?</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Description of Program/Department's 3-Year assessment plan <input checked="" type="checkbox"/> Summary of major findings <input checked="" type="checkbox"/> Improvements that have been and/or can be implemented 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Description of Program/Department's 3-Year assessment plan <input type="checkbox"/> Summary of major findings <input type="checkbox"/> Improvements that have been and/or can be implemented 		<input type="checkbox"/>

Looking Ahead

<p>11. Program Planning and Goals - Planning for the future is an important part of Program Review. This is your opportunity to identify new directions for growth and improve your program. Based on your analysis of the data and your responses to the questions above, identify specific and measurable goals and action plans for achieving those goals. Consider goals such as, but not limited to: updating curriculum, closing equity gaps, responding to student and community needs, etc.</p>	<p><i>Provided:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> List of specific and measurable goals for program improvement and/or growth <input checked="" type="checkbox"/> Description of action plans for achieving stated goals 	<p><i>Information Needed:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> List of specific and measurable goals for program improvement and/or growth <input type="checkbox"/> Description of action plans for achieving stated goals 		<input type="checkbox"/>
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<p>Overall Commendations:</p> <p>The program has identified actionable goals that will benefit students. They have identified areas for growth, women, high school students. In addition, the program is interested in engaging with the community through the use of the observatory.</p>	
<p>Overall Recommendations:</p> <p>Given the concern about on-line exams and the high success rates in some on-line courses, consider other modes of assessment. Consider developing a plan to strategically recruit and retain underrepresented students including women and hispanic students.</p>	