

# Program Action Plan for Computer Science

## Implementation of Program Review Recommendations

### Developed from Program Review Conducted 2008-2010

The Program Action Plan is an agreement among the Provost, Dean of Faculty, and Program Chair to implement recommendations that emerged during the program Review process. These recommendations were derived from the program's self-Study, the external Review, and the PARC Review. Through the Program Action Plan, the goal is to integrate program Review results into Academic Affairs planning and budgeting. To the extent that resources and changes in program and division strategic priorities permit, the Action Plan identifies two-year and five-year targets for implementation of recommendations.

				TWO YEAR PLAN	FIVE YEAR PLAN
Review RECOMMENDATIONS	PROGRAM CITATION AND RATIONALE	RESPONSIBLE PARTIES	RESOURCE IMPLICATIONS	DELIVERABLE 2012	DELIVERABLE 2015
<b>PROGRAM PURPOSE AND UNIVERSITY GOALS</b>					
Facilitate majors' access to exposure to non-computer science, non-STEM courses, and experiences.	PARC Report, p. 2	Chair/Advisor	Review Unit load in the major; GE revision may offer options	Unfortunately a UDIGE course had to be CUT from the major to satisfy 120-unit limit	
Continue to build in mission pillars of multicultural, international, and community engagement more deliberately.	PARC Report, p. 2. "Multicultural pillar . . . Is the least integrated into the Computer Science program, though recent positive change is noted." External Review says "not clear how campus international perspective dovetails with CS curriculum." p. 4.	Chair/Advisor	Integrate global and multicultural perspectives in major; Consider UNIV 392 option	Two CS students have studied abroad (England and Germany)	
More clarity on the website about number of units and required courses for the BS. Add summary of requirements and hyperlink to current catalog page.	PARC Report, p. 2 "High number of units required for the BS is not clearly articulated in that venue."	Chair/Advisor	Roadmaps on the website; Examine curriculum to eliminate overlaps	Mostly accomplished with the redesigned website.	
More resources to fund outreach. Invite the community to attend CS events and competitions on campus	Self Study and external Review, PARC Report, p. 2.	Chair/Advisor	Broaden invite to Programming Competition; Be a part of Science Carnival; Use CERF for these activities	Outside students invited and participated in GURU competition	

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<b>ACHIEVING EDUCATIONAL OUTCOMES/ASSESSMENT</b>					
That CS faculty work with Faculty Development to identify elements of a comprehensive assessment plan for their degree program.	External Review, p. 5. PARC Report, p. 5 "The program needs more resources and faculty to develop a long term assessment plan." (p. 9)	Chair/Advisor/Faculty Development	Assessment plan and resources; Consider use of adjunct faculty with assigned time	In progress	
That CS faculty review course and program learning outcomes, and map the former.	PARC Report, p. 5 "There is not a clear understanding of the relationship between the 'lower learning course goals' and program learning outcomes." p. 5	Chair/Faculty Development	Assessment plan	Done for BSCS	
Evidence that the CS program is using outcomes data to inform the development and modification of the program.	PARC Report, p. 5	Chair/Faculty Development	Assessment plan	In progress	
The University examine the accessibility of the CS laboratory stations to ensure access for students with disabilities.	External Review, p. 6. PARC Report, p.5-6	Associate Dean; Disability Services	Resources for additional compliance		
Consider the C- requirement rather than a C for required courses. Consider adding lab time to "Operating Systems" course.	External Review, p. 5. PARC Report, p. 5-6		Lab has been added	Lab added to the Operating Systems course and to other key core classes.	

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<b>DEVELOPING RESOURCES TO ENSURE SUSTAINABILITY</b>					
Hiring of more faculty needed both to sustain the program curricula and to support ABET accreditation.	Self Study, p. 4. With senior faculty, "we need a couple of assistant professors to add balance." External Review, p. 6. PARC Report, p. 7	Provost/Dean/Chair	Hiring Plan based on growth	Tenure-track faculty hired for Fall 2013	
Hire a full time support technician	PARC Report, p. 7. External Review notes: "There are excellent student assistants but this is not a sustainable solution." p. 6.	Associate Dean; IT	May need additional resources		
Inadequate lab space and classroom size is limiting. Budget limits the number of classes offered.	PARC Report, p. 8. Self Study states that the networking lab is maxed-out, and CS needs an embedded systems lab (p. . 4.)	Associate Dean	Review options and capacity for no-growth FTES		
Set up an community advisory board for the program.	PARC Report. "An advisory board will assist with addressing resource issues as well as program development. P. 7	Dean/Chair	Consider establishing a board by 2015. Work with Dean & Advancement to explore industry partnerships.	On hold due to workload	
Keep in touch with alumni by developing an email list of graduates, inviting them to talks and special events.	External Review, p. 7. PARC Report. P. 8 Also suggested is a newsletter.	Chair/Support Coordinator/Alumni Office		Established a linkedin group for CSUCI CS alumni	
Consider course sharing arrangements with other campuses, such as through distance learning, to encourage timely student graduation.	External Review, p. 8	Dean/Chair	Examine options		

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CREATING A LEARNING CENTERED ORGANIZATION/STRUCTURE					
CS continue in its planning vein, expecting enrollment growth, in consultation with dean and provost.	PARC Report, p. 9. "The program made important recent curriculum changes (2009), reflecting input from constituencies."			Continuing	
Develop a long term program plan, with required resources, for securing ABET accreditation	PARC Report, p. 9	Chair/Dean	Develop Strategic Plan	ABET requires a minimum of 4 tenure-track faculty. This is a long way off.	

Other Comments: