

Los Angeles City College
Comprehensive Program Review 2008

Mathematics/CSIT Department

IX. Planning and Budgeting

b. Past Planning Goals

Year	Goal #	Description	Relation	Actions Relation	Outcome	Progress
2002	1	Increase the scope and diversity of Department Offerings		New CTEL courses are being brought into the curriculum that prepare students with skill sets that are tested and certified by nationwide agencies or corporations. A new computer equipped classroom is being created to expand the amount of computer enhanced developmental Mathematics instruction we can provide. At the developmental level, this method of instruction has proven to be more effective than the traditional lecture approach. A new preparation course has been created for students who desire to acquire a California State Journeyman electrician certification. Two new Oracle data base courses have been created to prepare students to acquire Oracle Data Base Administrator Certification or Oracle Data Base Developer Certification. A new Home Technology Integrator Course will be offered, providing training in a growth area of the economy.		Same as above

b. Past Planning Goals

Year	Goal #	Description	Relation	Actions Relation	Outcome	Progress
2002	2	Retain or reinstate the transferability of transfer courses and the marketability of graduates from our vocational programs.		We are working with CSULA to articulate our Math for Elementary School Teachers with their Teacher Training Program. We are working with local Unions to provide education to their members and applicants. We continue to work with our feeder universities to adjust our curriculum so that it articulates with their lower division programs. We are collaborating with CSULA as part of the MSTI program designed to train teachers who are strong in the fields of Mathematics and Science.		See above
2002	3	Provide opportunities for faculty to engage in activities which lead to advanced professional development, enhanced technical proficiency, and upgrades to current educational techniques and technologies.		Several training sessions have been conducted to train our instructors in the use of computer aided developmental Mathematics software. This program has been implemented among our regular and adjunct instructors. Several Mathematics and CSIT instructors have participated in the Staff Development Etudes training. The Etudes system also provides teachers added instructional capabilities that enhance the educational experience for their students. Several Mathematics faculty members attended the national AMATYC Conference, to participate in seminars on teaching methods and technologies. Math faculty have also attended conferences conducted by the Mathematical Association of America and by the California Mathematics Council of Community Colleges.		same as above

b. Past Planning Goals

Year	Goal #	Description	Relation	Actions Relation	Outcome	Progress
2002	4	Prepare students to use critical thinking techniques to learn and communicate effectively throughout their lifetime, in both personal and professional settings.		Critical thinking skills continue to be taught as an intrinsic element of our courses. The Mathematics Club and the Computer Club have continue to provide students an opportunity to further develop their analytical and problem solving skills. The Math Club prepares for and participates in the Annual Nationwide AMATYC Competition and the Computer Club participates in the annual CSULA programming competition. Some of our more capable students are afforded the opportunity to tutor in the Pi Shoppe, the Byte Shoppe and the EOPS Supplemental Instruction Program. These activities, by their nature, exercise critical thinking and analytical skills needed to help other students understand and apply Mathematical and logical processes.		same as above
2002	5	Increase Department's enrollment generally by on-campus and off-campus outreach, and specifically in the areas of under-represented minorities and women, and students with disabilities.		CSIT is teaching CS and IT courses at a number of local high schools, including Hollywood, Foshay, Bravo Medical, Miguel Contreras and Eagle Rock. Belmont has also expressed interest in CT courses. The Mathematics discipline continues its Annual High School Mathematics competition. This year approximately 100 students from local high schools participated. The activity makes high school students aware of LACC and available educational programs. More information is available on the Department website. We have created an attractive advertising flyer for our Math program and will use it to attract students from our feeder high schools.		same as above
2002	6	Assure articulation between the Department's offerings and those of four-year schools.		Refer to Goal #2		same as above

b. Past Planning Goals

Year	Goal #	Description	Relation	Actions Relation	Outcome	Progress
2002	7	Design and conduct all of our educational and educational support activities specifically to attract, welcome and support students and promote their academic success.		We have established a student peer tutoring program (The Pi Shop) that has made documented improvements in the success of students taking courses in Mathematics. Data collected by our College research office shows that 43% of developmental Math students who enroll concurrently in the Pi Shoppe, successfully complete their Math courses as opposed to only 25% of students who do not enroll concurrently. The Math Club has a designated room set aside in Jefferson Hall for use by Mathematics students to study. The room has internet access and is available throughout the day. Department continues to conduct annual book sale to generate money for scholarships. Almost 4000 dollars was generated for scholarships this year. Department scholarship program includes both donations and endowed scholarships. Department awarded over 8000 dollars in scholarships last year. Math Club provides activity and camaraderie for LACC Math students. It meets every Friday and participates in the National AMATYC Math competition each year. A designated room has been set aside for use by student mentors and their students in the EOPS supplemental instruction program. It can be used as a study room for students at times when there is no mentoring session scheduled.		same as above
2002	8	Increase the number of students who receive AA and AS degrees and Certificates	Aligns with Strategic Plan Priority #2	The curriculum has been designed to assure the student a smooth transition through the courses making up our AA and AS programs. Making sure courses are scheduled so they are offered when students need them will increase the numbers who successfully complete these programs.		same as above

b. Past Planning Goals

Year	Goal #	Description	Relation	Actions Relation	Outcome	Progress
2002	9	Streamline and modernize facilities		JH 112 and JH 108 have been converted from storage rooms to tutoring rooms for conduct of supplemental instruction and student group study sessions. A computer internet connection has been installed at the front of each instructional room. A request has been made to the Campus Office of Administrative services to install. This enables lecturers to incorporate information from the internet into their instructional delivery. Ceiling mounted projectors have been installed in JH 215 and JH 212, expanding instructors' ability to incorporate computer based materials into their lectures. New projectors will be installed in AD302, AD305 and AD318 enabling teachers to use state of the art software and teach the use newly developing computer systems.		same as above
2002	10	Replace retired faculty members in all disciplines		Vacant positions have been placed on the College hiring list in the chronological order in which they occurred. The Educational Planning Committee has ruled that vacant positions will be filled according to the chronological list unless replacement out of turn is a matter of survival for the discipline.		same as above
2002	11	Rehire Technician		The discipline's Electronics Technician is retired in 2007. Although the program is small, there is a need to provide it with equipment and technical support. Until the program experiences some significant growth this need might be met by temporary, part-time and/or student help. The Department will help from administration to ensure adequate support is provided to the educational program.		same as above

e. New Planning Goals

Describe departmental planning goals for the next 6 years, explaining how they support the various college plans, including:

- *Strategic Priorities of the College's Strategic Plan:*
http://www.lacitycollege.edu/public/strategic_planning.htm#strategicplan
- *Educational Master Plan:*
<http://www.lacitycollege.edu/public/EduMasterPlan.pdf>
- *Technology Master Plan:*
http://www.lacitycollege.edu/resource/oac/IT_Plan_Draft03.pdf

New Planning Goals

Year	Goal #	Description	Relation	Outcome
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f. New Action Plans and Special Projects

Describe the specific action plans and special projects that will be undertaken during the next 6 years to achieve the goals described above. There should be at least one action plan for each goal listed, and there may be more than one action plan for a goal. Plans and projects may include curriculum and program development, establishment of new labs or facilities, outreach and recruitment efforts, public/private partnerships, etc. Include estimated costs and projected time lines for implementation. You can add as many New Action Plans and Special Projects as desired.

New Action Plans and Special Projects

Year	Goal #	Project #	Project Name	Planned Activities	Individuals Responsible	Expected Outcomes	Projected Costs*	Total Cost	Project Start Date	Project End Date
2008	1	1	New Curriculum	Implement new home Technology Integrator Course	Yazdanian	New enrollment and preparation of students for employment	1. No additional 2. None 3. 5000 4. No additional 5. None	5000	01/20/2008	01/20/2009

New Action Plans and Special Projects

Year	Goal #	Project #	Project Name	Planned Activities	Individuals Responsible	Expected Outcomes	Projected Costs*	Total Cost	Project Start Date	Project End Date
2008	10	1	faculty replacement	replace 1 CSIT faculty replace 2 Math faculty replace 1 CTEL faculty	Wolf	increased resources to achieve department goals	1. 4 faculty/250,000 per year 2. No additional 3. No additional 4. No additional 5. No additional	250,000	09/01/2008	09/01/2010
2008	11	1	replace technician	replace CTEL computer and Electronics Technician	Wolf	adequate support to maintain CTEL instructional program	1. No additional 2. 45,000 3. No additional 4. No additional 5. No additional	45,000	09/01/2008	09/01/2010
2008	2	1	Women in Science & Engineering	Collaborate with CSUN to establish curriculum for transfer program	Hentschel, Salazar	Increased transfer of female students in Math and Science	1. No additional 2. No additional 3. No additional 4. No additional 5. 5000 for transportation and collaboration	5000	09/05/2008	ongoing

New Action Plans and Special Projects

Year	Goal #	Project #	Project Name	Planned Activities	Individuals Responsible	Expected Outcomes	Projected Costs*	Total Cost	Project Start Date	Project End Date
2008	3	1	SAP program	Investigate potential success of a SAP training program	Pashazadeh, Samplewala	new program providing students entree to high demand job area.	1. No additional 2. No additional 3. Software/3000 4. No additional 5. travel/1000	4000	06/15/2008	10/30/2008
2008	4	1	Problem Solving	Create problem solving course to run in conjunction with Math Club activities.	Nikolaychuk	students skilled at synthesizing math skills into creative problem solving	1. No additional 2. No additional 3. No additional 4. No additional 5. No additional	No additional	06/05/2008	01/20/2009
2008	5	1	CSIT Outreach	create program of teaching CSIT courses at feeder high schools	Flores	Start students in Computer programs before graduation so they complete them at LACC after graduation	1. 5000 per class 2. No additional 3. Software and text books/500 per class 4. No additional 5. No additional	500 per class	02/04/2007	Ongoing

New Action Plans and Special Projects

Year	Goal #	Project #	Project Name	Planned Activities	Individuals Responsible	Expected Outcomes	Projected Costs*	Total Cost	Project Start Date	Project End Date
2008	6	1	MSTI	Collaborate with CSULA to establish curriculum for transfer program	Hentschel	increased transfer of students to Math&Science teacher prep program at CSULA	1. No additional 2. No additional 3. No additional 4. No additional 5. transportation and collaboration/ 3000	3000	06/05/2008	ongoing
2008	7	1	Pi Shoppe	Enhance scope and diversity of student help offered in Pi Shoppe	Mardirosian	better and more learning assistance provided students in Pi Shoppe	1. No additional 2. Increase staffing 50%/50000 per year 3. additional computers and furniture 10000 4. Expanded facilities/ FH renovation 5. No additional	60000	09/01/2008	09/01/2010

New Action Plans and Special Projects

Year	Goal #	Project #	Project Name	Planned Activities	Individuals Responsible	Expected Outcomes	Projected Costs*	Total Cost	Project Start Date	Project End Date
2008	8	1	Increase degrees	Increase number of students from feeder high schools prepared to start college level lowe division program. Create consortium with high school MST programs to attract students to LACC programs.	Pahl, Kendis	Increased math and science AS degrees	1. No additional 2. No additional 3. No additional 4. No additional 5. advertising and promotional materials/6000	60000	09/05/2008	ongoing
2008	9	1	FH Renovation	New faculty offices, expanded Pi Shoppe and open computer lab, expanded student group study areas, faculty/student library and conference room	Wolf	better student retention and success	1. No additional 2. No additional 3. FFE/included in renovation 4. Included in renovation 5. No additional	7,000,000	06/16/2008	01/01/2010

**Projected Costs*

1. Faculty Requirements/Costs
2. Staff Requirements/Costs
3. Equipment Requirements/Cost
4. Facilities Requirements/Costs
5. Other Requirements/Costs