

**San Bernardino Valley College
Science Division**

Overarching Goal for the Science Division: The Science Division strives to be the premier community college educational center in southern California for the sciences and related technologies

Goals and Objectives 2013-2014

May 2014 Progress

| | | |
|-------------------|--|--|
| GOAL | <p>Increase student success in Science Division courses. (Strategic Initiative: Student Success) <i>We are committed to helping students succeed in their educational and career goals.</i></p> | |
| OBJECTIVE | <ol style="list-style-type: none"> 1. Increase the number of STEM majors to affect the economic viability of our region. 2. Improve success rate in departments in the Science Division. 3. Improve retention of science students. 4. Increase the number of degrees awarded under the new AA-T degree and revised AS degree (geography) 5. Increase nursing students' success rate on exit exam and NCLEX exam. 6. Maintain success rate on Psych Tech state exam. 7. Hire faculty and staff needed for quality of programs in the division 8. Increase course offerings for first semester students in GIS and Pharm Tech 9. Plan for successful accreditation for all health science programs. 10. Explore online or hybrid formats for some disciplines (Design courses and Physics). 11. Continue curricular and SLO updates to meet changing transfer and career demands (oceanography). 12. Maintain laboratories with equipment and supplies needed for quality education. | <ol style="list-style-type: none"> 1. Ongoing – grants for SI, field trips, counseling 2. Ongoing, collecting data from SI 3. Ongoing 4. Ongoing- geography, geology and physics are done; biology is in progress 5. Ongoing but progress made; new curriculum in progress and grant obtained for next year will provide resources for students 6. Achieved 7. Slow progress; many openings due to retirements and resignations but delays in recruitment and hiring 8. Not achieved for Pharm Tech; GIS 130 has 2 classes. Changes in GIS curriculum may help. 9. Done for nursing and psych tech; pharm tech in progress 10. Not completed; design courses approved for on-line 11. In progress 12. New equipment purchased with special funds; maintenance still needed |
| ACTIVITIES | <ol style="list-style-type: none"> 1. Incorporate more use of patient simulation (nursing). 2. Work with ASHP and PTEC to achieve national accreditation for the Pharmacy Tech Program. 3. Complete accreditation documents for Psychological Technology and | <ol style="list-style-type: none"> 1. Ongoing 2. In progress, paperwork progressing 3. Completed successfully |

| | | |
|------------------|---|--|
| | <p>Nursing.</p> <ol style="list-style-type: none"> 4. Offer more engineering courses. 5. Request through Needs Assessment, funds for maintenance, supplies, and equipment. 6. Request staff through Needs Assessment for program needs. 7. Request through Needs Assessment for money for field trips for geography, geology, and oceanography. 8. Evaluate and strategize for increased and permanent funding sources for Supplemental Instruction in key science classes. 9. Increase learning communities with consideration of appropriate level and desired outcomes. 10. Create publicized rotation of courses to accommodate completion of certificates or degrees. 11. Revise and update nursing curriculum to reflect current needs in the industry. 12. Reflect and develop NCLEX-style test questions and strategies to develop evidence-based writing skills. (Nursing). 13. Develop informational brochures for programs. 14. Offer review class before national/state exams. 15. Update curriculum to articulate with four-year institutions (oceanography). 16. Complete TMC for programs as they become available. 17. Engage in discussions on appropriate rigor and expectations and our obligations as faculty to help students succeed. (chemistry) | <ol style="list-style-type: none"> 4. Not done. Need more interest. 5. Achieved supplies, equipment, some maintenance funds 6. Requested but no progress on classified position 7. Ongoing. Need continued funding not one-time funding. 8. Ongoing, working with Pass-Go grant 9. Ongoing. Had to re-envision learning communities to overcome Datatel limitations 10. Ongoing 11. Ongoing but a good start was made with workshops and meetings. 12. Ongoing. Faculty attended workshops to improve test writing skills. 13. In progress 14. Psych Tech does this. 15. Ongoing 16. Ongoing 17. Ongoing. This is a topic of discussion at many department meetings. |
| | | |
| GOAL | <p>Strengthen current partnerships and expand community and school outreach efforts. (Strategic Initiative: Partnerships) <i>We are committed to community involvement and dialog.</i></p> | |
| OBJECTIVE | <ol style="list-style-type: none"> 1. Create linkages with grant and scholarship opportunities, four year schools and industries. (Geology) 2. Strengthen partnerships with local high schools and ROP programs. 3. Work with local universities to provide more engineering courses and encourage more pre-engineering students. | <ol style="list-style-type: none"> 1. Ongoing 2. Partnerships with ROP and Adult Education (health care careers) were strengthened. Ongoing. 3. Ongoing. |

| | | |
|-------------------|---|--|
| | <ol style="list-style-type: none"> 4. Increase the visibility of science programs. 5. Collaborate and coordinate with Success Center, Pass-Go Grant, MSEIP grant, and/or STEM faculty to increase awareness of middle school and high school students about STEM majors and careers. 6. Keep the public informed of changes as they occur in the nursing program admission policy. (Nursing) 7. Maintain partnerships with Richardson Middle School and Urbita Elementary School and others. | <ol style="list-style-type: none"> 4. Ongoing 5. Ongoing; hosted Science and Tech day for middle school students; participated in Science for Women 6. Website and brochures are updated. Workshops provide newest information. This is ongoing. 7. Have programs and presentations for students, but ongoing. |
| ACTIVITIES | <ol style="list-style-type: none"> 1. Strengthen advisory committees. 2. Collaborate with other departments to offer service based learning opportunities. 3. Partnership with local agencies and businesses to provide internship opportunities including short non-credit options through PDC. (GIS) 4. Incorporate entry-level classes of GIS in other CTE programs, such as Architecture or Water Supply Technology. 5. Expand clinical sites. 6. Promote programs and opportunities provided by the Division and College. 7. Offer Science and Technology Day for eighth graders. 8. Collaborate with local K-12 schools for STEM education. | <ol style="list-style-type: none"> 1. Ongoing 2. Ongoing 3. Ongoing; new partnerships opened for GIS 4. Not done 5. Actively working on this 6. Done but also ongoing 7. Done and will repeat next year 8. Ongoing |
| GOAL | <p>Create a center of learning and an environment rich in opportunities for reflection and study, and discussion. (Strategic Initiative: Campus Culture and Climate)</p> <p><i>We are committed to a safe, welcoming, culturally rich learning-centered environment.</i></p> | |
| OBJECTIVE | <ol style="list-style-type: none"> 1. Faculty continue to expand knowledge, skills, and educational pedagogies to remain current with advances in field. 2. Develop and maintain qualified and consistent adjunct faculty. 3. Faculty expand knowledge and skills to remain current with advancing practice including incorporation of human-patient simulation by 2014. 4. Expand the Bio Gardens around HLS and PS buildings maintain existing plot (Biology). | <ol style="list-style-type: none"> 1. Ongoing – faculty have attended professional development 2. Ongoing- difficult to maintain a good pool 3. Ongoing – nursing faculty have attended workshops 4. Ongoing – but quite successful. Need to develop more plots in front of nursing office |

| | | |
|-------------------|---|--|
| | <ol style="list-style-type: none"> 5. Collaborate with local universities for research experiences and mentoring opportunities (MSEIP grant). 6. Provide speakers and field trip opportunities for students and staff. 7. Work with Student Success Center and Pass-go grant for increased opportunities for students and staff. | <ol style="list-style-type: none"> 5. Research at UCR. Ongoing. 6. Done but will continue. Speakers provided for all students and for SI leaders 7. Ongoing |
| ACTIVITIES | <ol style="list-style-type: none"> 1. Identify and start new plantings (Biology). 2. Find more funds for professional development (nursing). 3. Create a proposed sequence of classes for students interested in completing GIS certificate. (GIS) 4. Complete Drafting course outlines of record and submit to state. (ARCH) | <ol style="list-style-type: none"> 1. In progress 2. Perkins provided more opportunities. 3. Done but will now promote. 4. Not done. |
| | | |