

2014 Report of Current Status for an Education Program

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Respiratory Therapy - Advanced Level at Skyline College

Program Reference: 200147

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Annual Report submitted by *ahmedi@smccd.edu* (27655) on 06/29/2014

Sponsoring Institution and Personnel

Skyline College

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San Bruno, CA 94066

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Institution Type: Community College or Junior College

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Affiliates

- California Pacific Medical Center - Clinical Affiliate - San Francisco, California 94115
- St. Luke's Hospital - Clinical Affiliate - San Francisco, California 94110
- San Francisco General Hospital - Clinical Affiliate - San Francisco, California 94110
- Veteran Affairs San Francisco - Clinical Affiliate - San Francisco, California 94121
- St. Francis Hospital - Clinical Affiliate - San Francisco, California 94109
- University of California San Francisco - Clinical Affiliate - San Francisco, California 94117
- Kaiser Permanente San Francisco - Clinical Affiliate - San Francisco, California 94115
- Seton Hospital - Clinical Affiliate - Daly City, California 94015
- Mills-Peninsula Health Services - Clinical Affiliate - Burlingame, California 94010
- San Mateo General Hospital - Clinical Affiliate - San Francisco, California 94403
- Stanford Hospital - Clinical Affiliate - Palo Alto, California 94305

Current Program Statistics

Reference: 200147

Program Enrollment and Attrition Table with Current and Past Five Years' Data (if available):

Enrollment Year	Enrollment Date	Graduation Date	Estimated Number of Applicants	Maximum number of Students	Number Initially Enrolled	Number Enrolled After Class Start	Total Enrollment Number	'In Progress' To-Date	Non-Academic Attrition	Academic Attrition	Total Attrition	Percent Attrition	# Grads to Date
2002	08/22/2002	06/18/2004	15	25	10	0	10	0	2	0	2	20.0 %	7
2003	08/20/2003	06/17/2005	40	25	25	0	25	0	1	0	1	4.0 %	20
2004	08/19/2004	06/23/2006	65	26	26	0	26	0	4	0	4	15.4 %	22
2005	08/17/2005	06/22/2007	95	29	29	0	29	0	2	0	2	6.9 %	25
2006	08/21/2006	06/27/2008	80	24	24	1	25	0	0	0	0	0.0 %	21
2007	08/14/2007	06/19/2009	85	25	25	0	25	0	2	0	2	8.0 %	23
2008	08/14/2008	06/25/2010	105	25	24	0	24	0	1	3	4	16.7 %	20
2009	08/19/2009	06/23/2011	110	25	24	0	24	0	2	1	3	12.5 %	21
2010	08/16/2010	06/22/2012	130	25	24	0	24	0	1	2	3	12.5 %	21
2011	08/16/2011	06/21/2013	120	25	24	0	24	0	2	2	4	16.7 %	20
2012	08/20/2012	06/26/2014	120	25	25	0	25	3	0	2	2	8.0 %	20
2013	08/19/2013	06/25/2015	120	25	25	0	25	22	2	1	3	12.0 %	0

Outcomes

Evaluation System: NBRC CRT Credentialing**Cut Score:** 80 %**Analysis:** The program's attempt and success rates for the NBRC entry level CRT exam continues to remain well above the CoARC threshold levels.**Action:** No action is required at this time.**Evaluation System:** NBRC RRT Credentialing**Cut Score:** N/A**Comments:** Students continue to pass the written and clinical simulation and obtain their RRT at a high percentage. Most employers currently require a minimum of RRT upon employment or within a year of employment.

Beginning January 2015 State of California will require RRT minimal credential for issuing Respiratory Care practitioner license.

Skyline College is ready to launch a BS program as soon as Community Colleges are allowed to issue BS degrees in State of California.

This will increase our number of RRT credentialed graduates.

Evaluation System: Attrition/Retention**Analysis:** The attrition rate continues to be well below the CoARC threshold. This continues to be due to a large applicant pool and students preparing earlier to enter the program (i.e. completing general education before entering). Program faculty continue to connect with counselors and science course faculty to share information regarding entrance requirements. This helps to better prepare students for program entrance. Faculty also continue to work with students in the first semester to identify student support to improve success for higher risk students. There is also a focus on community building and support among the students in the cohort.**Action:** Continue successful efforts for effective program visibility to help maintain a large applicant pool from which to draw students. Focus on those strategies which help with student persistence and success.**Evaluation System:** Positive Placement**Analysis:** Positive placement for employment continues to be well above the threshold. The employment market continues to be competitive for graduates in the face of a flat, down turned economy. Most graduates have found employment and only 2 of them are finding difficulty to be gainfully employed in the area for this reporting year.**Action:** Program faculty maintain strong employer connections throughout the bay area to identify job placement opportunities for unemployed graduates. The program conducts bay area human resource survey yearly to identify and meet workforce needs.**Evaluation System:** Overall Employer Satisfaction**Cut Score:** 80 %**Analysis:** Knowledge base and psychomotor skills rated at 3 or above with most ratings at 4 and 5 indicating high satisfaction by employers.**Action:** No action at this time. We will continue to monitor.

Evaluation System: Overall Graduate Satisfaction

Cut Score: 80 %

Analysis: Graduates rated this domain at 3 or above indicating satisfaction with their level of knowledge and application, and evaluation skills. Graduate ratings continue to be 3 or higher for this domain and clinical and internship experiences continue to meet student needs for success.

Graduates rate knowledge base, competence and clinical and internship experiences at a rating of 3 or above (most at 4 or 5 rating) indicating a high level of satisfaction in all domain areas.

Action: No action at this time. We wil continue to monitor.

Evaluation System: On-Time Graduation Rate

Analysis: On time graduation rate at 95% for 2012, 95% for 2013. One students from cohort 2011 graduated with 2014 graduating class instead of 2013.

Students who "stop out" work with program faculty to create education plan to improve success.

Action: Faculty continue to work with students who "stop out" to improve success upon re-entrance to program in following year.

Outcomes Summary

	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Calculatic Graduate	21	20	23	19	24	18	21	26	21	21	6	0	220
Calculatic	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Attrition	N/A	12.0%	8.0%	16.7%	12.5%	12.5%	16.7%	8.0%	0.0%	6.9%	15.4%	4.0%	40 †
†													
Positive	0.0%	90.0%	78.3%	94.7%	91.7%	94.4%	95.2%	100.0%	90.5%	90.5%	100.0%	N/A	70
Placemer													
CRT	0.0%	100.0%	100.0%	100.0%	95.8%	94.4%	100.0%	100.0%	90.5%	90.5%	100.0%	N/A	80
Credentia													
Success													
RRT	0.0%	90.0%	78.3%	94.7%	83.3%	83.3%	95.2%	88.5%	85.7%	76.2%	83.3%	N/A	N/A
Credentia													
Success													
Overall	N/A	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	N/A	N/A	N/A	N/A	N/A	80
Employer													
Satisfacti													
Overall	N/A	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	N/A	N/A	N/A	N/A	N/A	80
Graduate													
Satisfacti													
On-Time	100.0%	95.0%	95.2%	85.7%	95.0%	78.3%	84.0%	92.6%	95.5%	83.3%	75.0%	N/A	N/A
Graduatic													
Rate													

† - This row is based on enrollment date, not graduation date.

† - The threshold for this item is reversed. Below 40% meets the Threshold.

RAM Summary

Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
Personnel Resources To ensure the program has sufficient number of effective laboratory, classroom, and clinical instructors. (2.02/2.15/2.16)	1) Student resource surveys 2) Personnel resource surveys	1) June 2014 2) June 2014	1) All students (n=41) rated the number of faculty and their effectiveness in the classroom, laboratory, and laboratory. Lab clinical setting at 3 or higher. 2) All AC members/MD (n=9) rated the number and effectiveness in the classroom, laboratory, clinical setting at 3 or higher..	There continues to be adequate personnel and support in the classroom and laboratory. Lab technician support will be continued for this year to help manage supplies and equipment room. Maintain and monitor overall plan. Reasses via SPRS and PPRS next June.
Facilities To provide adequate classroom, laboratory and accommodations to ensure effective instruction. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2014 2) June 2014	1) All Students (n=41) completed the survey. 39 students rated facilities at 3 or higher. Two student rated at 2 and asked for to new Vent and Simman purchase for Lab. 2) All AC members/MD (n=9) rated facilities at 3 or higher.	Facilities are new (5 years) and meet the needs of program instruction. We purchased two (2) new Ventilators for lab. A simulation lab is being proposed to be utilized by all Allied Health programs at Skyline College. Reasses SPRS and PPRS next June.
Laboratory Equipment & Supplies To provide students with the equipment and exercises that will adequately prepare them for clinical practice. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2014 2) June 2014	1) All students (n=41) completed the survey. 39 students rated facilities at 3 or higher. Three student rated at 2 and asked for Simman to be purchased for Lab. 2) All AC members/MD (n=9) rated facilities at 3 or higher.	Continue to solicit vendors of respiratory care equipment and clinical affiliates regarding donation of supplies/equipment to program (ongoing - Clinical Director). State budget

Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
Learning Resources	To support student needs for supplemental reading, electronic and print reference materials, and research and computer resources. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2014 1) June 2014	2) All AC members/MD (n=9) rated lab equipment at 3 or higher. No Comments were noted. academic year (blenders, suction gages, CRT/RRT preparation software). Proposed simulation lab will be considered in the 12/15 academic year. Reassess SPRS and PPRS next June.
Learning Resources	To support student needs for supplemental reading, electronic and print reference materials, and research and computer resources. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) All students (n=41) completed the survey. 39 students rated facilities at 3 or higher. Three student rated at 2 and complained for printer removal from computer room adjacent to class room. 2) All AC members/MD (n=9) rated learning resources at 3 or higher.	Learning center and library computers are equipped with printer and accessible to all the students. Upgraded CRT/RRT preparation software have been purchased for students to use in labs. Continue to make available software/multimedia resources in Health Center Computer Lab. Review of current software/multimedia resources and update as necessary. (Ongoing - Program Director). Reassess SPRS and PPRS next June.
Instructional/Program Support Resources	To provide student instructional support and	1) Student resource surveys 2) June 2014	1) June 2014 2) June 2014	Continue to utilize support provided through division

Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
<p>other academic support for the program. To provide administrative, clerical support for the program. (2.02/2.17)</p>	<p>2) Personnel resource surveys</p>		<p>students rated facilities at 3 or higher. One student rated at 2 and No comments were noted.</p> <p>2) All AC members/MD (n=9) rated administrative and clerical support at 3 or higher.</p>	<p>office. The division has hired a full time Program Services Coordinator beginning Fall 2013 to assist with functions and activities of all departments in the division. This support provides help program faculty supporting application process, webpage updates, student learning outcomes data management, and various program functions throughout the year.</p> <p>Reasses instructional support/services and administrative/clerical support via SPRS and PPRS next June.</p>
<p>To provide a sufficient variety of tasks and procedures for instruction to allow for student mastery of the program's required clinical competencies. (2.01)</p>	<p>1) Student resource surveys 2) Personnel resource surveys</p>	<p>1) June 2014 2) June 2014</p>	<p>1) All students (n=41) rated clinical resources at 3 or higher.</p> <p>2) All AC members/MD (n=9) rated clinical resources 100% at 3 or higher.</p>	<p>Clinical resources continue to be adequate and provide sufficient variety of patient populations and procedures. Program and clinical faculty continue to collaborate to assess, seek and provide clinical opportunities during the clinical phase of the program. Reassess SPRS and PPRS next June.</p>

Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
Medical Director	To provide effective medical direction/administration for the program to insure that current standards of medical practice are met. (2.14)	1) Student resource surveys 2) Personnel resource surveys	1) All students (n=41) rated medical director at 3 or higher. 2) All AC members/MID (n=9) rated medical director at 3 or higher. Medical Director continues to be highly engaged in various aspects of the program.	Continue collaboration with Medical Director to ensure current standards of medical practice are met and provide high level of engagement with students (ongoing - Program Director, Clinical Director, Medical Director). Reassess SPRS and PPRS next June.
Physician Interaction	To ensure that program graduates can communicate and work effectively with physicians in a confident and professional manner. (2.14)	1) Student resource surveys 2) Personnel resource surveys	1) All students (n=41) rated physician interaction at 3 or higher. 2) All AC members (n=9) rated physician interaction at 3 or higher.	Student, faculty, and advisory committee members indicate high satisfaction regarding student/physician interaction. Continue physician presence by having clinical affiliate physicians address the students while in the clinical setting on various aspects of respiratory care (Ongoing - Clinical Director). Reassess SPRS and PPRS next June.
Financial Resources	To provide adequate fiscal support for the retention of personnel and the acquisition and maintenance of equipment and supplies. (2.01)	1) Budget review 2) Personnel resource surveys 3) Advisory Minutes	1) Operating and personnel budgets are improving from a California state budget perspective. The San Mateo County voters approved a parcel tax	Detailed budget reports continue to be shared and explained at advisory board meetings (Ongoing - Program Director, Advisory Chair). Program and Clinical

Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
			<p>which continues to support college/departement budget. The San Mateo County property Values are gone 5-8% above that last year.</p> <p>2) All AC members/MD (n=9) rated financial resources at 3 or higher.</p> <p>3) Program and district budget information continues to be shared at quarterly meetings.</p>	<p>Director will continue to advocate program needs to division Dean. Reassess SPRS and PPRS next June.</p>