



Palm Beach Community College

**Career Program Planning and Review:
A Data-Driven Process to Ensure a Responsive Curriculum**

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Palm Beach Community College

Table 8: Projected Annual Job Openings in Health Care in Palm Beach County through 2013

Occupation	Projected Annual Openings	Average Salary
Registered Nurses	681	\$23.75
Nursing Aides/Orderlies	310	\$10.07
Home Health Aides	250	\$9.74
Licensed Practical Nurses	203	\$17.38
Medical Assistants	197	\$12.92
Dental Assistants	87	\$16.70
Pharmacy Technicians	65	\$11.12
Medical Records and Healthcare Technicians	58	\$14.46
Radiologic Technologists	55	\$21.55
Dental Hygienists	54	\$25.54
Lab Technicians	50	\$14.80
Respiratory Therapists/Technicians	40	\$17.99
Massage Therapists	27	\$13.88
Diagnostic Medical Sonographers	24	\$23.33
Physical Therapist Assistants	17	\$19.81
Surgical Technologists	16	\$16.01
Cardiovascular Technologists and Technicians	15	\$19.99
Medical Transcriptionists	10	\$15.24
Physician Assistants	9	\$46.93
Veterinary Technologists	9	\$9.30
^a Biological Technicians	5	\$14.13
Dietetic Technicians	4	\$19.91

^aProjections were made prior to the finalization of the Scripps contract with the county. Actual openings should be greater.

^b2005 Average salary in Palm Beach County. From the Community College Strategic Planner, CCBenefits, Inc., 2006.

Note. Shaded rows indicate occupations for which PBCC currently offers programs.

Implementation Date: _____

Campus: _____



Program Proposal

Program Description

Program Name: Physical Therapy Assisting

Degree or Certificate Title: Associate in Science (AS)

Program Length: 74 Credit Hours Clock Hours

State CIP Code: 1317.081500 SOC Code: 31-2021

State Frameworks Available? Yes X No

Limited Access Yes X No

Summary

Demand for physical therapist assistants will continue to increase as Baby Boomers age and require services. Also, by 2020 physical therapists will be required to hold doctorate degrees and are expected to spend most of their time on assessments and appraisals, requiring the services of assistants for hands-on activities. Forecasts for 20 job openings per year in Palm Beach County appear low, as the percent of residents over age 50 is expected to increase from 30.4% to 44.3% by 2015.

Currently, the only school in Palm Beach County training physical therapy assistants is South University, which graduated 18 students in 2006. Broward Community College offers a program at its north campus in Coconut Creek from which 25 students graduated in 2006.

The program requires a substantial capital investment to equip a clinic. Monies for the venture are often available through grants such as Perkins, corporate donations, and private donations. The clinic will require at least 2,000 square feet to accommodate 25 students and meet state recommendations. Additional related space is recommended in the *State Requirements for Educational Facilities*.

The median salary for physical therapy assistants in Palm Beach County is approximately \$45,000. The salary level and high demand should attract enough students to operate the program at maximum capacity. Assuming full-time attendance, PBCC can expect to realize approximately 37.5 FTE per year from the core courses of this program after the program reaches maximum capacity in year two.

Occupation Description

Physical therapist assistants perform a variety of tasks. Components of treatment procedures performed by these workers, under the direction and supervision of physical therapists, involve exercises, massages, electrical stimulation, paraffin baths, hot and cold packs, traction, and ultrasound. Physical therapist assistants record the patient's responses to treatment and report the outcome of each treatment to the physical therapist.

Employment of physical therapist assistants and aides is expected to **grow much faster than the average** for all occupations through the year 2014. Physical therapists are expected to increasingly utilize assistants to reduce the cost of physical therapy services.

Needs Assessment



	Average Annual Openings ²	Average Annual Growth Rate ²	Median Hourly Wage ¹
Palm Beach County ¹	20	4.5%	\$21.39
Regional (Palm Beach Broward, Martin, Glades, Okeechobee Counties) ¹	50	4.3%	\$22.34
Florida ¹	228	4.4%	\$19.58
United States ³	3,570	6.8%	\$18.49

¹Source: CCBenefits Community College Strategic Planner

²Reflects new and replacement openings

³Source: Bureau of Labor Statistics

Primary Student Market

According to the American Physical Therapy Association (APTA), 76.1% of students enrolled in approved programs during 2004 were female, and 78.3% enrolled during 2006-07 were Caucasian. Both St. Petersburg College and Florida Community College at Jacksonville reported that their students tend to be males and females age 30-35 who are looking for a second career.

Potential markets include:

- Current massage therapists/massage students
- Persons looking for a second career/job change

Similar Programs

Local:

School	Degree	Awards ¹ 7/01/05 – 6/30/06
South University (West Palm Beach)	AS	18
Broward Community College (North Campus)	AS	25
Keiser University (Fort Lauderdale)	AAS	20
Miami Dade College	AS	19
Indian River Community College	AS	13

¹Source: IPEDS

State:

School	Degree	Awards ¹ 7/01/05 – 6/30/06
Central Florida Community College	AS	12
Daytona Beach Community College	AAS	18
Florida Community College at Jacksonville	AS/AAS	12
Gulf Coast Community College	AAS	8
Lake City Community College	AS	18
Manatee Community College	AAS	15
Pensacola Community College	AAS	13
Polk Community College	AS/AAS	14
Seminole Community College	AS	12
St. Petersburg College	AS/AAS	27

¹Source: IPEDS

Curriculum Overview

Entrance Requirements (suggested):

- High School Diploma or GED
- Completion of general education classes with minimum 2.0 GPA
- Valid CPR certificate
- Completed medical form exam (including immunizations and/or titers)
- Drug screening
- Criminal background screening

Completion Requirements:

- Complete a minimum of 74 semester hours of credit with a degree grade point average of 2.0 or higher.
- Complete the required core courses with a grade of "C" or higher.

Instructional Delivery Methodologies:

- Classroom
- Laboratory/Clinic
- Distance Learning
- On-site clinical practicums with local providers

Licensure Requirements

- Must be 18 years old
- Has received a degree from an institution accredited by CAPTE
- Has passed the NPTE exam
- Has taken an approved HIV/AIDS course within the first year of licensure
- Must complete 24 hours of approved continuing education within the two year licensure period

Articulation Opportunities:

A master's level education is now required for licensure as a Physical Therapist. Opportunities exist for articulation agreements into bachelors' programs that will prepare the student for the graduate-level program. Beginning in 2020, physical therapists will be required to hold doctorate degrees.

Accreditation Requirements

Accrediting Agency: Commission on Accreditation in Physical Therapy Education (CAPTE)
(Part of the American Physical Therapy Association (APTA))

Website: <http://www.apta.org>

Fees:

- Pre-accreditation (billed with application materials): \$12,000
- Annual Fees: \$2,825 for 2008, increasing \$125 per year thereafter
- Cost of on-site visit is included in annual fee

Process:

- Initial three-day on-site visit early in the last term of the charter class and then, thereafter, if and when deemed necessary by CAPTE.
- Annual written report as required by CAPTE.

Facilities Requirements¹

	Size	Comments
Program Manager Office	135sf	Other administrator office
Full-time Faculty Office	120sf	Faculty office - single
Classroom	625sf	Standard classroom for maximum 25 students
Clinic	2,000sf	Space calculated for 25 students
Hydrotherapy	550sf	Requires special plumbing
Lockers, Showers, Toilets, Faculty	120	
Lockers, Showers, Toilets, Students	225	
Storage, material	250	
Toilet, patient	75	

¹Source: FDOE State Requirements for Educational Facilities

Student Services Impact

Advising	Minimal
Financial Aid	Minimal
Student Learning Center	Minimal

Equipment Requirements

Type	Estimated Capital Outlay	Comments
Various	Est. \$150,000-\$200,000	See attached suggested list from FDOE

Budget & Pro Forma Projections

Students -- Limited Access: Admit 25-30 students each Fall Term

Semester	Headcount	FTE for Fall Semester	FTE per Year
1 st Fall Semester	25	7.5	18.3
3 rd Fall Semester	50	16.7	37.5
5 th Fall Semester	50	16.7	37.5

Assumptions:

1. 90% retention rate
2. Students are full time. Follows IRCC schedule.
3. Students complete Gen Ed requirements before entering program in Fall Term.
4. FTE calculated for core courses only.

Personnel

	Annual Salary^{1,2}	Number Year 1	Number Year 3	Number Year 5
Program Manager	\$57,600	1	1	1
Full-Time Faculty	\$53,760	1	1	1
Adjunct Faculty	\$2,100/class	0	4	4
Administrative	\$26,880	0.5	0.5	0.5

¹Includes benefits calculated at 28% for full-time employees and 17% for adjunct faculty

²Based on 2007 rates

Assumptions:

1. One program manager and one full-time faculty member are required by CAPTE
2. Four classes will be taught by adjuncts annually. Grid reflects number of classes taught, not number of adjuncts.

Other

	Year 1	Year 3	Year 5
Maintenance (Equipment contracts)	\$1,500	\$1,600	\$1,700
Supplies	\$10,000	\$10,200	\$10,900
Computers/IT Equip (2 computer set-ups)	\$3,000	-	\$3,600
Marketing ¹	\$20,000	\$10,000	\$7,500
Capital Outlay	\$150,000	-	-
Accreditation	\$12,000	\$3,075	\$3,325
COL Salary Increases	-	4.0%	4.0%
Inflation	3.0%	3.5%	3.5%

¹Marketing expenses are rough estimates and were not provided by Dr. Truman.

Assumptions:

1. Program begins in 2008
2. Three percent inflation from year 1 to year 2, increasing to 3.5% thereafter.

Library

Impact: Minimal

Information Technology

Impact: None

Source of Funds

FTE
Tuition
Scholarship agreements with employers
Grants (Perkins, etc.) for equipment
Donations (naming rights) for equipment and clinic

**Palm Beach Community College
Program Health Indicators**

Program/Department: Cosmetologist

Program enrollment							
	2004-05	2005-06	2006-07	2007-08	2008-09	4- year change	1- year change
Sections offered	48	54	59	65	86	+79.2%	+32.3%
Duplicated headcount	594	640	677	767	1,063	+79.0%	+38.6%
Generated FTE	79.2	85.3	90.3	102.3	141.7	+79.0%	+38.6%
% of fall/spring sections taught by full-time faculty	0.0%	0.0%	0.0%	0.0%	0.0%	0.0 pts.	0.0 pts.
Course success rate (A/B/C/S)	92.9%	93.6%	92.9%	89.6%	90.9%	-2.0 pts.	+1.3 pts.
Course withdrawal rate	1.3%	0.8%	1.5%	2.1%	1.8%	+0.5 pts.	-0.3 pts.

Graduates and completion points										
	<u>Program graduates</u>					<u>Occupational completion points (OCPs)</u>				
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09
<u>PSAV Certificate</u>										
Cosmetologist (5357)	32	43	41	38	40	36	48	40	52	57