

**Major Highlights**

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**Program Dashboard –  
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**Nursing  
Major Highlights  
February 2008**

Overview

The information contained in this binder represents supporting reports and data associated with the CRC's review of the Nursing program. These reports are intended to provide a historical perspective, as well as an idea of current strengths and future challenges facing the program which may impact short and long term curriculum development.

Major Highlights

- Although the composite dashboard score for Nursing has steadily declined over the past four years, the program has consistently maintained a high composite score over this same time period, and at 10.88 in 2006-07, the program ranked the third highest of all 100 curriculum offered at the college.
- Three out of the seven program dashboard measures exceeded the college benchmarks and the remaining four fell within the established benchmarks, which in total has contributed to the high composite score. The measures that exceeded expectations include the percent of completed sections, the percent of minority students, and the student course completion rate.
- Over the past four years the percent of completed sections has been quite consistent and has ranged between 94% and 95%, above the college-wide average of 91%. In terms of student success, the number of students that complete Nursing courses with a grade of "C" or higher has been consistent over the same four-year period, fluctuating between 90% and 92%.
- Meanwhile, the percent of minority students in the program has been steadily increasing over the past four years, and at nearly 39% in 2006-07, is well above the college-wide 28%.
- Between 1996-97 and 2000-01 credit hour enrollment sharply declined. However, since then, enrollment has for the most part increased and in 2005-06, reached a peak of 9,142 credit hours. During the most recent year (2006-07) Nursing was the 18<sup>th</sup> largest credit hour producing program at 8,877 credit hours.
- Over the past ten years, a total of 1,718 Nursing degrees and certificates have been awarded among the various program options. The largest number of awards are granted in the Nursing Associate Degree program. With an average of 137 degrees per year, Nursing is the 4<sup>th</sup> highest degree granting program among all degrees awarded within the college.

- The Practical Nurse Education program reached a peak of 19 certificates awarded in 2001-02, but since then has only had one graduate. The Second Year Nursing Completion Option program has averaged 14 associate degrees awarded every other year since 2002-03, ranking it the 14<sup>th</sup> highest of all degrees in 2006-07. The Nursing program involving the Transitional LPN to ADN Track has declined in the number of degrees awarded since 2002-03, but still experienced 33 degrees for an annual average and ranked the 12<sup>th</sup> highest in the college in 2006-07. Finally, the Modified Career Ladder PN program has averaged approximately 10 graduates per year over the last ten years and was most recently ranked the 3<sup>rd</sup> highest of all certificate programs.
- According to Economic Modeling Specialists Inc., there are three primary occupations most closely related to the Nursing programs, which include Registered Nurses, Licensed Practical and License Vocational Nurses, and Nursing Aides, Orderlies, and Attendants. All three occupations are expected to show growth in the next five years, with the largest increase projected with Registered Nurses showing just under 4,000 new jobs in the four-county region of southeast Michigan. Of the three occupations, it also had the largest number of current jobs in the region with over 38,000, and the highest average earnings. Adding all of the projections together for the three occupations brings a grand total of approximately 6,200 new jobs in the region by 2012.
- In terms of program assessment, the Nursing assessment plan has ten unique Learning Outcomes and has a total of 51 Benchmarks, which is in accordance with the guidelines established by the Student Outcomes Assessment Committee. Most of the learning outcomes share the same basic benchmarks and assessment methods, which includes both direct measures of student performance and indirect measures involving surveys.
- Between January 2007 and February 2008, 40 of the 51 benchmarks were assessed (78%) and of those that were assessed, 36 benchmarks were met and the remaining 4 had been assessed with no supporting raw data or determination that showed they had been met. Several of the benchmarks had not been assessed due to the plan including the Mosby Assessment Test, and this test is no longer administered in the program. Additionally, no suggestions of any changes were made with the program as a result of program assessment activities.

## **Oakland Community College Program Dashboard**

The purpose of the program dashboard is to provide a data driven tool designed for the objective review of all curriculum offerings. Based on a common set of measures which apply to all programs/disciplines the dashboard facilitates the systematic identification of well performing as well as ailing curriculum so early intervention efforts can be undertaken.

In a rapidly changing economic and competitive environment it is necessary if not imperative to continually review curriculum offerings annually. Dashboard reports are a useful tool for monitoring program performance. In addition, they allow for an integrated approach for collecting, presenting, and monitoring data to meet long and short-term programmatic decision-making needs.

The Program Dashboard is based on seven measures which include:

- Sections Filled to Capacity
- Percent of Completed Sections
- Credit Hour Trend Ratio
- Percent of Minority Students
- Percent of Withdrawals
- Percent of Incompletes
- Student Course Completion Rate

The following report provides summative information for the most recent academic year as well as detailed trend data on each measure over the past several years.

# Program Dashboard Detail Report

**Prefix** NUR  
**Title** Nursing

	<b>Program</b>				<b>College Wide</b>
	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>	<b>2006-07</b>
<b>Sections Filled to Capacity</b>	87.7%	89.9%	84.9%	119.8%	84.4%
<b>Percent of Completed Sections</b>	93.5%	94.6%	94.9%	94.8%	90.7%
<b>Headcount Trend Ratio</b>	0.98	1.02	1.00	1.18	1.01
<b>Credit Hour Trend Ratio</b>	0.99	1.02	0.97	1.17	1.01
<b>Percent of Minority Students</b>	38.5%	38.1%	34.5%	33.7%	28.2%
<b>Percent of Withdrawals</b>	2.7%	3.1%	2.8%	2.8%	18.3%
<b>Percent of Incompletes</b>	1.8%	1.4%	1.6%	3.2%	1.5%
<b>Student Course Completion Rate</b>	91.8%	90.5%	91.5%	89.5%	67.7%
<b>Dashboard Score</b>	10.88	10.91	10.64	11.46	

## Sections Filled to Capacity

**Prefix**        NUR  
**Prefix Title**    Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Total Students</b>	2,730	2,889	2,325	2,926
<b>Total Capacity</b>	3,112	3,214	2,738	2,443
<b>Sections Filled To Capacity</b>	87.7%	89.9%	84.9%	119.8%

**Definition:**

The percent of all available seats which are filled on the terms official census date. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: One-tenth-day of each term.

**Methodology:**

Total number of sections (credit courses only) that are filled to their designated capacity e.g. allocated seats divided by the total number of available seats in all sections throughout the academic year (July 1 through June 30). In other words, how many sections are filled to their capacity on the sections 1/10 day out of all sections? Include sections that are more than filled / overflowing in calculation.

One-Tenth Day data shows the capacity filled numbers at approximately 3 weeks after the Fall and Winter terms begin; and 1 week after the Summer I and II terms begin. This data will not provide additional enrollment data if the sections begin after the one-tenth day.

While a section may only have a few students enrolled in it the college is able to designate some sections as 'full' so that they are not cancelled (per OCCFA Master Agreement). Therefore some disciplines may show low fill capacity rates, and the college never cancelled the sections or condense the students into fewer sections offering the same course.

## Percent of Completed Sections

**Prefix**        NUR

**Prefix Title**    Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Active Sections</b>	115	122	149	127
<b>Cancelled Sections</b>	8	7	8	7
<b>Total Sections</b>	123	129	157	134
<b>Percent of Completed Sections</b>	93.5%	94.6%	94.9%	94.8%

**Definition:**

Of all offered sections, the percent of sections that are completed (not cancelled). Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session, after grades are posted.

**Methodology:**

Annually, the total number of offered credit sections that are completed. Formula = number of completed credit sections divided by the total number of offered credit sections. In other words, the percent of these sections that are not cancelled.

## Headcount Trend Ratio

**Prefix**            NUR  
**Prefix Title**    Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Headcount Year 1</b>	2,926	2,796	2,418	1,693
<b>Headcount Year 2</b>	2,392	2,926	2,796	2,418
<b>Headcount Year 3</b>	2,945	2,392	2,926	2,796
<b>Headcount Year 4</b>	2,752	2,945	2,392	2,926
<b>Headcount Period 1</b>	2,754	2,705	2,713	2,302
<b>Headcount Period 2</b>	2,696	2,754	2,705	2,713
<b>Headcount Ratio</b>	0.98	1.02	1.00	1.18

**Definition:**

Trend in student headcount based on a three year rolling average. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: One-tenth-day of each term. (Note: this measure is not used in the calculation of the Program Dashboard score since it parallels trends depicted in Credit Hours.)

**Methodology:**

In order to establish a meaningful enrollment statistic which applies to large as well as small disciplines/programs a "ratio" was calculated based on a three year rolling average of student headcount.

The formula used to calculate this measure involves three simple steps:

- a. Year 1 + Year 2 + Year 3 / 3 = Period 1
- b. Year 2 + Year 3 + Year 4 / 3 = Period 2
- c. Period 2 / Period 1 = Ratio

If the ratio is greater than "1" this means there has been an enrollment increase. On the other hand, if the ratio is less than "1" this translates into an enrollment decline. The larger the number the larger the enrollment increase. Likewise, the lower the number the greater the enrollment decline.



## Credit Hour Trend Ratio

**Prefix**           NUR  
**Prefix Title**   Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Credit Hour Year 1</b>	9,326	8,772	7,398	5,565
<b>Credit Hour Year 2</b>	6,622	9,326	8,772	7,398
<b>Credit Hour Year 3</b>	9,350	6,622	9,326	8,772
<b>Credit Hour Year 4</b>	8,961	9,350	6,622	9,326
<b>Credit Hour Period 1</b>	8,432	8,240	8,498	7,245
<b>Credit Hour Period 2</b>	8,311	8,432	8,240	8,498
<b>Credit Hour Ratio</b>	0.99	1.02	0.97	1.17

**Definition:**

Trend in student credit hours based on a three year rolling average. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: One-tenth-day of each term.

**Methodology:**

In order to establish a meaningful enrollment statistic which applies to large as well as small disciplines/programs a "ratio" was calculated based on a three year rolling average of student credit hours.

The formula used to calculate this measure involves three simple steps:

- a. Year 1 + Year 2 + Year 3 / 3 = Period 1
- b. Year 2 + Year 3 + Year 4 / 3 = Period 2
- c. Period 2 / Period 1 = Ratio

If the ratio is greater than "1" this means there has been an enrollment increase. On the other hand, if the ratio is less than "1" this translates into an enrollment decline. The larger the number the larger the enrollment increase. Likewise, the lower the number the greater the enrollment decline.

## Percent of Minority Students

**Prefix** NUR  
**Prefix Title** Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Minority Students</b>	268	292	257	276
<b>Total Students</b>	697	767	745	819
<b>Percent of Minority Students</b>	38.5%	38.1%	34.5%	33.7%

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### Definition:

The percent of students who are minority. Minority status is self-reported by the student and includes: African American, Asian, Hispanic, Native American Indian and Other. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: end of session for each term.

### Methodology:

Percentages are based on known data and exclude missing information.

## Percent of Withdrawals

**Prefix** NUR  
**Prefix Title** Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Total Withdrawals</b>	72	88	64	77
<b>Total Grades</b>	2,665	2,851	2,319	2,797
<b>Percent of Withdrawals</b>	2.7%	3.1%	2.8%	2.8%

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**Definition:**

The percent of students who withdraw from their course after the term begins. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

**Methodology:**

Percent of withdrawals is derived by dividing the total number of student initiated withdrawals by the total number of grades and marks awarded throughout the academic year. The Withdrawal-Passing (WP), and Withdrawal-Failing (WF) are considered Withdrawals (W). Meanwhile, calculations exclude: Audit (AU), Not Attended (N), and Not Reported (NR).

## Percent of Incompletes

**Prefix** NUR  
**Prefix Title** Nursing

	<b>2005-06</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Total Incompletes</b>	48	41	36	89
<b>Total Grades</b>	2,665	2,851	2,319	2,797
<b>Percent of Incompletes</b>	1.8%	1.4%	1.6%	3.2%

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### Definition:

The percent of students who receive an incomplete in their course. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

### Methodology:

Percent of incompletes is derived by dividing the total number of incompletes by the total number of grades and marks awarded throughout the academic year. The Continuous Progress (CP) grade is considered an Incomplete (I). Meanwhile, calculations exclude: Audit (AU), Not Attended (N), and Not Reported (NR).

## Student Course Completion Rate

**Prefix** NUR

**Prefix Title** Nursing

	<b>2006-07</b>	<b>2005-06</b>	<b>2004-05</b>	<b>2003-04</b>
<b>Successful Grades</b>	2,447	2,580	2,122	2,502
<b>Total Student Grades</b>	2,665	2,851	2,319	2,797
<b>Student Course Completion Rate</b>	91.8%	90.5%	91.5%	89.5%

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**Definition:**

The percent of students who successfully complete a course with a grade of "C" or higher. Time Frame: Academic Year (Summer II, Fall, Winter, Summer I). Data Source: End of session files, after grades are posted.

**Methodology:**

Student success rates are based on end of session data after all grades have been posted. Data includes grades from the entire academic year (Summer II, Fall, Winter, and Summer I). The following grades/marks are excluded from the calculation: Audit (AU), Not Attended (N) and Not Reported (NR).

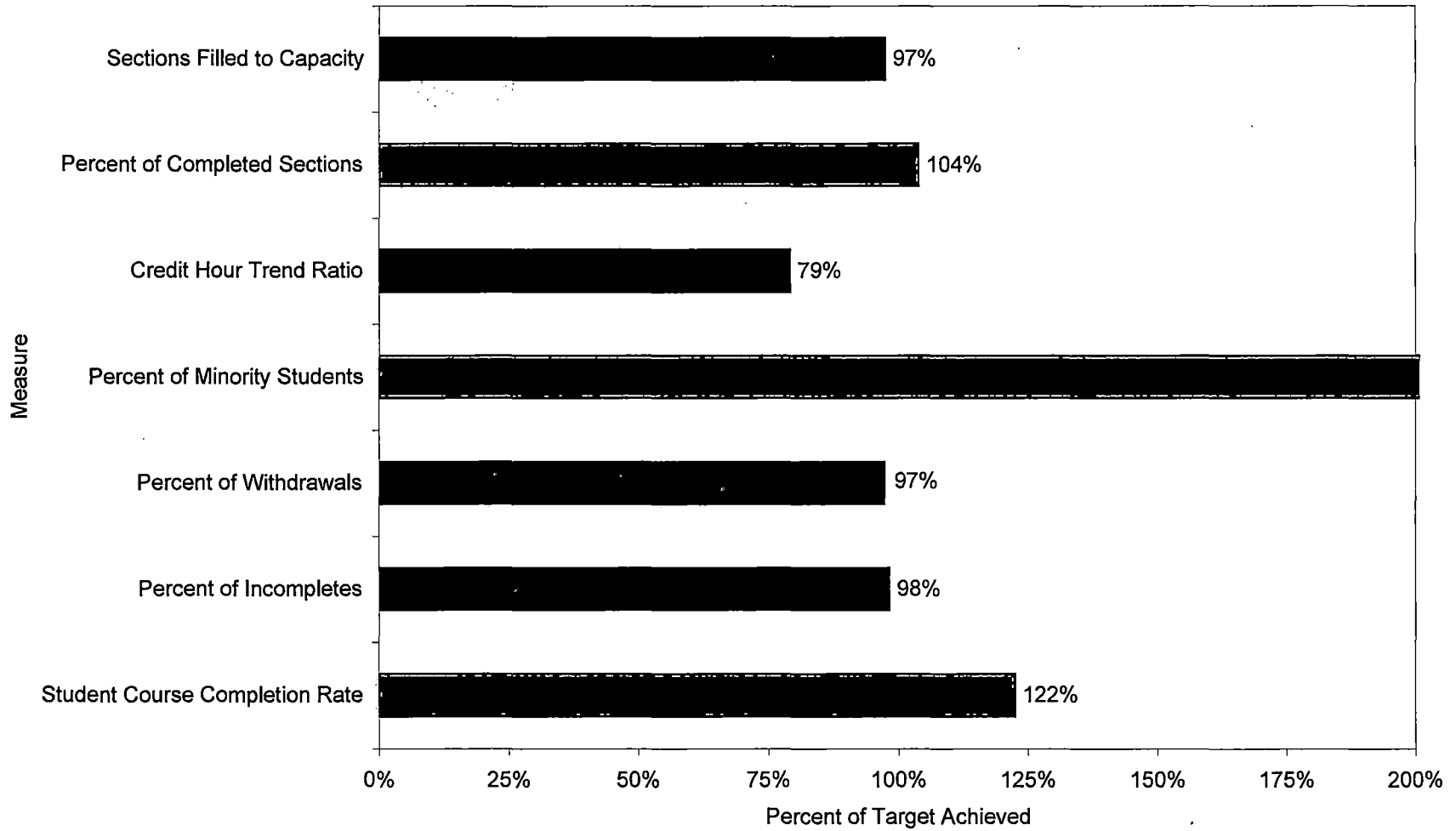
## **Oakland Community College Program Dashboard Percent of Targets Achieved**

The following graph and table depict the extent to which each of the seven Program Dashboard measures met established college-wide benchmarks. Benchmarks (targets and trouble scores) are based on historical data and reflect a range within which each measure is expected to perform.

Measures which exceed the established benchmark are depicted in green, while those that fall short of the benchmark are shown in red. This information is useful in identifying areas of excellence, as well as areas of concern. As a consequence, this report can help to identify specific areas which may require additional attention by program staff.

# Oakland Community College Program Dashboard Report 2006-07

## Nursing NUR



**Oakland Community College  
Program Dashboard Report  
2006-07**

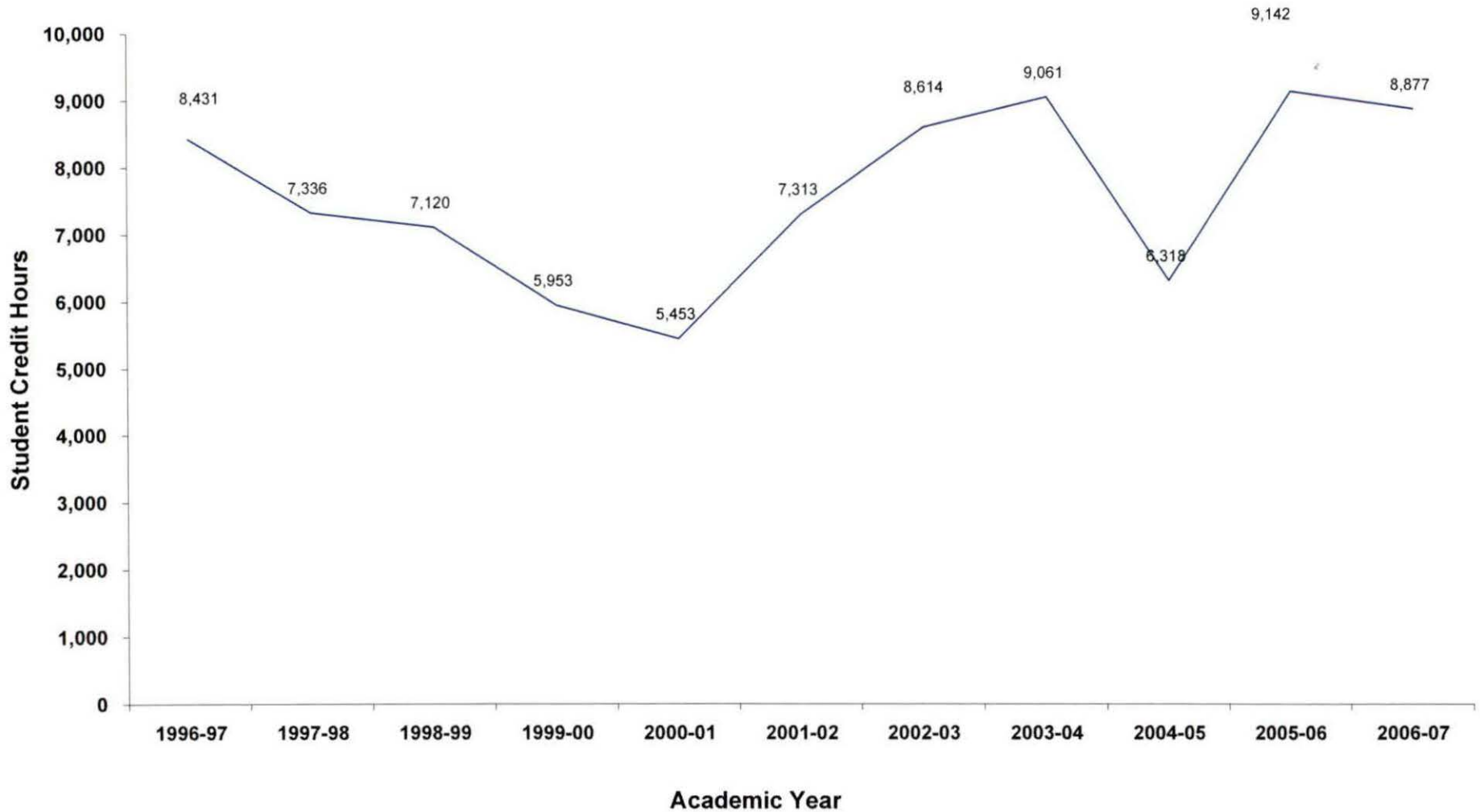
**Nursing NUR  
Dashboard Score: 10.88**

Measures	Benchmarks			Percent of Target Achieved	Weight	Weighted Score
	Current Score	Trouble Score	Target Score			
Sections Filled to Capacity	87.7%	75.0%	90.0%	97.4%	18.0%	1.75
Percent of Completed Sections	93.5%	75.0%	90.0%	103.9%	14.2%	1.48
Credit Hour Trend Ratio	0.99	0.71	1.25	79.2%	15.3%	1.21
Percent of Minority Students	38.5%	16.9%	18.8%	204.8%	6.1%	1.25
Percent of Withdrawals	2.7%	15.0%	0.0%	97.3%	12.0%	1.17
Percent of Incompletes	1.8%	3.0%	0.0%	98.2%	7.9%	0.78
Student Course Completion Rate	91.8%	60.0%	75.0%	122.4%	26.5%	3.24

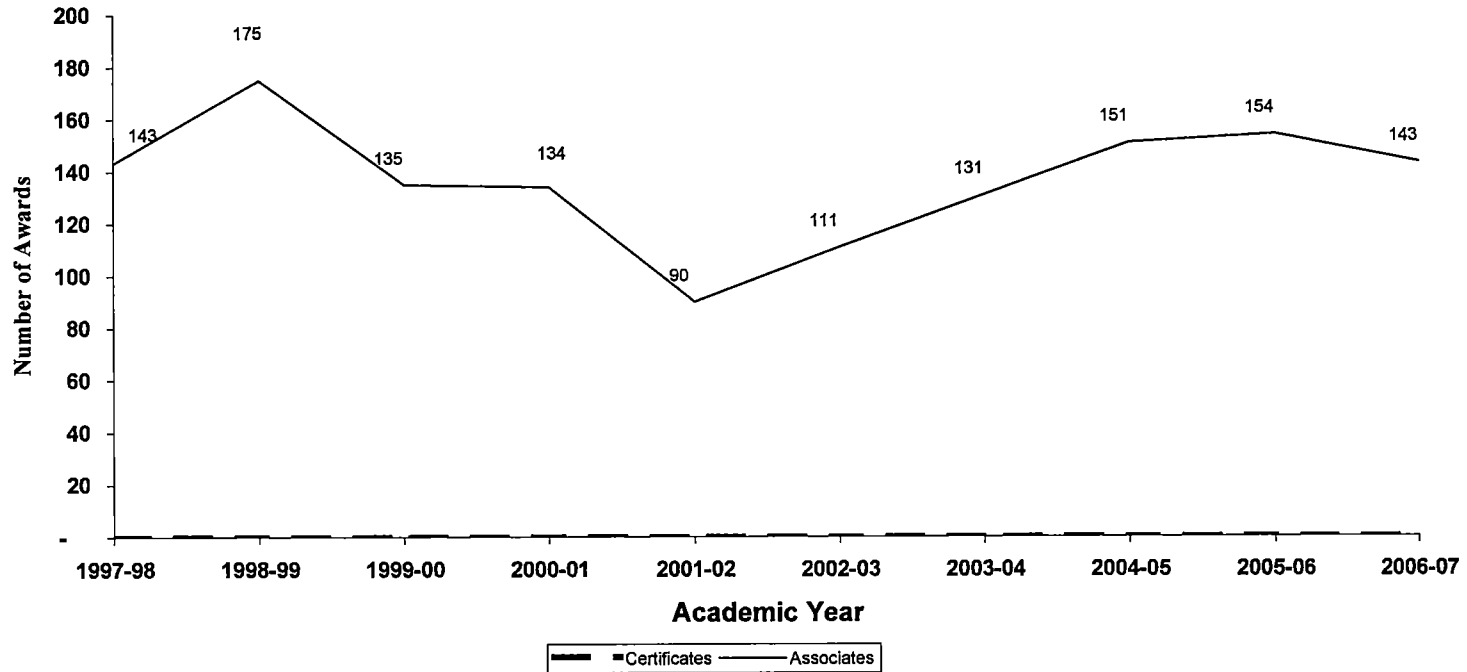


**Oakland Community College  
Ten-Year Trend in Student Credit Hours  
Nursing  
1996-97 through 2006-07**

	1996-97 SCH	1997-98 SCH	1998-99 SCH	1999-00 SCH	2000-01 SCH	2001-02 SCH	2002-03 SCH	2003-04 SCH	2004-05 SCH	2005-06 SCH	2006-07 SCH	5-Year % Change	10-Year % Change
Nursing	8,431	7,336	7,120	5,953	5,453	7,313	8,614	9,061	6,318	9,142	8,877	21.4	5.3
College Wide Totals	443,471	431,521	440,448	438,997	453,054	447,928	478,827	468,777	472,892	487,597	493,655	10.2	11.3

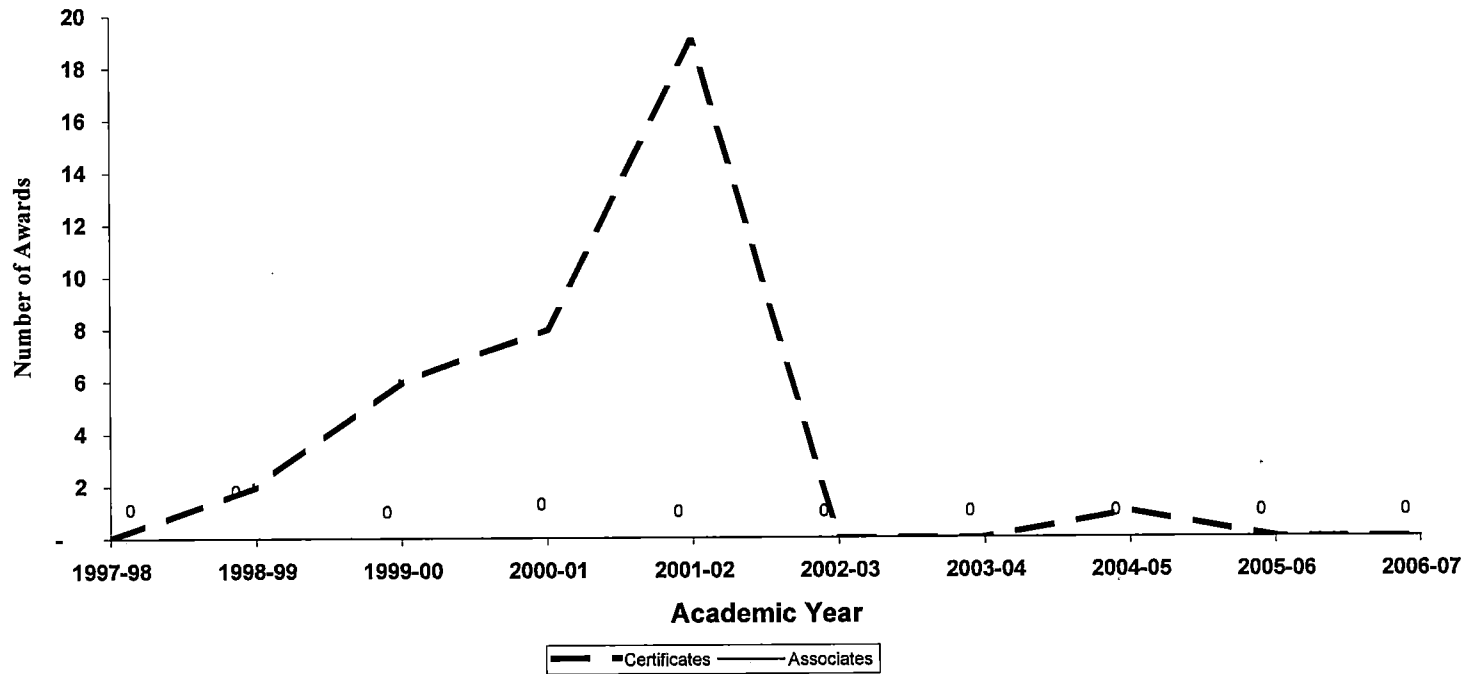


**Oakland Community College  
Associate Degrees and Certificates Awarded  
Nursing  
1997-98 through 2006-07**



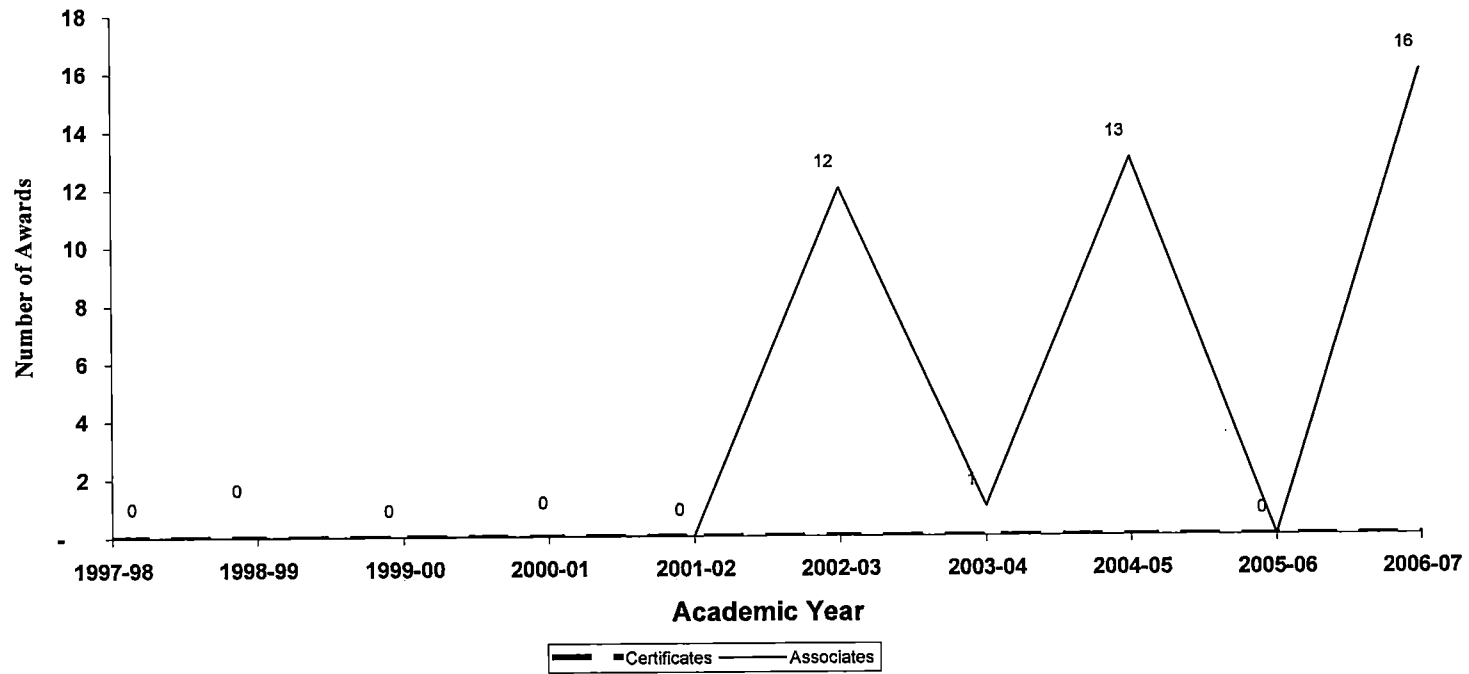
<u>Academic Yr.</u>	<u>Certificates</u>	<u>Associates</u>
1997-98	0	143
1998-99	0	175
1999-00	0	135
2000-01	0	134
2001-02	0	90
2002-03	0	111
2003-04	0	131
2004-05	0	151
2005-06	0	154
2006-07	0	143

**Oakland Community College  
Associate Degrees and Certificates Awarded  
Practical Nurse Education  
1997-98 through 2006-07**



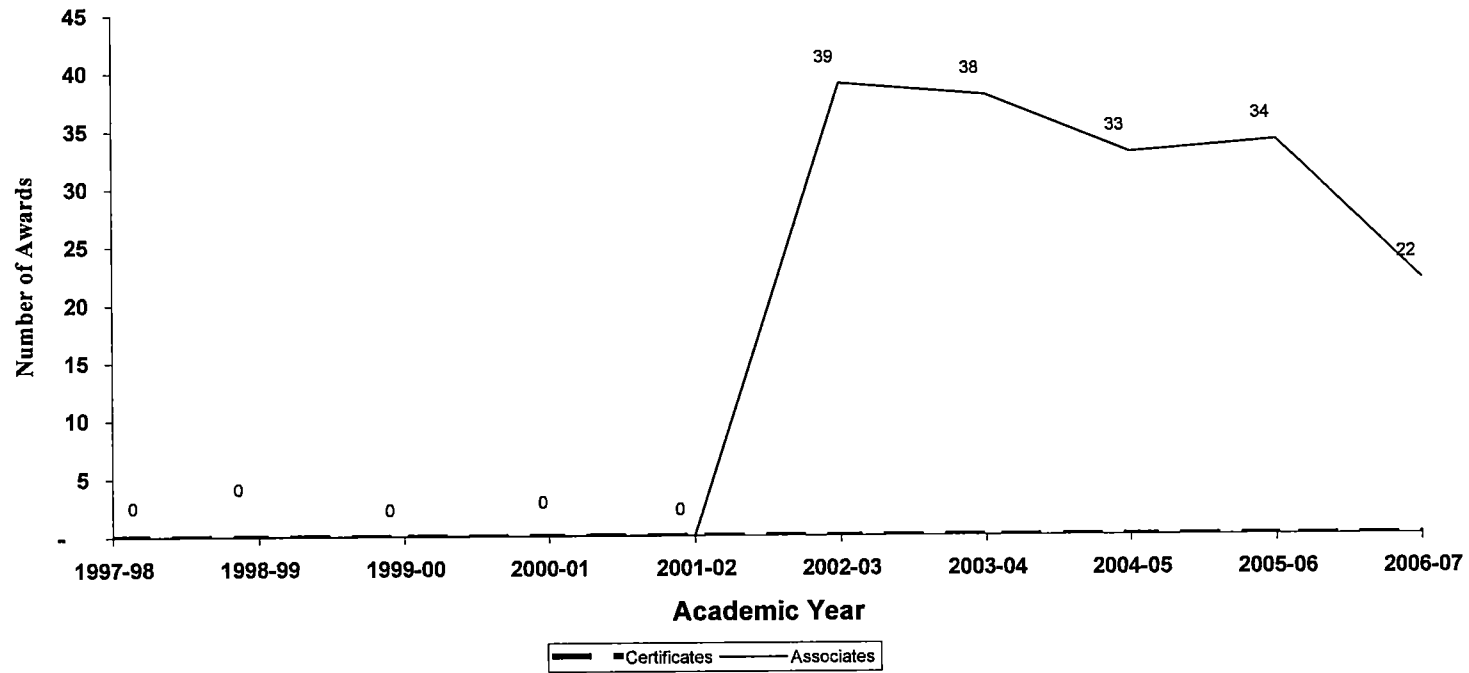
<u>Academic Yr.</u>	<u>Certificates</u>	<u>Associates</u>
1997-98	0	0
1998-99	2	0
1999-00	6	0
2000-01	8	0
2001-02	19	0
2002-03	0	0
2003-04	0	0
2004-05	1	0
2005-06	0	0
2006-07	0	0

**Oakland Community College  
Associate Degrees and Certificates Awarded  
NUR Nursing 2nd Year Completion  
1997-98 through 2006-07**



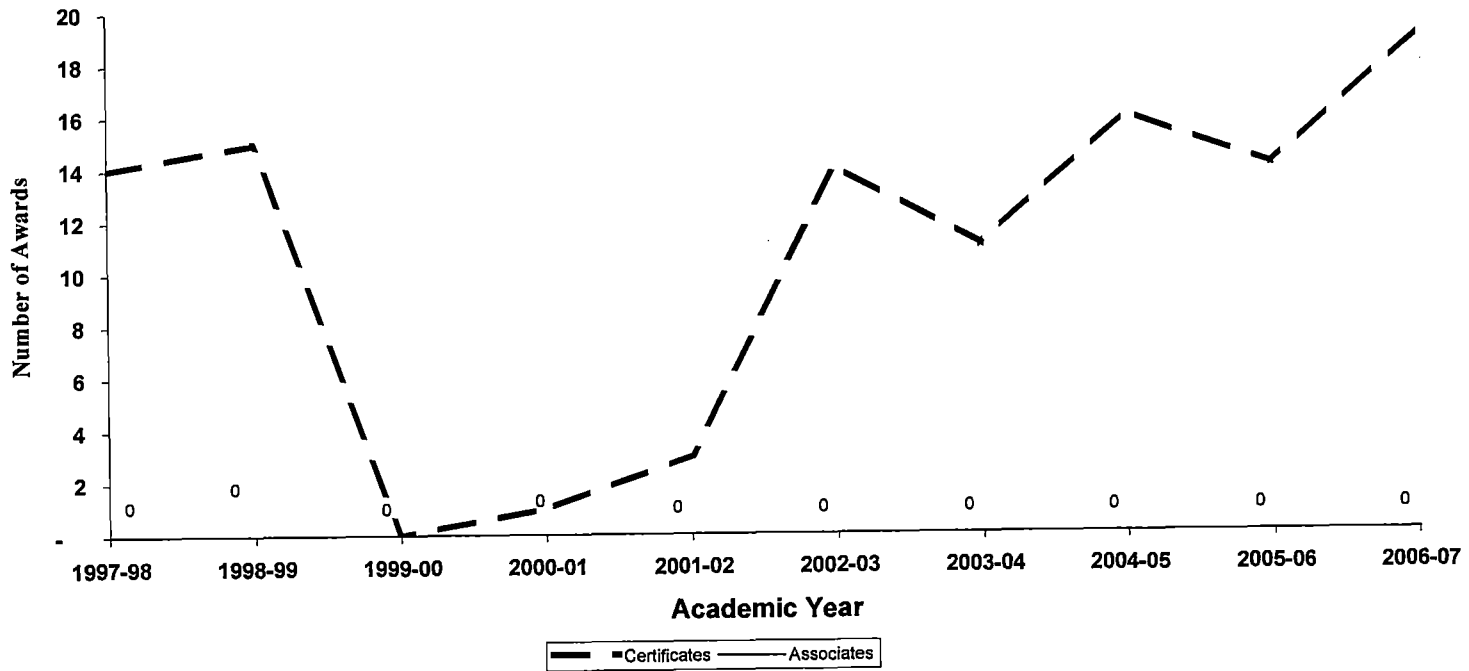
<u>Academic Yr.</u>	<u>Certificates</u>	<u>Associates</u>
1997-98	0	0
1998-99	0	0
1999-00	0	0
2000-01	0	0
2001-02	0	0
2002-03	0	12
2003-04	0	1
2004-05	0	13
2005-06	0	0
2006-07	0	16

**Oakland Community College  
Associate Degrees and Certificates Awarded  
NUR Transitional LPN  
1997-98 through 2006-07**



<u>Academic Yr.</u>	<u>Certificates</u>	<u>Associates</u>
1997-98	0	0
1998-99	0	0
1999-00	0	0
2000-01	0	0
2001-02	0	0
2002-03	0	39
2003-04	0	38
2004-05	0	33
2005-06	0	34
2006-07	0	22

**Oakland Community College  
Associate Degrees and Certificates Awarded  
Modified Career Laddered PN Program  
1997-98 through 2006-07**



<u>Academic Yr.</u>	<u>Certificates</u>	<u>Associates</u>
1997-98	14	0
1998-99	15	0
1999-00	0	0
2000-01	1	0
2001-02	3	0
2002-03	14	0
2003-04	11	0
2004-05	16	0
2005-06	14	0
2006-07	19	0

## **Occupational Projections (2007 – 2012)**

The following projections are for those occupations most closely associated with this program based on national and regional sources. However, the extent to which specific OCC programs lead to employment within a given Standard Occupational Code (SOC) is dependent upon the way in which the U.S. Department of Labor groups specific occupations.

Occupational projections are presented at the "Detailed Standard Occupational Code" level as defined by the U.S. Department of Labor.

Although based on sound well tested economic modeling procedures, projections are subject to change based on emerging economic, political and social forces.

These projections reflect the four county region of Oakland, Macomb, Livingston and Wayne counties.

Projections are based on data from 24 major data sources, including the U.S. Department of Commerce, Bureau of Labor Statistics (BLS), Internal Revenue Service (IRS), and Census data. To forecast occupational demand at the county level, BLS data are regionalized and adjusted for emerging technological changes, the age of workers by occupation, and other factors affecting occupational demand.

Occupational forecast data was obtained from CCbenefits Inc. Community College Strategic Planner (CCSP).

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Nursing Related Occupations (2007 - 2012)

SOC Code	Name	Education	Base	Five Year	Job Change	Ind Mix Effect	Nat Gro Effect	Expct Chng	Compet Effect	Earnings Average	Earnings Median
29-1111	Registered nurses	Associate's degree	38,294	42,252	3,959	2,951	2627	5579	-1620	\$27.89	\$27.14
29-2061	Licensed practical and licensed vocational nurses	Postsecondary vocational award	6,420	6,840	419	167	441	608	-188	\$19.44	\$19.56
31-1012	Nursing aides, orderlies and attendants	Postsecondary vocational award	20,307	22,137	1,830	1,114	1393	2508	-678	\$11.48	\$11.18
<b>Totals:</b>			65,021	71,229	6,208						

Job Change- Column represents the addition of new jobs due to growth over the projection period. Indicates how many jobs will be added in the region over the selected time frame.

Industry Mix Effect- Column indicates how many of those jobs are due to movement within the industry at the national level. If the industry is growing across the nation, this is what is expected in the local area.

National Growth Effect- Column shows how the national economy affects the industry or occupation. This operates on the "rising tide carries all ships" assumption. If the economy is doing well, it is expected that this field in the region would benefit from that effect.

Expected Change- Column combines the Industry Mix Effect column and the National Growth Effect column to indicate how much the field is expected to grow in the region, without the input of variables within the economy. This is what is expected to happen if the local economy merely followed national trends.

By netting the Expected Change result out of the Job Change result, the Competitive Effect column shows the jobs that have been added in a field in the region due to growth specific to the region. These are the jobs created locally which aren't merely following national trends. A high Competitive Effect number indicates that the region has found some way to foster growth beyond other regions or even perhaps in spite of decline at the national level.



**SOC Code 29-1111**

Name Registered nurses

Definition

Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Include advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and ho function in highly autonomous and specialized roles.

Examples: Nursing Supervisor, Nurse Midwife, Nurse Practitioner

**SOC Code 29-2061**

Name Licensed practical and licensed vocational nurses

Definition

Care for ill, injured, convalescent, or disabled persons in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

Examples: Licensed Attendant

**SOC Code 31-1012**

Name Nursing aides, orderlies, and attendants

Definition

Provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens. Exclude "Home Health Aides" (31-1011) and "Psychiatric Aides" (31-1013).

Examples: Certified Nursing Assistant, Hospital Aide, Infirmary Attendant

Source: OCC, Office of Assessment & Effectiveness (CCSP)

## Occupational Skills Analysis

The following report provides detailed information on the knowledge, skills and abilities required for a given occupation. Consideration of these different competencies and levels of attainment while designing and reviewing curriculum will ensure that students enrolled in our programs are adequately prepared for employment.

In particular this report provides:

### Importance of the competency to the occupation (in general terms)

- Not important
- Somewhat important
- Important
- Very important
- Extremely important

### Importance of the competency to the occupation (in specific terms).

- 0 to 20 = not important
- 21 to 40 = somewhat important
- 41 to 60 = important
- 61 to 80 = very important
- 81 to 100 = extremely important

### Level of Attainment in the competency required by the occupation:

- Basic = 0 to 24
- Intermediate = 25 to 49
- Advanced = 50 to 74
- Expert = 75 to 100

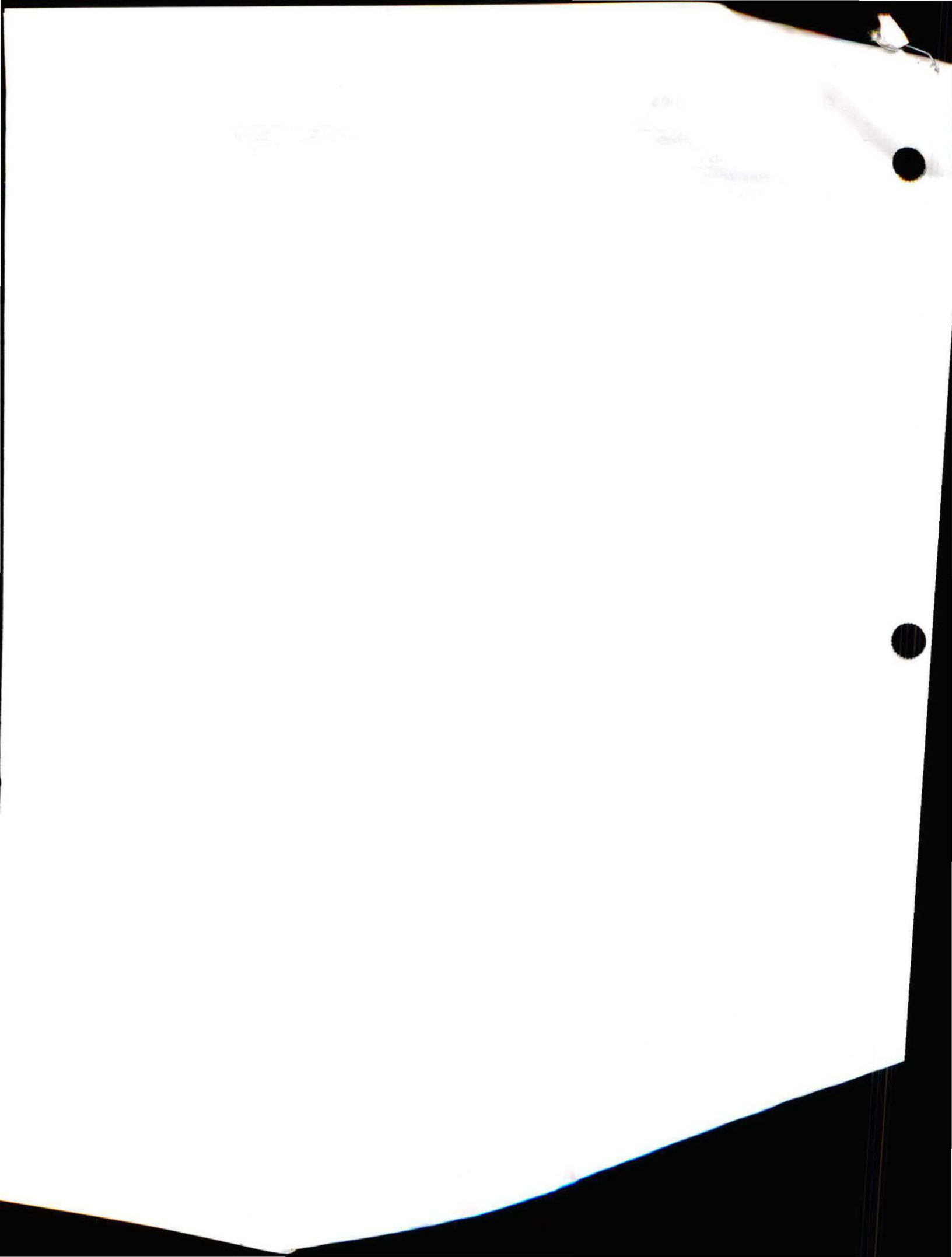
**Occupational Skills Analysis  
Registered Nurses (29-1111)**

*Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Includes advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and who function in highly autonomous and specialized roles.*

**Occupational Knowledge**

Knowledge	Importance	Imp (0-100)	Level	Lvl (0-100)
Psychology	Very Important	80	Expert	79
Customer and Personal Service	Very Important	79	Expert	77
Medicine and Dentistry	Very Important	86	Advanced	65
Therapy and Counseling	Important	61	Advanced	56
English Language	Important	65	Advanced	56
Education and Training	Important	59	Advanced	53
Biology	Important	62	Advanced	52
Sociology and Anthropology	Important	54	Advanced	50
Mathematics	Important	60	Advanced	50
Chemistry	Somewhat Important	48	Intermediate	47
Philosophy and Theology	Somewhat Important	43	Intermediate	46
Law and Government	Somewhat Important	43	Intermediate	39
Public Safety and Security	Somewhat Important	48	Intermediate	36
Computers and Electronics	Somewhat Important	35	Intermediate	36
Personnel and Human Resources	Somewhat Important	36	Intermediate	34
Clerical	Somewhat Important	33	Intermediate	33
Administration and Management	Somewhat Important	35	Intermediate	32
Communications and Media	Somewhat Important	31	Intermediate	28
Mechanical	Somewhat Important	27	Intermediate	26
Physics	Somewhat Important	25	Basic	22
Foreign Language	Not Important	22	Basic	20
Telecommunications	Somewhat Important	25	Basic	18
Production and Processing	Not Important	18	Basic	17
Transportation	Not Important	18	Basic	17
Engineering and Technology	Not Important	15	Basic	16
Sales and Marketing	Not Important	16	Basic	14
Design	Not Important	9	Basic	12
Geography	Not Important	11	Basic	11
Economics and Accounting	Not Important	14	Basic	10
History and Archeology	Not Important	8	Basic	9
Food Production	Not Important	7	Basic	7
Fine Arts	Not Important	3	Basic	4
Building and Construction	Not Important	3	Basic	2

Source: O\*NET Database 11





## Occupational Skills

Skill	Importance	Imp (0-100)	Level	Lvl (0-100)
Social Perceptiveness	Very Important	77	Expert	78
Reading Comprehension	Very Important	85	Expert	77
Critical Thinking	Very Important	82	Expert	75
Active Listening	Very Important	90	Advanced	73
Time Management	Very Important	80	Advanced	73
Monitoring	Very Important	77	Advanced	72
Active Learning	Very Important	75	Advanced	72
Coordination	Very Important	75	Advanced	72
Service Orientation	Very Important	79	Advanced	72
Learning Strategies	Important	70	Advanced	71
Instructing	Very Important	82	Advanced	71
Speaking	Very Important	81	Advanced	70
Writing	Very Important	76	Advanced	68
Judgment and Decision Making	Important	72	Advanced	66
Complex Problem Solving	Important	64	Advanced	60
Persuasion	Important	56	Advanced	58
Mathematics	Important	64	Advanced	57
Science	Important	70	Advanced	55
Negotiation	Important	55	Advanced	55
Equipment Selection	Important	54	Advanced	53
Operation Monitoring	Important	54	Intermediate	48
Management of Personnel Resources	Important	50	Intermediate	47
Troubleshooting	Somewhat Important	48	Intermediate	41
Operations Analysis	Somewhat Important	32	Intermediate	37
Systems Evaluation	Somewhat Important	32	Intermediate	37
Technology Design	Somewhat Important	36	Intermediate	35
Quality Control Analysis	Somewhat Important	39	Intermediate	35
Operation and Control	Somewhat Important	32	Intermediate	33
Systems Analysis	Somewhat Important	31	Intermediate	31
Equipment Maintenance	Somewhat Important	25	Intermediate	26
Management of Material Resources	Somewhat Important	31	Intermediate	26
Management of Financial Resources	Not Important	16	Basic	14
Installation	Not Important	13	Basic	13
Repairing	Not Important	9	Basic	10
Programming	Not Important	7	Basic	7

Source: O\*NET Database 11

**Occupational Skills Report  
Nursing Aides, Orderlies, and Attendants (31-1012)**

Provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens.

**Occupational Knowledge**

Knowledge	Importance	Imp (0-100)	Level	Lvl (0-100)
Customer and Personal Service	Important	67	Advanced	64
Psychology	Somewhat Important	41	Advanced	57
English Language	Important	59	Intermediate	49
Education and Training	Important	57	Intermediate	45
Medicine and Dentistry	Important	50	Intermediate	40
Chemistry	Somewhat Important	39	Intermediate	31
Computers and Electronics	Not Important	22	Intermediate	29
Law and Government	Somewhat Important	29	Intermediate	28
Communications and Media	Not Important	24	Intermediate	27
Public Safety and Security	Somewhat Important	44	Intermediate	27
Transportation	Somewhat Important	32	Intermediate	26
Therapy and Counseling	Not Important	24	Intermediate	26
Clerical	Somewhat Important	41	Basic	24
Foreign Language	Somewhat Important	26	Basic	22
Personnel and Human Resources	Not Important	22	Basic	21
Administration and Management	Somewhat Important	39	Basic	21
Biology	Somewhat Important	35	Basic	20
Mathematics	Not Important	22	Basic	18
Telecommunications	Somewhat Important	30	Basic	18
Sociology and Anthropology	Not Important	16	Basic	18
Engineering and Technology	Not Important	20	Basic	17
History and Archeology	Not Important	15	Basic	16
Philosophy and Theology	Not Important	10	Basic	16
Food Production	Not Important	16	Basic	16
Production and Processing	Not Important	18	Basic	15
Design	Not Important	13	Basic	15
Mechanical	Somewhat Important	34	Basic	15
Physics	Somewhat Important	30	Basic	15
Geography	Not Important	9	Basic	13
Building and Construction	Not Important	17	Basic	12
Sales and Marketing	Not Important	20	Basic	12
Economics and Accounting	Not Important	16	Basic	9
Fine Arts	Not Important	2	Basic	2

Source: O\*NET Database 11

## Occupational Skills

Skill	Importance	Imp (0-100)	Level	Lvl (0-100)
Social Perceptiveness	Important	66	Advanced	71
Time Management	Important	73	Advanced	65
Monitoring	Important	69	Advanced	63
Instructing	Very Important	76	Advanced	62
Critical Thinking	Important	62	Advanced	60
Coordination	Important	73	Advanced	59
Speaking	Very Important	76	Advanced	59
Reading Comprehension	Important	62	Advanced	58
Service Orientation	Important	71	Advanced	56
Learning Strategies	Important	50	Advanced	53
Active Learning	Important	59	Advanced	53
Active Listening	Very Important	80	Advanced	53
Judgment and Decision Making	Important	61	Advanced	51
Equipment Selection	Somewhat Important	46	Advanced	50
Operation Monitoring	Somewhat Important	49	Intermediate	48
Persuasion	Important	54	Intermediate	46
Writing	Important	62	Intermediate	46
Troubleshooting	Somewhat Important	43	Intermediate	42
Systems Evaluation	Somewhat Important	38	Intermediate	40
Operation and Control	Somewhat Important	43	Intermediate	38
Mathematics	Somewhat Important	38	Intermediate	38
Technology Design	Somewhat Important	34	Intermediate	38
Complex Problem Solving	Important	50	Intermediate	37
Management of Personnel Resources	Somewhat Important	40	Intermediate	36
Science	Somewhat Important	33	Intermediate	35
Negotiation	Somewhat Important	45	Intermediate	35
Systems Analysis	Somewhat Important	38	Intermediate	32
Quality Control Analysis	Somewhat Important	36	Intermediate	32
Management of Material Resources	Somewhat Important	35	Intermediate	31
Operations Analysis	Not Important	22	Intermediate	27
Management of Financial Resources	Not Important	23	Intermediate	27
Installation	Not Important	21	Intermediate	26
Equipment Maintenance	Not Important	24	Basic	22
Repairing	Not Important	17	Basic	16
Programming	Not Important	10	Basic	9

Source: O\*NET Database 11

## Occupational Abilities

Ability	Importance	Imp (0-100)	Level	Lvl (0-100)
Oral Comprehension	Very Important	78	Advanced	64
Oral Expression	Important	72	Advanced	63
Speech Recognition	Important	69	Advanced	59
Problem Sensitivity	Very Important	81	Advanced	57
Near Vision	Important	69	Advanced	57
Written Comprehension	Important	66	Advanced	55
Static Strength	Important	66	Advanced	54
Arm-Hand Steadiness	Important	63	Advanced	54
Extent Flexibility	Important	60	Advanced	52
Selective Attention	Important	56	Advanced	50
Category Flexibility	Somewhat Important	47	Advanced	50
Inductive Reasoning	Important	63	Intermediate	48
Flexibility of Closure	Important	56	Intermediate	48
Deductive Reasoning	Important	63	Intermediate	46
Speed of Closure	Somewhat Important	47	Intermediate	46
Information Ordering	Important	60	Intermediate	46
Perceptual Speed	Important	50	Intermediate	46
Finger Dexterity	Important	50	Intermediate	46
Speech Clarity	Important	69	Intermediate	45
Trunk Strength	Important	63	Intermediate	45
Reaction Time	Somewhat Important	44	Intermediate	43
Written Expression	Important	50	Intermediate	43
Multilimb Coordination	Somewhat Important	47	Intermediate	41
Time Sharing	Somewhat Important	47	Intermediate	41
Far Vision	Important	50	Intermediate	41
Visual Color Discrimination	Somewhat Important	47	Intermediate	41
Visualization	Somewhat Important	41	Intermediate	39
Memorization	Somewhat Important	41	Intermediate	39
Auditory Attention	Somewhat Important	44	Intermediate	38
Gross Body Coordination	Important	50	Intermediate	36
Depth Perception	Somewhat Important	35	Intermediate	36
Manual Dexterity	Important	53	Intermediate	36
Originality	Somewhat Important	41	Intermediate	34
Response Orientation	Somewhat Important	41	Intermediate	34
Hearing Sensitivity	Important	50	Intermediate	34
Fluency of Ideas	Somewhat Important	38	Intermediate	34
Number Facility	Somewhat Important	38	Intermediate	32
Dynamic Strength	Somewhat Important	41	Intermediate	32
Stamina	Important	50	Intermediate	32
Control Precision	Somewhat Important	28	Intermediate	29
Speed of Limb Movement	Somewhat Important	25	Intermediate	27
Explosive Strength	Not Important	19	Intermediate	25
Gross Body Equilibrium	Somewhat Important	31	Basic	23
Mathematical Reasoning	Somewhat Important	28	Basic	21
Spatial Orientation	Not Important	19	Basic	20
Sound Localization	Not Important	16	Basic	16
Peripheral Vision	Not Important	19	Basic	14
Wrist-Finger Speed	Not Important	19	Basic	13
Dynamic Flexibility	Not Important	16	Basic	7
Rate Control	Not Important	13	Basic	7
Night Vision	Not Important	9	Basic	7
Glare Sensitivity	Not Important	3	Basic	2

Source: O\*NET Database 11



# Program Assessment Plan

## Nursing

### Statement of Purpose

The Associate Degree Nursing Program provides quality learning opportunities that prepare the graduates to provide direct nursing care at a beginning staff level in a variety of healthcare settings, to write The National Council Licensure Examination for Registered Nurses (NCLEX-RN) and to view learning as a life long process.

### Catalog Description

The Associate Degree Nursing (ADN ) curriculum is a 72 credit-hour program that leads to an Associate in Applied Science Degree and prepares the graduates to provide direct nursing care at a beginning staff level in a variety of health care settings. Successful completion of the program

requirements qualifies the students to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN ).

Satisfactory

achievement on this examination qualifies the graduates for licensure as Registered Nurses (RN s). Anyone who has been convicted of a felony may not be eligible for licensure. The course of study combines general education in the humanities and the biological, behavioral and social sciences with instruction in the theory and practice of nursing. Students must first be admitted to the college and must designate nursing (NUR) as their curriculum. Registration in the nursing courses is possible only after the student is admitted to the nursing program through a selection process based on a system of priorities. Basic admission requirements include:

- High school graduation or GED
- One year of high school (or equivalent) chemistry, algebra and biology with an average of 2.0 or better grade point in each
- A 90% or better on the Arithmetic Proficiency Examination
- Completion of BIO 1570 (or BIO 2710), BIO 2630 and BIO 2640 with 2.0 or better grade point within five years of the start of the fall nursing courses. The five-year period dates from the session during which the course was taken and closes at the first session in which the student is enrolled in the nursing program.
- Attendance at a nursing information session.

The Nursing Program is designed as a full-time study. However, students may elect part-time study by completing the majority of the required supportive and general education courses prior to selection.

# Program Assessment Plan

## Nursing

### Learning Outcomes

Integrate knowledge synthesized from nursing, the humanities, and the biological, behavioral and social sciences to meet the needs of adult clients.

Benchmark	Assessment Method	Timeline
1. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	The Dean of Nursing and the Nursing Faculty will review the results reported quarterly to the Dean via a summary report from the National Council of Nursing. The reports identifies the average passing percent in the state and nation for ADN nursing programs.	05/2008
2. 85% of the responding graduates surveyed will rate this program goal as satisfactory or higher.	The graduate survey developed by the Department of Nursing with the assistance of the OCC Institute of Research will be sent to graduates 18 months following graduation. The results will compile the scores (rating of 1-5, 5 being the highest) and analysis from the graduates on their ability to integrate knowledge from nursing, the humanities and the biological, behavioral and social sciences to meet the needs of adult clients.	08/2008
3. 85% of the responding employers/advisory committee surveyed will rate this program goal as satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to integrate knowledge from nursing, the humanities and the biological and social sciences to meet the needs of adult clients.	08/2008
4. 60% of the students will receive a score on the Mosby Assess Test indicating a predicted passage rate on the	Mosby Assess Test administered in the final course of the nursing program. The Mosby Assess Test is a	05/2008

# Program Assessment Plan

## Nursing

NCLEX.

computer scored, multiple choice examination designed to test essential nursing knowledge and evaluate the ability to apply that knowledge to various clinical situations. The test concentrates on clients' needs and covers nursing content equally in the core clinical areas. The questions have been field tested to ensure quality and validity of the questions. The questions reflect the latest knowledge, activities, procedures, medications, nursing diagnoses and terminology encountered by the entry level nurse.

5. 90% of the students will write nursing care plans (NCP) and papers at or higher than 75%.

Portfolio: NCP and term papers. A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for the development of nursing care plans and term papers evaluated at a 75% or higher using the developed Nursing Care Plan grading tool and term paper grading tool.

05/2008

# Program Assessment Plan

## Nursing

### Learning Outcomes

(Note: Repeated) Integrate knowledge synthesized from nursing, the humanities, and the biological, behavioral and social sciences to meet the needs of adult clients.

Benchmark	Assessment Method	Timeline
1. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Course coordinators report via the Course Summary Report the percentage of students completing the course (theory and clinical component) at 75% or higher.	09/2008
2.		
3.		
4.		
5.		

# Program Assessment Plan

## Nursing

### Learning Outcomes

Use the nursing process in providing individualized care for clients at various points along the continuum and across the life span in a variety of clinical settings.

Benchmark	Assessment Method	Timeline
1. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	NCLEX Test Results. The Dean of Nursing and the Nursing Faculty will review the results reported quarterly to the Dean via a summary from the National Council of Nursing.	05/2008
2. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to graduates 18 months following graduation. The report will compile the scores (rating of 1-5) 5 being the highest) and analysis from the graduates on their ability to utilize the nursing process in providing individualized care for clients.	08/2008
3. 85% of the responding employers/advisory committee surveyed will rate this program goal as satisfactory or higher.	Employer Survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis of the graduates' ability to utilize the nursing process in providing individualized care for clients.	08/2008
4. 60% of the students will receive a score on the Mosby Assess Test indicating a predicted passage rate on NCLEX.	Mosby Assess Test. The Mosby Assess Test is a computer scored, multiple choice examination designed to test essential nursing knowledge and evaluate the ability to apply that knowledge to various clinical	05/2008

# Program Assessment Plan

## Nursing

situations. The test concentrates on clients' needs and covers nursing content equally in the core clinical areas. The questions have been field tested to ensure quality and validity of the questions. The questions reflect the latest knowledge, activities, procedures, medications, nursing diagnoses and terminology encountered by the entry level nurse.

5. 90% of the students will design nursing care plans and papers at or higher than 75%.

Portfolio: NCP and term papers. A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for development of nursing care plan evaluated at a 75% or higher utilizing the developed Nursing Care Plan Grading Tool.

05/2008

# Program Assessment Plan

## Nursing

### Learning Outcomes

(Note: Repeated) Use the nursing process in providing individualized care for clients at various points along the continuum and across the life span in a variety of clinical settings.

Benchmark	Assessment Method	Timeline
1. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report the percentage of students completing the course at 75% or higher.	09/2008
2.		
3.		
4.		
5.		

# Program Assessment Plan

## Nursing

### Learning Outcomes

Utilize critical judgment and critical thinking in the practice of nursing.

Benchmark	Assessment Method	Timeline
1. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	NCLEX Test Results. The Dean of Nursing and the Nursing Faculty will review the results reported quarterly to the Dean via a summary report from the National Council of Nursing.	05/2008
2. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to graduates 18 months following graduation. The report will compile the scores (ratings 1-5, 5 being the highest) and analysis from the graduates on their ability to use critical judgment and to critically think in nursing practice.	08/2008
3. 85% of the responding employers/advisory committee surveyed will rate this program goal as satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be conducted biannually. The results will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to use critical judgment and critical thinking in nursing practice.	08/2008
4. 60% of the student will receive a score on the Mosby Assess Test indicating a predicted passage rate on NCLEX.	Mosby Assess Test (N2540). The Mosby Assess Test is a computer scored, multiple choice examination designed to test essential nursing knowledge and evaluate the ability to apply that knowledge to various	05/2008



# Program Assessment Plan

## Nursing

clinical situations. The test concentrates on clients' needs and covers nursing content equally in the core clinical areas. The questions have been field tested to ensure quality and validity of the questions. The questions reflect the latest knowledge, activities, procedures, medications, nursing diagnoses and terminology encountered by the entry level nurse.

5. 90% of the students will write nursing care plans (NCP) and papers at or higher than 75%.

Portfolio: NCP and term papers. A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for the development of nursing care plans and term papers evaluated at 75% or higher using the developed grading criteria tools.

05/2008

# Program Assessment Plan

## Nursing

### Learning Outcomes

(Note: Repeated) Utilize critical judgment and critical thinking in the practice of nursing.

Benchmark	Assessment Method	Timeline
1. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report the percentage of students completing the course at 75% or higher.	09/2008
2.		
3.		
4.		
5.		

# Program Assessment Plan

## Nursing

### Learning Outcomes

Utilize principles of caring in the practice of nursing.

Benchmark	Assessment Method	Timeline
1. 85% of the responding employers/advisory committee members surveyed will rate this program goal satisfactory or higher.	Employer Survey. The employer survey developed by the department of Nursing with the assistance of the OCC Office of Institutional Research will be conducted biannually. The results will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to utilize the principles of caring in the practice of nursing.	08/2008
2. 80% of the students will pass the clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report the percentage of students completing the course at 75% or higher.	09/2008
3. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate Survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be sent to the graduates 18 months following graduation. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis from the graduates on their ability to utilize the principles of caring in nursing practice.	08/2008
4.		
5.		

# Program Assessment Plan

## Nursing

### Learning Outcomes

Perform competently the clinical skills required for safe nursing care.

Benchmark	Assessment Method	Timeline
1. 85% of the responding employers/advisory committee surveyed will rate this program goal satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to competently perform clinical skills.	08/2008
2. 80% of the students will pass the clinical component of each nursing course at or higher than 75%.	zClinical evaluation tool. A review of the clinical evaluation tools for each student enrolled in the course, will be reviewed by each course coordinator for completion of the clinical component at 75% or higher.	09/2007
3. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	NCLEX Test Results. The Dean of Nursing and Nursing Faculty will review the results reported quarterly to the Dean via a summary report from the National Council of Nursing.	05/2008
4. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on their ability to perform clinical skills competently and safely.	08/2008
5.		

# **Program Assessment Plan**

## **Nursing**

# Program Assessment Plan

## Nursing

### Learning Outcomes

Communicate effectively with culturally diverse clients, families, significant others, and members of the health care team.

Benchmark	Assessment Method	Timeline
1. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report Form the percentage of students completing the course at 75% or higher.	09/2008
2. 80% of the students will utilize therapeutic communication techniques with clients, families, significant others and members of the health care team.	zJournal (N2540); Clinical evaluation tool. A review of the clinical evaluation tool for each student enrolled in the course, will be reviewed by the course coordinator for meeting the course objective to effectively communicate. A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for discussion of communication techniques.	09/2007
3. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on their ability to communicate effectively with culturally diverse clients, families, significant other, and members of the health care team..	08/2008
4. 85% of the responding employer/advisory committee members surveyed will rate this program goal satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be conducted biannually. The report will compile the scores (rating of	08/2008

# Program Assessment Plan

## Nursing

1-5, 5 being the highest) and analysis on the graduates' ability to communicate effectively with culturally diverse clients, families, significant others, and members of the health care team.

5. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.

NCLEX Test Results. The Dean of Nursing and Nursing Faculty will review the results reported quarterly to the Dean via a summary report from the National Council of Nursing.

05/2008

# Program Assessment Plan

## Nursing

### Learning Outcomes

Teach clients and families to promote, maintain or restore health.

Benchmark	Assessment Method	Timeline
1. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	NCLEX Test Results. The Dean of Nursing and Nursing Faculty will review the results reported quarterly to the Dean via a summary report from the National Council of Nursing.	05/2008
2. 85% of the responding graduates surveyed will rate this program goal as satisfactory or higher.	Graduate Survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on their ability to teach clients and families to promote, maintain or restore health.	08/2008
3. 85% of the responding employers/advisory committee members surveyed will rate this program goal as satisfactory or higher.	Employer Survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to teach clients and families to promote, maintain or restore health.	08/2008
4. 60% of the students will receive a score on the Mosby Assess Test indicating a predicted passage rate on NCLEX.	Mosby Assess Test (N2540). The Mosby Assess Test is a computer scored, multiple choice examination designed to test essential nursing knowledge and evaluate the ability to apply that knowledge to various clinical situations. The test concentrates of clients needs	05/2008



# Program Assessment Plan

## Nursing

and covers nursing content equally in the core clinical areas. The questions have been field tested to ensure quality and validity of the questions. The questions reflect the latest knowledge, activities, procedures, medications, nursing diagnoses and terminology encountered by the entry level nurse.

5. 90% of the students will design nursing care plans and papers at or higher than 75%.

zPortfolio: NCP and term papers. A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for the development of nursing care plans and term papers evaluated at 75% or higher using the develop grading criteria tools.

05/2007

# Program Assessment Plan

## NUR Transitional LPN

### Learning Outcomes

(Note: Repeated) Teach clients and families to promote, maintain or restore health.

Benchmark	Assessment Method	Timeline
1. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report Form the percentage of students completing the course at 75% or higher.	09/2008
2. 80% of the students will develop and implement a teaching plan for a healthy pregnant women.	zTeaching project of a healthy pregnant women (N1510). A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for the development of the teaching plan using the develop grading criteria tool.	05/2007
3.		
4.		
5.		

# Program Assessment Plan

## NUR Transitional LPN

### Learning Outcomes

Assume personal responsibility for professional growth, continued learning and self-development.

Benchmark	Assessment Method	Timeline
1. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on assuming personal responsibility for professional growth, continued learning and self-development.	08/2008
2. 80% of the students will pass the theory and clinical components of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report Form the percentage of students completing the course at 75% or higher.	09/2008
3. 80% of the students will identify areas for professional growth, self development and educational goals as well as strategies to achieve.	Journal. Each NUR 2540 clinical faculty will review the students' journal for statement of professional growth and strategies.	05/2008
4.		
5.		

# Program Assessment Plan

## NUR Transitional LPN

### Learning Outcomes

Develop an understanding of ethical and legal principles of nursing, the importance of research, and the impact of political, economic and social forces on nursing practice.

Benchmark	Assessment Method	Timeline
1. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.	Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on their understanding of the ethical and legal principles of nursing and the impact of political, economic and social forces on nursing practice.	08/2008
2. 85% of the responding employers/advisory committee members surveyed will rate this program goal satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' understanding of the ethical and legal principles of nursing and the impact of political, economic and social forces on nursing practice.	08/2008
3. 90% of the students will identify ethical concepts for an ethical issue(s) at $\geq 75\%$ .	Course Summaries. Each course coordinator will report via the Course Summary Report Form the percentage of students completing the course at 75% or higher.	05/2008
4. 90% of the students will write a letter to legislator(s) supporting or not supporting a piece of current state or federal legislation.	Journal Review. A review of the NUR 2540 students journals by the clinical faculty will identify an ethical/legal/political/social issue(s) being addressed.	05/2008

# Program Assessment Plan

## NUR Transitional LPN

5. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.

zTheory exams and Clinical evaluation tools. A review of the course grades and clinical evaluation tools for each student enrolled in the course, will be reviewed by each course coordinator for completion of the course (theory and clinical component) at a 75% or higher.

09/2007

# Program Assessment Plan

## NUR Transitional LPN

### Learning Outcomes

Manage nursing care for a group of clients experiencing altered functional health patterns of varying complexity in acute or long term setting.

Benchmark	Assessment Method	Timeline
1. 80% of the graduates will pass the National Council of Nursing Exam (NCLEX) at the state and national standard for associate degree nursing programs on the first writing.	NCLEX Test Results. The Dean of Nursing and the Nursing Faculty will review the results reported quarterly to the Dean via a summary from the National Council of Nursing.	05/2008
2. 80% of the students will pass the theory and clinical component of each nursing course at or higher than 75%.	Course Summaries. Each course coordinator will report via the Course Summary Report Form the percentage of students completing the course at 75% or higher.	09/2008
3. x90% of the students will wite nursing care plans (NCP) and papers at or higher than 75%.	A sample of 10 student portfolios will be reviewed by a committee of nursing faculty for the development of nursing care plans and term papers evaluated at 75% or higher using the developed Nursing Care Plan grading tool and term paper grading tool.	05/2008
4. 60% of the students will receive a score on the Mosby Assess Test indicating a predicted passage rate on NCLEX.	Mosby Assess Test (N2540). The Mosby Assess Test is a computer scored, multiple choice examination designed to test essential nursing knowledge and evaluate the ability to apply that knowledge to various clinical situations. The test concentrates of clients needs and covers nursing content equally in the core clinical areas. The questions have been field tested to ensure quality and validity of the questions. The questions reflect the latest knowledge, activities, procedures, medications, nursing diagnoses and terminology encountered by the entry level nurse.	05/2008

# Program Assessment Plan

## NUR Transitional LPN

5. 85% of the responding graduates surveyed will rate this program goal satisfactory or higher.

Graduate survey. The graduate survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research will be sent to the graduates 18 months following graduation. The report will compile the scores (rating 1-5, 5 being the highest) and analysis from the graduates on their ability to manage nursing care for a group of clients.

08/2008

# Program Assessment Plan

## NUR Transitional LPN

### Learning Outcomes

(Note: Repeated) Manage nursing care for a group of clients experiencing altered functional health patterns of varying complexity in acute or long term setting.

Benchmark	Assessment Method	Timeline
1. 85% of the responding employers/advisory committee members surveyed will rate this program goal as satisfactory or higher.	Employer survey. The employer survey developed by the Department of Nursing with the assistance of the OCC Office of Institutional Research, will be conducted biannually. The report will compile the scores (rating of 1-5, 5 being the highest) and analysis on the graduates' ability to manage nursing care for a group of clients.	08/2008
2.		
3.		
4.		
5.		





## Curriculum Review Committee

### Nursing Review

Faculty Coordinator: Sue Stumbo

March 7, 2008

- The review process has identified NUR 1290, 1450, 1470, 1520, 1530 as catalogue descriptions needing revision.
- There is a need for more Supplemental Instructors at SF and extra help sessions (tutors) at the ASC for the nursing students.
- There is a need for additional faculty to support the 200+ students that enter the program each year. (75 adjuncts for clinicals requires extensive training)
- In order to better serve their students, Nursing is recommending placing the Pharmacology course online.
- There is a need of a large space for pinning ceremony. The Nursing Program presently has to rent space.
- There is a need for a nursing computer lab for testing and housing of nursing computer programs.
- Since the future for all nurses will include a need for a PDA or cell phone, nursing might consider incorporating into the program. They will follow up on a possible grant or course development.

## Occupational Skills

Skill	Importance	Imp (0-100)	Level	Lvl (0-100)
Social Perceptiveness	Very Important	77	Expert	78
Reading Comprehension	Very Important	85	Expert	77
Critical Thinking	Very Important	82	Expert	75
Active Listening	Very Important	90	Advanced	73
Time Management	Very Important	80	Advanced	73
Monitoring	Very Important	77	Advanced	72
Active Learning	Very Important	75	Advanced	72
Coordination	Very Important	75	Advanced	72
Service Orientation	Very Important	79	Advanced	72
Learning Strategies	Important	70	Advanced	71
Instructing	Very Important	82	Advanced	71
Speaking	Very Important	81	Advanced	70
Writing	Very Important	76	Advanced	68
Judgment and Decision Making	Important	72	Advanced	66
Complex Problem Solving	Important	64	Advanced	60
Persuasion	Important	56	Advanced	58
Mathematics	Important	64	Advanced	57
Science	Important	70	Advanced	55
Negotiation	Important	55	Advanced	55
Equipment Selection	Important	54	Advanced	53
Operation Monitoring	Important	54	Intermediate	48
Management of Personnel Resources	Important	50	Intermediate	47
Troubleshooting	Somewhat Important	48	Intermediate	41
Operations Analysis	Somewhat Important	32	Intermediate	37
Systems Evaluation	Somewhat Important	32	Intermediate	37
Technology Design	Somewhat Important	36	Intermediate	35
Quality Control Analysis	Somewhat Important	39	Intermediate	35
Operation and Control	Somewhat Important	32	Intermediate	33
Systems Analysis	Somewhat Important	31	Intermediate	31
Equipment Maintenance	Somewhat Important	25	Intermediate	26
Management of Material Resources	Somewhat Important	31	Intermediate	26
Management of Financial Resources	Not Important	16	Basic	14
Installation	Not Important	13	Basic	13
Repairing	Not Important	9	Basic	10
Programming	Not Important	7	Basic	7

Source: O\*NET Database 11

## Occupational Abilities

Ability	Importance	Imp (0-100)	Level	Lvl (0-100)
Problem Sensitivity	Very Important	94	Expert	75
Inductive Reasoning	Very Important	81	Advanced	68
Oral Comprehension	Very Important	81	Advanced	66
Oral Expression	Very Important	91	Advanced	66
Deductive Reasoning	Very Important	75	Advanced	63
Written Comprehension	Important	72	Advanced	61
Near Vision	Important	66	Advanced	57
Written Expression	Very Important	75	Advanced	57
Speech Recognition	Very Important	75	Advanced	54
Flexibility of Closure	Important	56	Advanced	54
Information Ordering	Important	63	Advanced	54
Arm-Hand Steadiness	Important	50	Advanced	50
Speed of Closure	Important	50	Intermediate	48
Selective Attention	Important	63	Intermediate	46
Speech Clarity	Very Important	75	Intermediate	46
Time Sharing	Important	56	Intermediate	45
Category Flexibility	Important	50	Intermediate	45
Memorization	Somewhat Important	41	Intermediate	43
Originality	Somewhat Important	35	Intermediate	41
Fluency of Ideas	Somewhat Important	38	Intermediate	41
Trunk Strength	Important	60	Intermediate	39
Perceptual Speed	Somewhat Important	41	Intermediate	38
Extent Flexibility	Somewhat Important	44	Intermediate	38
Static Strength	Somewhat Important	35	Intermediate	36
Auditory Attention	Somewhat Important	35	Intermediate	36
Finger Dexterity	Somewhat Important	35	Intermediate	36
Manual Dexterity	Important	53	Intermediate	34
Control Precision	Somewhat Important	31	Intermediate	30
Gross Body Coordination	Somewhat Important	41	Intermediate	30
Far Vision	Somewhat Important	28	Intermediate	29
Multilimb Coordination	Somewhat Important	31	Intermediate	27
Reaction Time	Somewhat Important	25	Intermediate	27
Depth Perception	Somewhat Important	28	Intermediate	25
Response Orientation	Not Important	22	Intermediate	25
Hearing Sensitivity	Somewhat Important	25	Basic	23
Stamina	Somewhat Important	41	Basic	23
Visual Color Discrimination	Somewhat Important	28	Basic	20
Speed of Limb Movement	Not Important	22	Basic	20
Visualization	Not Important	19	Basic	18
Number Facility	Not Important	16	Basic	14
Mathematical Reasoning	Not Important	22	Basic	14
Gross Body Equilibrium	Not Important	16	Basic	13
Dynamic Strength	Not Important	19	Basic	13
Explosive Strength	Not Important	9	Basic	11
Spatial Orientation	Not Important	9	Basic	11
Wrist-Finger Speed	Not Important	6	Basic	5
Dynamic Flexibility	Not Important	3	Basic	2
Rate Control	Not Important	3	Basic	2
Peripheral Vision	Not Important	0	Basic	0
Glare Sensitivity	Not Important	0	Basic	0
Sound Localization	Not Important	0	Basic	0
Night Vision	Not Important	0	Basic	0

Source: O\*NET Database 11

**Occupational Skills Analysis  
Licensed Practical and Licensed Vocational Nurses (29-2061)**

Care for ill, injured, convalescent, or disabled persons in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

**Occupational Knowledge**

Knowledge	Importance	Imp (0-100)	Level	Lvl (0-100)
Customer and Personal Service	Very Important	79	Expert	85
Psychology	Important	74	Expert	84
Therapy and Counseling	Very Important	77	Advanced	68
English Language	Very Important	94	Advanced	67
Education and Training	Very Important	75	Advanced	65
Mathematics	Important	72	Advanced	59
Medicine and Dentistry	Very Important	86	Advanced	58
Public Safety and Security	Important	60	Advanced	54
Sociology and Anthropology	Somewhat Important	49	Intermediate	48
Philosophy and Theology	Somewhat Important	35	Intermediate	48
Personnel and Human Resources	Important	50	Intermediate	46
Chemistry	Important	53	Intermediate	46
Administration and Management	Important	53	Intermediate	43
Biology	Somewhat Important	46	Intermediate	42
Transportation	Somewhat Important	36	Intermediate	36
Production and Processing	Somewhat Important	26	Intermediate	35
Clerical	Somewhat Important	37	Intermediate	34
Law and Government	Somewhat Important	42	Intermediate	32
Computers and Electronics	Somewhat Important	28	Intermediate	29
Sales and Marketing	Not Important	13	Intermediate	28
Geography	Not Important	18	Intermediate	26
Physics	Not Important	22	Intermediate	26
Telecommunications	Somewhat Important	42	Basic	23
Food Production	Not Important	22	Basic	22
Communications and Media	Somewhat Important	31	Basic	22
Foreign Language	Somewhat Important	28	Basic	21
Economics and Accounting	Not Important	14	Basic	20
Mechanical	Not Important	22	Basic	20
History and Archeology	Not Important	18	Basic	18
Engineering and Technology	Not Important	19	Basic	7
Fine Arts	Not Important	6	Basic	5
Design	Not Important	4	Basic	3
Building and Construction	Not Important	0	Basic	0

Source: O\*NET Database 11

## Occupational Skills

Skill	Importance	Imp (0-100)	Level	Lvl (0-100)
Active Listening	Very Important	94	Expert	92
Judgment and Decision Making	Very Important	88	Expert	85
Writing	Very Important	92	Expert	84
Service Orientation	Very Important	88	Expert	84
Active Learning	Very Important	87	Expert	83
Monitoring	Very Important	91	Expert	82
Time Management	Very Important	92	Expert	82
Reading Comprehension	Very Important	93	Expert	82
Learning Strategies	Very Important	80	Expert	80
Speaking	Very Important	88	Expert	80
Instructing	Very Important	80	Expert	79
Critical Thinking	Very Important	90	Expert	76
Social Perceptiveness	Very Important	75	Expert	75
Coordination	Very Important	77	Expert	75
Science	Very Important	75	Expert	75
Complex Problem Solving	Very Important	79	Advanced	73
Operation Monitoring	Very Important	75	Advanced	71
Equipment Selection	Important	65	Advanced	68
Management of Personnel Resources	Important	70	Advanced	68
Troubleshooting	Very Important	75	Advanced	66
Persuasion	Important	66	Advanced	64
Equipment Maintenance	Important	67	Advanced	64
Systems Evaluation	Important	61	Advanced	63
Mathematics	Very Important	75	Advanced	62
Operation and Control	Important	64	Advanced	61
Operations Analysis	Important	54	Advanced	57
Repairing	Important	65	Advanced	57
Negotiation	Important	58	Advanced	56
Management of Material Resources	Important	60	Advanced	56
Quality Control Analysis	Important	59	Advanced	56
Systems Analysis	Important	60	Advanced	54
Technology Design	Important	59	Advanced	50
Installation	Important	57	Intermediate	49
Management of Financial Resources	Somewhat Important	39	Intermediate	38
Programming	Somewhat Important	28	Intermediate	27

Source: O\*NET Database 11

## Occupational Abilities

Ability	Importance	Imp (0-100)	Level	Lvl (0-100)
Problem Sensitivity	Very Important	88	Advanced	73
Deductive Reasoning	Very Important	75	Advanced	61
Speed of Closure	Important	53	Advanced	61
Inductive Reasoning	Important	72	Advanced	61
Oral Comprehension	Very Important	91	Advanced	59
Oral Expression	Very Important	78	Advanced	59
Information Ordering	Important	72	Advanced	59
Speech Recognition	Important	69	Advanced	55
Near Vision	Important	69	Advanced	55
Written Comprehension	Important	63	Advanced	50
Perceptual Speed	Important	50	Advanced	50
Category Flexibility	Important	53	Intermediate	48
Originality	Somewhat Important	44	Intermediate	46
Time Sharing	Important	60	Intermediate	46
Flexibility of Closure	Somewhat Important	47	Intermediate	46
Manual Dexterity	Somewhat Important	44	Intermediate	46
Speech Clarity	Important	69	Intermediate	45
Memorization	Somewhat Important	44	Intermediate	45
Finger Dexterity	Important	53	Intermediate	45
Arm-Hand Steadiness	Important	50	Intermediate	43
Written Expression	Important	69	Intermediate	43
Number Facility	Somewhat Important	38	Intermediate	39
Selective Attention	Important	60	Intermediate	39
Visual Color Discrimination	Somewhat Important	41	Intermediate	39
Fluency of Ideas	Somewhat Important	35	Intermediate	39
Static Strength	Somewhat Important	31	Intermediate	36
Far Vision	Somewhat Important	41	Intermediate	36
Trunk Strength	Somewhat Important	38	Intermediate	34
Hearing Sensitivity	Somewhat Important	44	Intermediate	34
Auditory Attention	Somewhat Important	35	Intermediate	34
Visualization	Somewhat Important	28	Intermediate	32
Depth Perception	Somewhat Important	35	Intermediate	30
Reaction Time	Somewhat Important	28	Intermediate	29
Extent Flexibility	Somewhat Important	35	Intermediate	29
Multilimb Coordination	Somewhat Important	31	Intermediate	27
Mathematical Reasoning	Somewhat Important	35	Intermediate	27
Control Precision	Somewhat Important	28	Basic	23
Gross Body Coordination	Somewhat Important	41	Basic	23
Dynamic Strength	Not Important	19	Basic	23
Speed of Limb Movement	Somewhat Important	28	Basic	23
Stamina	Somewhat Important	41	Basic	21
Response Orientation	Not Important	19	Basic	18
Gross Body Equilibrium	Not Important	16	Basic	14
Peripheral Vision	Not Important	6	Basic	5
Rate Control	Not Important	9	Basic	5
Spatial Orientation	Not Important	3	Basic	5
Glare Sensitivity	Not Important	3	Basic	4
Sound Localization	Not Important	9	Basic	4
Night Vision	Not Important	3	Basic	4
Dynamic Flexibility	Not Important	3	Basic	2
Explosive Strength	Not Important	0	Basic	0
Wrist-Finger Speed	Not Important	0	Basic	0

Source: O\*NET Database 11