

**MUS 250 Choral Conducting (.5)**  
*1 hour lecture/laboratory*  
**Prerequisite:** MUS 105 or MUS 245 or experience in conducting choirs  
**Transfer acceptability:** CSU  
 Practical conducting methods for choral musicians. Discussion and study of issues concerning musical rehearsal and performance with treble, SAB and SATB choral ensembles.

**MUS 251 Master Class in Keyboard Literature, Analysis and Performance (.5,1,1.5,2,3)**  
*1, 2, 3, 4, or 6 hours lecture/laboratory*  
**Prerequisite:** MUS 225 or the passing of equivalency test  
**Transfer acceptability:** CSU  
 Survey of keyboard literature presented in a master class format. Analysis of styles and techniques of solo and ensemble performances.

**Nursing Education (NURS)**

Contact the Nursing Education Department for further information, (760) 744-1150, ext. 2580. For transfer information, consult a Palomar College counselor.

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

**CONTINUING EDUCATION FOR NURSES**

Continuing Education Units (CEUs) for currently licensed RNs and LVNs can be earned through a variety of Palomar College academic classes. CEU documentation can be awarded by the Community Development office upon successful completion of coursework. For information on CEU options for nurses call (760) 744 1150, ext. 2702.

**GENERAL INFORMATION**

The Registered Nursing (RN) program is accredited by the California Board of Registered Nursing and the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, New York, NY 10006, 1-800-669-1656. The program prepares graduates to provide direct nursing care to patients in hospitals and other health agencies at a staff nurse level. The curriculum consists of coursework in nursing, general education, and clinical nursing practice in local hospitals and other health agencies. The nursing faculty of the College is directly responsible for all phases of the program.

Admission to the nursing program is by special application. To be eligible for consideration, applicants must (1) be eligible for admission to Palomar College; (2) attend a Nursing Orientation meeting; (3) submit proof of high school graduation or equivalency or higher; (4) GPA of 2.5 in prerequisite sciences; and (5) meet academic requirements specified in the Nursing Education Department brochure.

**LICENSURE:** Upon successful completion of the Associate Degree Nursing (ADN) Program, students will be eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX RN) and, if performance on the examination is successful, will be licensed as a registered nurse.

Students electing the non degree 30 Unit Option as well as students who do not complete the requirements for the ADN but who successfully complete the required nursing and support courses are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX RN), as a NON DEGREE candidate, and if successful, will be licensed as an RN by the California Board of Registered Nursing. Endorsement of a non degree RN in other states is questionable. ONCE THE LICENSING EXAM IS TAKEN, STATUS CANNOT BE CHANGED, REGARDLESS OF SUBSEQUENT DEGREES EARNED.

**CREDIT BY EXAMINATION:** Academic credit by examination may be obtained by those whose prior education and/or experience provides the knowledge and skills required to meet the objectives of one or more courses. Students who believe they may be eligible for credit by examination should contact the Nursing Education Department for an appointment for special advising prior to submitting their application for admission to the program. For College policy regarding credit by examination, consult "Credit by Examination" in the Academic Regulations and Standards section of this catalog.

Upon completion of the eligibility requirements, separate theory and clinical performance examinations will be administered for courses with a laboratory component. A written patient care plan is required in all appropriate theory and clinical courses. Completion of the written work with a grade of 'C' or better is required prior to taking the clinical examination. Courses without a lab component will have a written examination only. A grade of 'C' or better must be achieved. The Nursing Education Department's Credit by Examination Policy may be obtained from the Nursing Education Department Office.

A maximum of 20 units may be obtained through credit by examination.

**Associate Degree Nursing (ADN) Curriculum**

For students entering the ADN Program Spring 1998 or later

**A.A. DEGREE MAJOR**

<b>Program Requirements</b>		<b>Units</b>
MATH 56, 60 or an appropriate score on an approved math exam		0-4
BIOL 102*	Molecules and Cells	4
MICR 200**	Fundamentals of Microbiology	5
ZOO 200**	Anatomy	5
ZOO 203**	Physiology	5
<b>Semester I</b>		
NURS 117	Nursing I	9
NURS 103	Nursing Foundation I	2
<b>Semester II</b>		
NURS 118	Nursing II	9
NURS 203	Nursing Foundation II	2
<b>Semester III</b>		
NURS 217	Nursing III	9
<b>Semester IV</b>		
NURS 218	Nursing IV	9
<b>Additional Related Support Courses</b>		
ENG 100***	English Composition	4
PSYC	Any course numbered 100 or above except 140 & 205	3
SOC	Any course numbered 100 or above except 140 & 205	3
SPCH	Any course numbered 100 or above except 145 & 150	3
Remaining A.A. Degree Competencies and Courses		
American History and Institutions		6
Health and Physical Education requirement (waived by completing nursing curriculum)		0
Humanities		3
Integrated Self and Life-Long Learning (met by completing nursing curriculum)		0
Multicultural requirement (met by completing NURS 103 & 217)		0
<b>TOTAL UNITS</b>		<b>81</b>

\*This biology prerequisite is required if the science courses are taken at Palomar College  
 \*\* Four semester unit courses accepted from accredited colleges  
 \*\*\* Three semester unit courses accepted from accredited colleges  
 Curriculum plan subject to change

**Advanced Standing for LVNs**  
 Advanced Standing for LVNs is based on the following requirements:

- Hold a valid, active LVN License in the state of California
- Meet all requirements for admission as identified in the College Catalog and the Nursing Education Department brochure

- Successfully complete NURS 110
- Graduation from an accredited LVN/LPN program

Upon successful completion of NURS 110, the student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

## Associate Degree Nursing Curriculum (LVN-RN)

### A.A. DEGREE MAJOR

Program Requirements	Units
MATH 56, 60, or an appropriate score on an approved math exam	0-4
BIOL 102*      Molecules and Cells	4
MICR 200**    Fundamentals of Microbiology	5
ZOO 200**     Anatomy	5
ZOO 203**     Physiology	5
NURS 110       LVN RN Transition	2
<b>Semester I</b>	
NURS 217       Nursing III	9
NURS 203       Nursing Foundation II	2
<b>Semester II</b>	
NURS 218       Nursing IV	9
<b>Additional Related Support Courses</b>	
ENG 100***    English Composition	4
PSYC            Any course numbered 100 or above except 140 & 205	3
SOC             Any course numbered 100 or above except 140 & 205	3
SPCH            Any course numbered 100 or above except 145 & 150	3
<b>Remaining A.A. Degree Competencies and Courses</b>	
American History and Institutions	6
Health and Physical Education requirement (waived by completing nursing curriculum)	0
Humanities	3
Integrated Self and Life-Long Learning (met by completing nursing curriculum)	0
Multicultural requirement (met by completing NURS 110 & 217)	0
<b>TOTAL UNITS</b>	<b>63</b>

When the student has successfully completed the ADN program, the student will be given credit for previous vocational nursing education equivalent to 20 units.

\*This biology prerequisite is required if the science courses are taken at Palomar College

\*\* Four semester unit courses accepted from accredited colleges

\*\*\* Three semester unit courses accepted from accredited colleges Curriculum plan subject to change

**CREDIT BY TRANSFER:** Students who have been enrolled in an accredited Registered Nursing program within the last two years may receive full credit for courses transferred which are, as evaluated by the Palomar College Nursing Education Department faculty, comparable to courses offered by the College. If courses transferred are found not to be comparable, students may challenge Palomar courses for credit.

## Associate Degree Nursing Diploma RN to ADN

- The student must present a valid active California RN license to be verified by the Nursing Education Department. A copy of the RN license must be submitted to the College's Records Office for inclusion in the student's academic file.

- The student must have an official transcript of the diploma school coursework sent to the Nursing Education Department at Palomar College.
- Units accepted from diploma school: 38 units of the 40 units required for the major in nursing at Palomar
- College may be accepted from the diploma school of nursing.
- Two units must be earned by completion of, or challenging of, NURS 203, Nursing Foundation II.
- When the student has completed the General Education requirements for the A.A. Degree and the two units required in nursing, the student will be awarded credit for the 38 units of coursework completed in the diploma school of nursing.

## Non Degree Program LVN to RN (30 Unit Option)

Any LVN licensed in the state of California is eligible to apply for this program. The program is prescribed by the Board of Registered Nursing and provides an RN license for CALIFORNIA ONLY. The College acts as a facilitator. Students must successfully complete or challenge NURS 110 to be eligible to apply for this program.

Upon successful completion of NURS 110, a student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

A maximum of 30 units of nursing and support courses are required to fulfill the unit requirement for licensure by the Board of Registered Nursing.

Program Requirements	Units
ZOO 203*      Physiology	5
MICR 200*    Fundamentals of Microbiology	5
NURS 110      LVN RN Transition	2
<b>Semester I</b>	
NURS 217**    Nursing III	9
<b>Semester II</b>	
NURS 218       Nursing IV	9
<b>TOTAL UNITS</b>	<b>30</b>

\* Four semester unit courses accepted from accredited colleges

\*\* NURS 203 is recommended with NURS 217

30-Unit Option students, with additional units in general education, may earn the Associate in Arts Degree in General Studies. An Associate Degree in Nursing will NOT be awarded.

### COURSE OFFERINGS

To remain in the program, students must maintain a minimum grade of 'C' in each of the nursing courses and in all required support courses. Grades in the clinical nursing laboratories are based on satisfactory/unsatisfactory practice. A student might fail a nursing course on the basis of clinical practice even though theory grades may be passing.

#### NURS 103      Nursing Foundation I (2)

2 hours lecture

**Prerequisite:** Admission to the Associate Degree Nursing Program

**Corequisite:** NURS 117

**Note:** Graded only

**Transfer acceptability:** CSU

This course provides an introduction to critical thinking as a method of exploring issues related to the nursing role as a provider of care and as a member of the discipline. Concepts essential for nursing practice and functional health patterns are introduced. The nursing process as a foundation for nursing practice is introduced. Multicultural considerations including gender, culture, ethnicity, sexuality, and age are explored. These concepts are introduced at a beginning level for a provider of care and a member of the discipline.

**NURS 110 LVN-RN Transition (2)**

2 hours lecture

**Prerequisite:** Current California Vocational Nurse License

Recommended preparation: MATH 56 or 60, or the appropriate score on an approved math exam

**Note:** Graded only**Transfer acceptability:** CSU

This course facilitates the transition of the Licensed Vocational Nurse into the Associate Degree Nursing Program. Provides an introduction to critical thinking as a method of exploring issues related to the nursing role as a provider of care and as a member of the discipline. Emphasis is placed on the acquisition and utilization of the components of the nursing process within a multicultural framework. Multicultural considerations including gender, culture, ethnicity, sexuality, and age, in the care of clients and families are explored. Concepts essential for nursing practice and functional health patterns are introduced.

**NURS 117 Nursing I (9)**

4 hours lecture-15 hours laboratory

**Prerequisite:** Admission to the Associate Degree Nursing Program**Corequisite:** NURS 103**Note:** Graded only**Transfer acceptability:** CSU

The nursing process and components of critical thinking are introduced in this course. Focus is placed on the care of stable clients with expected or predictable outcomes. Provides a basic foundation for nursing practice with a focus on assessment (utilizing functional health patterns), nursing skills, and therapeutic communication. Emphasis is placed on the role of the nurse as a provider of care and member of a discipline.

**NURS 118 Nursing II (9)**

4 hours lecture-15 hours laboratory

**Prerequisite:** NURS 103 and 117**Note:** Graded only**Transfer acceptability:** CSU

Builds on the foundation of NURS 117 with the application of the nursing process and critical thinking in the care of the childbearing family, pediatric client, and medical surgical clients. Concepts are expanded to include the recognition of changes in clients with predictable outcomes and the utilization of appropriate interventions. Emphasis is placed on client teaching, collaboration with family members, and shared decision making. There is a continuing emphasis on the role of the nurse as a provider of care and member of the discipline.

**NURS 120 Pharmacology for Nurses I (2)**

2 hours lecture

**Transfer acceptability:** CSU

Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to neurologic and neuromuscular agents; analgesics and anti-inflammatory agents; eye, ear, and skin agents; respiratory agents; endocrine agents; gastrointestinal agents; and reproductive and gender-related agents.

**NURS 121 Pharmacology for Nurses II (2)**

2 hours lecture

**Transfer acceptability:** CSU

Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to anticonvulsive agents; antipsychotic agents; cardiovascular agents; renal agents; anti-infective agents; vaccinations; and antineoplastic agents.

**NURS 140 Adult Health Assessment (1.5)**

3 hours lecture/laboratory

**Transfer acceptability:** CSU

Basic concepts of health assessment to include interviewing and assessment techniques used to obtain a comprehensive health history from an adult and relating findings to the nursing process. Transcultural and adult developmental stage considerations are also included.

**NURS 197 Nursing Topics (.5-4)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule

**Note:** May be taken 4 times**Transfer acceptability:** CSU

Topics in Nursing. See Class Schedule for specific topic offered. Course title will designate subject covered.

**NURS 203 Nursing Foundation II (2)**

2 hours lecture

**Prerequisite:** NURS 103 or NURS 110 or a copy of a current, active California LVN license in good standing must be on file in the Nursing Education Office prior to registration for this class.**Corequisite:** NURS 217 or NURS 118**Note:** Graded only**Transfer acceptability:** CSU

This course builds on the foundation of NURS 103 or NURS 110. Critical thinking is utilized as a method of exploring issues related to the nursing role as a provider of care, manager of care, and member of the discipline. Historical, political, educational, legal, ethical, and bioethical issues that impact nursing practice are explored. Nursing organizations are explored via the Internet with emphasis on evaluating nursing information. Managerial concepts are introduced and focus on decision-making skills, managing resources, organizing time, delegating and supervising care, teaching staff, and providing feedback. Content is provided on progressive discipline and managing conflict.

**NURS 217 Nursing III (9)**

4 hours lecture-15 hours laboratory

**Prerequisite:** NURS 118 or admission to the Associate Degree Nursing Program (LVN-RN) or admission to the Non-Degree Program LVN-RN (30-unit option)**Corequisite:** NURS 203**Note:** Graded only**Transfer acceptability:** CSU

Builds on the foundation of NURS 118 or 110 as a process for the development of complex thinking. This course has a dual focus. One focus is placed on the care of adult/geriatric clients with multiple and chronic health problems. The other focus is placed on the care of adolescent, adult, and/or geriatric clients with psychiatric mental-health problems. Concepts are expanded to include identification, prioritization, and interventions for clients who have unpredictable outcomes or who demonstrate changes in health status. Collaboration with other health team members when modifying client's care is incorporated. The role of the nurse expands to include being a manager of a group of clients.

**NURS 218 Nursing IV (9)**

3½ hours lecture-16½ hours laboratory

**Prerequisite:** NURS 203 and 217**Note:** Graded only**Transfer acceptability:** CSU

Builds on the foundation of NURS 217 and 203 expanding nursing practice and critical thinking to incorporate complex decision making. Focus is placed on adapting and managing care for multiple clients with complex and rapidly changing health care needs. During the preceptorship, the student functions as a provider of care, manager of care, and a member of the discipline.

**NURS 295 Directed Study in Nursing (1,2,3)**

3, 6, or 9 hours laboratory

**Prerequisite:** Approval of proposal by the department chairperson**Note:** Credit/No Credit grading only; may be taken 4 times for a maximum of 6 units**Transfer acceptability:** CSU

Designed for the student who has demonstrated a proficiency in nursing subjects and the initiative to work independently on a particular sustained project which does not fit into the context of regularly scheduled classes. Additionally, this course can be used for students transferring into the Palomar College nursing program. Course work would fulfill needed content and/or clinical laboratory time to meet the requirements of the Associate Degree Nursing Program.

**Nutrition**

See Family and Consumer Sciences, Health,  
Institutional Food Service Training

## Oceanography (OCN)

Contact the Earth, Space, and Aviation Sciences Department for further information, (760) 744-1150, ext. 2512

### COURSE OFFERINGS

**OCN 100 Oceanography Lecture (3)**

3 hours lecture

**Note:** Not open to students with prior credit in OCN 101

**Transfer acceptability:** CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

An introductory course designed to acquaint the student with general oceanography. Topics treated include the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, marine sediments, life in the sea, and the significance of the oceans to man.

**OCN 100L Oceanography Laboratory (1)**

3 hours laboratory

**Prerequisite:** Completion of, or concurrent enrollment in, OCN 100 or OCN 115

**Note:** Not open to students with prior credit in OCN 101

**Transfer acceptability:** CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

Laboratory and field investigations of marine environments including geologic, physical, chemical, and biological aspects of the ocean and coastal area. The course emphasizes changing physical factors and man's activities as they affect the oceans.

**OCN 101 Oceanography (4)**

3 hours lecture-3 hours laboratory

**Note:** Not open to students with prior credit in OCN 100 or 100L

**Transfer acceptability:** CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

An introductory course in general oceanography including laboratory and field investigations of marine environments. Topics include: the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, life in the sea, and the significance of the oceans to man. Laboratory portion includes investigation of marine environments including geologic, chemical, physical, and biological aspects of the ocean and coastal area.

**OCN 115 Coastal Oceanography (3)**

3 hours lecture

**Transfer acceptability:** CSU; UC

This course is designed for those interested in learning more about the coastal zone and its relationship with human activities. Students will examine a variety of coastal zones including sandy coastlines, rocky coastlines, coastal wetlands, coral reefs, and glaciated coastlines. Analysis of the coastal types will include investigation of case studies from around the world with a focus on the West Coast U.S. and California. Case studies will include effects of natural coastal processes as well as effects produced by human intervention. Several field trips will be offered. Students are expected to participate in a one-day field trip.

**OCN 195 Regional Field Studies in Oceanography (1,2,3)**

2, 4, or 6 hours lecture/laboratory

**Note:** May be taken 4 times

**Transfer acceptability:** CSU

Extended field studies that examine the oceanography of selected regions. Emphasis is upon field observation, interpretation, and analysis of varying oceanographic phenomena including coastal processes and landforms, natural resources, marine ecosystems, coastal currents and weather patterns, tectonics and sea level history, and human impacts in the coastal environment.

**OCN 197 Oceanography Topics (.5-4)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

**Note:** May be taken 4 times

**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Oceanography. See Class Schedule for specific topic covered. Course title will designate subject covered.

**OCN 295 Directed Study in Oceanography (1,2,3)**

Arrange 3, 6, or 9 hours laboratory with department chairperson

**Prerequisite:** OCN 100 or 101

**Note:** May be taken 4 times for a maximum of 6 units

**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Individual study in field, library, or laboratory for interested students.

## Office Information Systems (OIS)

Contact the Business Education Department for further information, (760) 744-1150, ext. 2488

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

### PROGRAMS OF STUDY

#### Administrative Assistant

This program is designed to prepare the student for an administrative support office position in business and industry.

A Certificate of Achievement and/or an AA degree will be awarded to students who successfully complete the requirements listed below.

#### A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
BUS 105 Bookkeeping Fundamentals	3
BUS 110 Business Mathematics	3
BUS 125 Business English	3
BUS 175 Excel Basic	1
BUS 180 Access for Business	1
BUS 185 PowerPoint for Business	1
BUS 186/ R CSIS 130 Microsoft Publisher	1
BUS 190 Internet for Business	1
BUS 195 Microsoft Office Integration	1
OIS 103 Advanced Keyboarding	1
OIS 115 Filing and Records Management	1
OIS 120 Intro to Office Information Systems	3
OIS 136.2 Word Intermediate	1
OIS 136.3 Word Advanced	1
OIS 205 Office Procedures	3
OIS 230 Secretarial Machine Transcription	1
CE 100 Cooperative Education	1,2,3,4
Demonstrate the ability to type 50 net words per minute for five minutes with 5 errors or less	0
<b>TOTAL UNITS</b>	<b>27 - 30</b>

Recommended Electives: BUS 187, BUS 188, 205

Credit for Certified Professional Secretary (CPS) Certification: Individuals who hold a certificate as a Certified Professional Secretary (CPS) or Certified Administrative Professional (CAP) may apply to the Business Education/ Office Information Systems Department for units toward an Administrative Assistant Associate of Arts Degree. The units granted, with a grade of "CR", will be posted to the student's transcript upon completion of the remaining A.A. degree requirements. Students must provide evidence of successful completion of the CPS or CAP certification.