



Emergency Medical Technician  
Medical Science  
Nurse Assistant  
Radiologic Technology  
Registered Nurse  
Vocational Nurse

# Allied Health

**ENROLLMENT TO ALLIED HEALTH PROGRAMS**

**I. Statement of philosophy concerning enrollment into Allied Health Programs:**

All persons who are able to perform satisfactorily the responsibilities and tasks required in an education and training program and in subsequent employment in the field should have an opportunity to succeed. It is recognized that the need to protect the safety and welfare of the student and the community is a primary consideration in the health occupations.

**II. Enrollment Procedures**

**A. Determination of eligibility for enrollment: The student must meet educational and health requirements established for the program.**

**1. Educational Requirements**

- a. A high school diploma or equivalent is required for all allied health programs.
- b. Meet specific program prerequisites.

**2. Health Requirements**

The student must be free from communicable diseases, infection, psychological disorders, and other conditions that would prevent the successful performance of the responsibilities and tasks required in the education and training program of the college. Any condition described above which is developed by the student after enrollment to the program may be considered sufficient cause for suspension from the program. If possible, such a student should be counseled to enter a more appropriate program. Costs of meeting health requirements are paid by student.

- a. **Physical Examinations** - This exam is to be completed AFTER the student receives notification of enrollment into the program. The applicant must have a level of emotional and physical health necessary to meet program requirements.
- b. **Immunizations/health tests** - As needed for acceptance in a clinical and training facility, and to protect the health and welfare of the student and community. Immunization may include, but not be limited to, rubella and Hepatitis B. Tuberculosis screening is also required.
- c. **Drug and Alcohol Screening** - As a condition of enrollment to any Allied Health Program with a clinical component, all students are required to submit to, and pass, a designated drug and alcohol screen.

**3. Eligibility for Enrollment**

Applicants who have completed their enrollment forms, have their high school and college transcripts on file, and have met the educational and

health requirements will be designated as eligible for enrollment. Information regarding criteria for selection may be obtained in the Allied Health Office.

- 4. Students will be required to purchase uniforms, textbooks and selected equipment and provide transportation to off-campus sites for clinical experience and pay current college fees.

If an Allied Health Program has more applicants for enrollment than space available, priority is provided to residents of the Kern Community College District.

NOTE: Students with a misdemeanor and/or felony arrest or conviction *may* not receive certification or licensure from the State or County. Call Allied Health, 395-4281 for more information.

**Emergency Medical Technology Programs**

**Emergency Medical Technician I**

This is a 120-hour certificate program (13-week course) which will prepare the student to perform basic emergency care as part of the mobile emergency care team. EMTC B1 certification is required by the state in order to function in emergency patient care. Student must meet the Allied Health Department health requirements.

A class of students begins each semester. At the end of the course, those students who successfully complete the course will be certified by the Kern County Emergency Medical Services for a two-year period. Re-certification every two years is required to maintain EMTC B1 status (see EMTC B1r course description).

**Physical Examination/Drug and Alcohol Screening/Program Supplies Information**

See Enrollment to Allied Health Programs.

**Nurse Assistant**

The nurse assistant precertification program is a one-semester program that prepares the student to perform basic patient care as a nurse assistant health care worker. Students successfully completing both the Basic Patient Skills course and the laboratory component will be eligible to take the State of California, Certified Nurse Assistant examination. For enrollment in the Basic Patient Skills laboratory course, the student must meet health requirements. For more information, contact the Allied Health Office or Office of Career Development and Workforce Preparation for a program brochure.

**Required Academy Courses: 11.5 units**

Course Number	Title	Units
MEDS B67	Basic Patient Skills	3.0
MEDS B67L	Basic Patient Skills Laboratory	2.0
MEDS B60	Medical Terminology	2.0

ACDV B66ac	Basic Skills for the Workplace	3.0
OFFT B252a	Computer Keyboarding, Beginning, Part 1	1.0
SPST B48	Special Studies: Honors	0.5

### Physical Examination/Drug and Alcohol Screening/ Program Supplies Information

See Enrollment to Allied Health Programs.

### Primary Care Associate (Physician's Assistant)

See Biological Science Department

## RADIOLOGIC TECHNOLOGY

Radiologic Technology is a health care profession whose practitioners work in hospitals, imaging centers, and private physicians' offices. The radiologic technologist (radiographer) is a member of the health care team who works directly with the patient and the physician performing a wide variety of diagnostic x-ray procedures. The role of the graduate radiographer may be that of staff radiographer, special imaging radiographer, supervisor, administrator or educator, depending upon the level of education and experience obtained.

The Bakersfield College Associate in Science Degree Radiologic Technology Program provides concurrent didactic and clinical education. The program is 24 months in length (excluding prerequisite coursework) and begins each year in June.

The program provides the theory, skill and experience necessary to apply for admission to write the certification examination by the American Registry of Radiologic Technologists (ARRT) and the California Certification examination for radiologic technologists, administered by the State of California, Department of Health Services. The student is also eligible to write the State Fluoroscopy Permit exam. Students must earn a minimum of "C" in all radiography and related general education courses and have met all clinical education objectives to be recommended for the above examinations.

### Radiologic Technology Program Prerequisite Requirements

All prerequisite coursework must be completed prior to completing a program enrollment form. Courses in-progress during the filing period will not be considered for entrance into the program.

The following courses must be completed with a "C" grade or higher (except where otherwise noted):

1. BIOL B14 and BIOL B15 **OR** BIOL B18 at BC or equivalent course at another accredited college.
2. MATH BD/B200D at BC or equivalent course at another accredited college. Completion of high school Algebra II or equivalent with a minimum grade of "B" can be accepted in lieu of MATH BD/B200D.
3. MEDS B60 (3 units) at BC or equivalent course at another accredited college.

4. Eligibility for ENGL B1a as demonstrated by qualifying scores on the BC assessment tests; or completion of ENGL B1 at BC; or an equivalent course from another accredited college with a minimum grade of "C."
5. Graduation from high school or an equivalent education.

## Enrollment in the Radiologic Technology Program

### Enrollment Filing Period

Enrollment forms must be received by the Radiologic Technology Program Office during the month of February for the program scheduled to start in June. Early forms will be returned and late forms will not be accepted.

### Enrollment Procedures

1. Complete required prerequisite courses (see above).
2. Enrollment forms for the Radiologic Technology Program may be obtained in the Allied Health Division, Room 178 of the Math-Science Building, OR in the Counseling Center located in the Student Services building on the main campus.
3. **Official** transcripts for all high school and college coursework must also be submitted and mailed directly to Radiologic Technology Program, Bakersfield College, 1801 Panorama Drive, Bakersfield, CA 93305. All transcripts must be received during the application dates listed above.
4. Students not enrolled must reapply for each program cycle to keep their file active. If the student does not reapply, the file will be destroyed.

**NOTE:** Equivalent courses taken at other accredited colleges must be verified by *official* transcripts. Requests for consideration of course equivalency must be made by the student to the Bakersfield College Admissions and Records Office, (661) 395-4301. It is the student's responsibility to see that the equivalency is provided to the program within the enrollment filing period.

### General Education Requirements

General education courses are required to graduate from the Bakersfield College Associate Degree Radiologic Technology Program, and it is suggested that most be completed prior to admission into the program:

1. English - English B1 minimum required; English B1a recommended
2. Speech - Speech B1 or B2
3. Social Science - History B17a or other Social Science\* course
4. Behavioral Science - Psychology B1a recommended
5. Humanities - Philosophy B12 recommended or other Humanities\* course
6. Computer Science (3 units) - COMS B2 or COMS B5 or equivalent is necessary to meet program completion requirements.

7. All other graduation requirements of the college must be met to receive the A.S. degree in Radiologic Technology. An individual who has previously received an associate degree or higher may apply for the A.S. degree in Radiologic Technology providing all requirements have been met. However, if an individual has previously received an associate degree, or higher, it is not necessary for an individual to work towards the A.S. degree.

\*See BC General Education Requirements.

**Physical Examination/ Drug and Alcohol Screening/ Program Information**

1. A physical examination completed by a physician of the student's choice will be required after enrollment into the program to demonstrate that a student meets the technical standards\* necessary to meet the objectives of the program. Appropriate immunizations and/or vaccinations are also required. These are done at the student's expense.
2. As a condition of enrollment to any Allied Health Program with a clinical component, all students are required to submit to and pass a designated drug and alcohol screen. This will be done at the student's expense.
3. Students will be required to purchase uniforms, textbooks and selected equipment and provide transportation to off-campus sites for clinical education and pay current college fees. The student should be aware that books, uniforms, fees and required equipment for the first year of the program cost approximately \$700-\$850. The following semesters require books and registration fees.
4. A copy of the "Essential Technical Standards" required for Radiologic Technologists may be obtained in the Allied Health Division Office.

**Note:** Record of any conviction, misdemeanor or felony is subject to review by the American Registry of Radiologic Technologists (ARRT) before certification may be granted. Anyone who wishes clarification may contact the ARRT, 1225 Northland Drive, St. Paul, MN 55120-1155, (651) 687-0048.

**Accreditation**

The Radiologic Technology Program is nationally accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 900, Chicago, Illinois 60606-2901, (312) 704-5300. The program is also accredited by the State of California, Department of Health Services, Radiologic Health Branch, P.O. Box 942732, Sacramento, CA 94234-7320, (916) 445-0931.

**Associate Degree Radiologic Technology Program**

The following courses are taken after students have been enrolled in the Radiologic Technology Program.

**First Summer**

Course Number	Title	Units
RADT B1a	Introduction to Radiologic Technology	2.0
RADT B4a	Introduction to Clinical Education	1.0

MEDS B67	Basic Patient Skills	3.0
MEDS B67L	Basic Patient Skills Lab (optional)	2.0
	<b>TOTAL</b>	<b>6.0 - 8.0</b>

**First Fall Semester**

Course Number	Title	Units
RADT B2a	Radiographic Anatomy and Positioning 1	3.0
RADT B3a	Radiographic Principles 1	3.0
RADT B4b	Clinical Education 1	4.0
	General Education (if needed)	3.0
	<b>TOTAL</b>	<b>10-13.0</b>

**First Spring Semester**

Course Number	Title	Units
RADT B2b	Radiographic Anatomy and Positioning 2	3.0
RADT B3b	Radiographic Principles 2	3.0
RADT B6	Clinical Education 2	5.0
RADT B30	Principles of Venipuncture	1.0
	General Education (if needed)	3.0
	<b>TOTAL</b>	<b>12-15.0</b>

**Second Summer**

Course Number	Title	Units
RADT B7	Clinical Education 3	6.0

**Second Fall Semester**

Course Number	Title	Units
RADT B2c	Radiographic Anatomy and Positioning 3	3.0
RADT B5	Radiation Physics	3.0
RADT B10	Clinical Education 4	7.5
	General Education (if needed)	3.0
	<b>TOTAL</b>	<b>13.5-16.5</b>

**Second Spring Semester**

Course Number	Title	Units
RADT B9a	Sectional Anatomy for Medical Imaging	3.0
RADT B9c	Principles of Angiography	1.0
RADT B11	Radiographic Pathology	2.0
RADT B12	Radiobiology and Radiation Protection	2.0
RADT B13	Clinical Education 5	6.5
	<b>TOTAL</b>	<b>14.5</b>

**Registered Nursing**

Nursing education prepares the graduate to provide services to those who need health care. As needs are varied so are educational programs, which may proceed from the simpler to the more complex in accordance with the career ladder concept. The progression reads: nursing assistant, licensed vocational nurse, registered nurse, and other nurses with Bachelor of Science, Master of Science, Doctorate in Nursing and special certifications. This role of a new graduate is usually that of a staff nurse. With additional education, a nurse may advance to a position of supervisor, administrator, clinical specialist, educator, or researcher.

**Curriculum Framework**

The curriculum is based upon the following concepts which provide a framework for theory and practice at each level:

1. Utilization of the nursing process to assess, plan, implement, and evaluate nursing care.
2. Man as a bio-psycho-social-spiritual being.
3. The personal and professional development of the student to prepare for the role of a Registered Nurse.

## ENROLLMENT IN THE ASSOCIATE DEGREE PROGRAM

### General Information

1. This is a four-semester Associate Degree Nursing Program (ADN). Students must also complete all the Bakersfield College General Education Requirements for graduation in addition to the prerequisite courses.
2. Upon successful completion of the ADN Program, graduates are eligible to take the National Council Licensure Examination for licensure as a Registered Nurse.

### Enrollment Filing Periods

1. Month of February for fall semester.
2. Month of September for spring semester.
3. All enrollment forms must be received in the Allied Health Office during the stated filing period. **Forms received prior to these dates will be returned. Late forms will not be accepted.**

### Enrollment Procedures

1. Complete required prerequisite courses (see below).
2. Obtain enrollment form from the BC Allied Health Office in room MS 178 or the Counseling Center located in the Student Services building on the main campus or by telephone, 395-4281.
3. Arrange for **official** copies of all college transcripts to be mailed directly to the Associate Degree Nursing Program, Bakersfield College, 1801 Panorama Dr., Bakersfield, CA 93305. Students attending BC must furnish a BC transcript.
4. Students not enrolled must complete program enrollment forms each semester in order to remain on the waiting list.

### Prerequisite Course Requirements

All prerequisite courses must be completed prior to the start of the program with a “C” grade or higher. When there are more students filing enrollment forms than space available, priority is provided to students with all prerequisite courses completed at time of submission of enrollment form.

- a. MATH BA/B200a at BC or an equivalent course at another accredited college, or two semesters of high school algebra.
- b. CHEM B11 or CHEM B15 and B16, or CHEM B1a or CHEM B2a at BC or an equivalent course at another accredited college. (Students who plan to complete the BC ADN program and later pursue their bachelor’s in nursing at Cal State University, Bakersfield are advised to take CHEM B15 and B16.)
- c. BIOL B14 at BC or equivalent course at another accredited college.

- d. BIOL B15 at BC or equivalent course at another accredited college.
- e. BIOL B16 at BC or equivalent course at another accredited college.
- f. ENGL B1a at BC or equivalent course at another accredited college.
- g. Graduation from high school or equivalent education.
- h. Computer studies (1 unit) or evidence of proficiency.
- i. Nurse Assistance course/certification.
- j. Basic healthcare provider CPR card current within one year.
- k. Overall cumulative GPA of 2.5.
- l. Completion of Nursing Readiness Exam (administered on first day of class).
- m. MEDS B60 Medical Terminology – highly recommended

### General Education Courses

1. The following courses are also required to graduate from the Bakersfield College ADN Program and it is suggested that most of them be completed prior to enrollment in the program:
  - a. SPCH B1 or B2
  - b. HIST B17a or other social science course
  - c. PSYC B1a
  - d. SOCI B1 or ANTH B2
  - e. PHIL B12 or other humanities course

**Note:** Equivalent courses taken at other accredited colleges must be verified by official transcripts. Requests for consideration of courses for equivalency must be made to the Bakersfield College Admissions and Records Office.

### Associate Degree Nurse Program

The following courses are taken after students have been formally enrolled in the ADN Program.

#### First Semester

Course Number	Title	Units
NURS B1	Nursing Fundamentals	3.0
NURS B1L	Nursing Fundamentals Laboratory	3.0
NURS B1g	Gerontological Nursing	1.0
NURS B1gL	Gerontological Nursing Laboratory	1.5
NURS B31	Basic Pharmacology	2.0
	TOTAL	10.5

#### Second Semester

Course Number	Title	Units
NURS B3a	Medical/Surgical Nursing	2.0
NURS B3aL	Medical/Surgical Nursing Laboratory	2.5
NURS B7	Maternal/Newborn Nursing	1.5
NURS B7L	Maternal/Newborn Nursing Lab	1.5
NURS B32	Advanced Pharmacology	2.0
	TOTAL	9.5

#### Third Semester

Course Number	Title	Units
NURS B3b	Medical/Surgical Nursing	2.0
NURS B3bL	Medical/Surgical Nursing Laboratory	2.0

NURS B6	Pediatric Nursing	1.5
NURS B6L	Pediatric Nursing Laboratory	1.5
NURS B8	Psychiatric/Mental Health Nursing	2.0
NURS B8L	Psychiatric/Mental Health Nursing Laboratory	1.5
	<b>TOTAL</b>	<b>10.5</b>

**Fourth Semester**

Course Number	Title	Units
NURS B9	Advanced Medical/Surgical Nursing	3.0
NURS B9L	Advanced Medical/Surgical Nursing Laboratory	5.0
NURS B10	Nursing Management/Leadership	1.5
	<b>TOTAL</b>	<b>9.5</b>

**NOTE:** The clinical components of all nursing courses are graded on a credit/no credit basis only.

ADN students are exempt from the maximum of three Credit/No Credit units which may be taken in a semester and from the maximum of 12 Credit/No Credit units which may be applied toward the AA and AS degrees at Bakersfield College.

**Physical Examination/Drug and Alcohol Screening**

See Enrollment to Allied Health Programs.

**Program Supply Information**

Students will be required to purchase uniforms, textbooks and selected equipment, provide transportation to off-campus clinical education sites and pay current college fees. An estimated cost for books, uniforms, fees and required equipment for the first term of the Program is approximately \$900.00. Second and third semesters usually only require registration fees and books. In addition to registration fees and books, the ADN fourth semester's expenses will include Program Completion activities, Program pin, ATI test, and State Board application fees.

**NOTE:** Record of any misdemeanor and/or felony is subject to review by the Board of Registered Nursing before an R.N. license may be granted. Anyone who wishes clarification may contact the Board of Registered Nursing, 400 R Street, Suite 4030, Sacramento, CA 95814, (916) 322-3350.

**LVN to Associate Degree Nurse Program**

**General Information**

Vocational nurses who wish to complete requirements for eligibility for the registered nurse licensure examination as an Associate Degree Nurse will be considered for advanced placement. Admission to the Educational Mobility Program in Nursing is dependent upon completion of all prerequisite requirements, and available space.

**Enrollment Filing Periods and Procedures**

See Enrollment Periods and Enrollment Procedures Associate Degree Nurse

**Prerequisite Course Requirements**

The prerequisite course requirements are the same as the Associate Degree Nursing Program except for the requirements of CNA and Medical Terminology. It is recommended that students audit NURS B3a. A current Vocational Nurse license must be presented for verification.

**General Education Requirements**

The General Education Requirements are the same as for the Associate Degree Nursing Program.

**NOTE:** Equivalent courses taken at other colleges must be verified by official transcripts. Requests for consideration of courses for equivalency must be made to the Bakersfield College Admissions and Records Office.

**Required Nursing Courses**

The following courses are taken after students have been formally enrolled for advanced placement in the ADN Program.

**Third Semester**

Course Number	Title	Units
NURS B3b	Medical/Surgical Nursing	2.0
NURS B3bL	Medical/Surgical Nursing Laboratory	2.0
NURS B8	Psychiatric/Mental Health Nursing	2.0
NURS B8L	Psychiatric/Mental Health Nursing Laboratory	1.5
NURS B32	Advanced Pharmacology	2.0
NURS B70	Bridging Nursing Theory (recommended to be taken prior to entering program)	2.5
	<b>TOTAL</b>	<b>12.0</b>

**Fourth Semester**

Course Number	Title	Units
NURS B9	Advanced Medical/Surgical Nursing	3.0
NURS B9L	Advanced Medical/Surgical Nursing Laboratory	5.0
NURS B10	Nursing Management/Leadership	1.5
	<b>TOTAL</b>	<b>9.5</b>

**Future Transfer Students**

Students who plan to obtain their bachelor's degree in nursing at California State University, Bakersfield after completing the Bakersfield College ADN Program will need to take NUTR B10 and PSYC B40 at BC prior to transfer. In addition, there may be other General Education courses required. Contact the Counseling Center for further information at 395-4421.

**Physical Examination/Drug and Alcohol Screening**

See Enrollment to Allied Health Programs

**Program Supplies**

Students will be required to purchase uniforms, textbooks and selected equipment, provide transportation to off-campus sites for laboratory experience, and pay current college fees. These costs total approximately \$900.

**NOTE:** Record of any misdemeanor and/or felony is subject to review by the Board of Registered Nursing before an R.N. license may be granted. Anyone who wishes clarification may contact the Board of Registered Nursing, 400 R Street, Suite 4030, Sacramento, CA 95814, (916) 322-3350.

### **LVN to Non-Degree Nurse (30 unit option)**

Students seeking information regarding the 30-unit option preparation for the registered nurse licensing examination may receive further information from the Counseling Center or the Director of the Associate Degree Nursing Program.

### **Transfer Policy**

1. Academic credit earned in regionally accredited institutions of higher education for comparable prelicensure courses will be accepted for transfer.
2. A student who has successfully completed nursing courses in an approved or accredited nursing program may be eligible to receive credit for equivalent courses within the Nursing Program curriculum.
3. Equivalency will be determined on the basis of catalog description, course outline content comparison, and hours distribution.
4. A challenge examination may be required when equivalency cannot be determined. One semester in residency will be required to attain degree status from the college.

### **Challenge by Examination Policy**

1. Challenge examinations are available for all courses in the nursing education curriculum. Students seeking challenge by examination credit will be counseled individually by the Director.
2. Challenge examination for credit based on previous education/experience must be requested by the student six weeks prior to the start of the semester in which the course is scheduled to be taught.

### **Vocational Nursing**

Vocational Nursing at Bakersfield College is a three-semester *certificate* program. Upon successful completion of the VN program, graduates are eligible to take the National Council Licensure Examination for Practical Nurses for licensure as a Vocational Nurse.

### **Curriculum Framework**

The curriculum is based upon the following concepts which provide a framework for theory and practice at each level:

1. Utilization of the nursing process to assess, plan, implement, and evaluate nursing care.
2. Man as a bio-psycho-social-spiritual being.
3. The personal and professional development of the student to prepare for the role of a Vocational Nurse.

### **Enrollment Filing Period**

One VN class is accepted to begin every three semesters. Enrollment forms are accepted in the Allied Health Division in February for fall semester admission and September for

spring semester admission. ***Enrollment forms received prior to these dates will be returned.*** Enrollment forms are accepted in February 2001 for the next program start in fall 2001.

### **Enrollment Procedures**

1. Complete prerequisite courses.
2. Submit a completed enrollment form during the correct period. Forms may be obtained from the BC Allied Health Division or the Counseling Center located in the Student Services building on the main campus.
3. Provide proof of graduation from high school or equivalent education (GED).
4. Arrange for official copies of high school and college transcripts to be mailed directly to the Allied Health Division, Bakersfield College, 1801 Panorama Drive, Bakersfield, CA 93305. Students attending BC must furnish a BC transcript.
5. Provide assessment scores if needed (see note below).
6. Students not admitted must complete program enrollment forms each enrollment filing period in order to remain on the waiting list.

### **Prerequisite Course Requirements**

Students may *apply* for Vocational Nursing Program Enrollment while prerequisite courses are in progress, but must submit evidence of successful completion of all prerequisite courses prior to the start date of the enrollment semester.

1. The following courses must be completed with a minimum grade of "C."
  - a. BIOL B18 (Essentials of Human Anatomy and Physiology) or equivalent course at another accredited college.
  - b. PSYC B1a (General Psychology) or equivalent course at another accredited college.
  - c. MATH BA/B200A (Elementary Algebra) or equivalent score on the BC assessment test or two semesters of high school algebra. Assessment scores must be provided by the applicant prior to the application deadline.
2. Other prerequisite requirements:
  - a. Eligibility for ENGL B1a on the current BC assessment test, or completion of ENGL B1 at BC.
  - b. Graduation from high school or equivalent education (GED).
  - c. Certified Nurse Assistant
  - d. Completion of any computer studies course numbered 50-57 (introduction to computer courses) or equivalent course at another accredited college or documentation of proficiency. Note: This course may be taken during the VN program, but must be completed prior to the beginning of the 2nd semester of the program.

### **Vocational Nursing Program**

The following courses are taken after students have been formally accepted into the Vocational Nursing Program.

**First Semester**

Course Number	Title	Units
NURS B1	Nursing Fundamentals	3.0
NURS B1Lv	Medical-Surgical Nursing I Laboratory	6.0
NURS B1g	Gerontological Nursing	1.0
NURS B31	Basic Pharmacology	2.0
VNRS B75	Medical-Surgical Nursing I	3.5
	Total	15.5

**Second Semester**

Course Number	Title	Units
VNRS B80	Medical-Surgical Nursing II	4.0
VNRS B80Lv	Medical-Surgical II Laboratory	3.0
VNRS B81	Medical-Surgical Nursing III	4.0
VNRS B81Lv	Medical-Surgical III Laboratory	3.0
NURS B50	Advanced Pharmacology	1.0
	Total	15.0

**Third Semester**

Course Number	Title	Units
NURS B6	Pediatric Nursing	1.5
NURS B7	Maternal-Newborn Nursing	1.5
VNRS B91Lv	Maternal-Newborn, Pediatric Laboratory	3.0
VNRS B90	Medical-Surgical Nursing IV	4.5
VNRS B90Lv	Medical-Surgical IV Laboratory	3.0
	Total	13.5

**NOTE:** The laboratory components of all nursing courses are graded on credit/no credit basis only.

**Physical Examination/Drug and Alcohol Screening**

See Enrollment to Allied Health Programs.

VN Students are exempt from the maximum of three credit/no credit units which may be taken in a semester and from the maximum of 12 credit/no credit units which may be applied toward the AA and AS degrees at Bakersfield College.

**Program Supplies Information**

Books, uniforms, fees and required equipment for the first semester of the program cost approximately \$900. The following semester requires books and registration fees. Third semester expenses include program completion costs of nursing pin and State Board application fees.

**NOTE:** Record of any misdemeanor and/or felony is subject to review by the Board of Vocational Nurse and Psychiatric Technician Examiners before a VN license may be granted. Anyone who wishes clarification may contact the Board of Vocational Nursing & Psychiatric Technicians 2535 Capitol Oaks Drive, Suite 205, Sacramento, CA 95833 (916) 263-7800.

**COURSE DESCRIPTIONS**

The following abbreviations are commonly used in the course descriptions: **lect** lecture; **lab** laboratory; **demo** demonstration; **Repeat** repeatability (see policy on course repetition); **CCS** Course Classification System. Hours given in parentheses are total hours for the course. Hours lecture, lab, etc., are hours required per week usually. **Offered:** F=course is offered fall semester; S=course is offered spring semester; SS=course is offered summer session. If there is no designation, the course is offered irregularly. Check with the department for information. Many classes are offered occasionally during the summer. Check the summer class schedule for additional course listings. Prerequisites are expressed as minimum requirements. See page 40 for a complete explanation. (CSU) indicates transferable to California State Universities; (UC) indicates transferable to University of California.

**EMERGENCY MEDICAL TECHNICIAN**

**EMTC B1 Emergency Medical Care (4 units)**

Provides the student with an understanding of the skills and assessment techniques needed to care for an ill or injured person in the pre-hospital setting. Closely follows the state regulations for EMT-1A training and leads to certification at the county level. Required for ambulance personnel, the California Highway Patrol (CHP) and many other first care providers. The student must meet Allied Health Division health requirements to participate in the laboratory section of course. Any expenses involved in meeting the health requirements are the students' responsibility. **Prerequisite:** Must be at least 18 years of age by the end of class. **Hours:** (120) 8 lect/lab per week for 13 weeks, plus 16 ER/ambulance experience. **Offered:** F, S. **Repeat:** As necessary for state EMS regulations. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**EMTC B1R Emergency Medical Technician I Recertification Preparation (1 unit)**

Provides a review of the material taught in the primary class for Emergency Medical Technicians, including updates on EMTC B issues and new material or skill techniques that have been approved since previous certification or recertification class. Closely follows California State regulations and leads to a recertification-completion certificate. Required to continue practice of pre-hospital emergency care. **Prerequisite:** Current EMTC B certification or certification that has expired in less than one year. **Hours:** (27) 8 lect/lab/testing per week for 3 weeks, plus 3 hours by arrangement. **Offered:** S. **Repeat:** As often as necessary for recertification. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**MEDICAL SCIENCE**

**MEDS B35 Life Span Development (3 units)**

Study of normal human growth and development in prenatal, childhood, adolescent, adult and old age periods. A balanced study of basic theories, research, applications, and principles

of physiological, cognitive, and psychosocial development are discussed. Related observations are required. Health maintenance and safety issues for all age levels are incorporated. Concepts of death and dying are considered. **Recommended:** Reading Level 5 or 6. **Hours:** (54) 3 lect, field trip required. **Offered:** F, S **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges. Note: Formerly NURS B35.

### **MEDS B51 Exploring Health Care Occupations (2 units)**

Designed to assist students in understanding the scope of practice of health care career options. The students will be given an overview of several health care careers and will acquire the abilities needed to research the basic skills and educational requirements needed for health care careers. Assist students in becoming more aware of own interests, values, and skills which will help in directing their educational plan. **Hours:** (36) 2 lect. **Offered:** F, S, SS. **CCS:** Occupational Education. **Not Transferable:** Not Degree applicable.

### **MEDS B60 Medical Terminology (2-3 units)**

A study of some basic medical terms related to the major body systems. Three units are required for registered and vocational nursing, radiologic technology, medical billing and transcribers. Two units are recommended for nursing assistant and emergency medical technician students. **Hours:** (36-54) 2-3 lect/disc. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **MEDS B65 Cardiac Rhythm Interpretation (2 units)**

Interpretation of basic cardiac rhythms in health related field settings. Heart anatomy, physiology, dysrhythmia interpretation, and interventions. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **MEDS B66 Intravenous Therapy and Blood Withdrawal (2 units)**

Enables health care providers to safely initiate and maintain intravenous therapy and withdraw venous blood in a medical setting. Course is approved by the California Board of Vocational Nursing and Psychiatric Technician Examiners. **Hours:** (36) 3 lect, 1 lab for 9 weeks. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **MEDS B67 Basic Patient Skills (3 units)**

Foundation skills for basic caregivers. Topics include role of caregiver, healthcare environments, healthcare safety, adult needs in health and illness and basic caregiving skills. **Recommended** MEDS B60. **Hours:** (54) 6 lect for 9 weeks. **Offered:** F, S, SS. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **MEDS B67L Basic Patient Skills Laboratory (2 units)**

Foundation skills for basic caregivers. Topics include role of caregiver, healthcare environment, healthcare safety, adult

needs in health and illness and basic caregiving skills.

**Prerequisite:** Concurrent enrollment or previous completion of MEDS B67. **Hours:** (108) 12 lab for 9 weeks. **Offered:** F, S, SS. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

## **RADIOLOGIC TECHNOLOGY**

### **RADT B1a Introduction to Radiologic Technology (2 units)**

Orientation to the duties and responsibilities of the Radiologic Technologist. Emphasizes the medical use of radiation, interpersonal communication, ethics, radiation safety and protection, foundations and futures of medicine and radiology, hospital and departmental operations, professional development and quality assurance. Assistance in understanding program requirements. **Prerequisite:** Acceptance in the Radiologic Technology Program. **Hours:** (36) 6 lect for 6 weeks. **Offered:** SS. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B2a Radiographic Anatomy and Positioning 1 (3 units)**

Instruction and laboratory practice in radiographic positioning of the chest, abdomen, lower and upper extremities with correlated film anatomy. **Prerequisites:** Completion of first summer session of Radiologic Technology Program. **Hours:** (90) 2 lect, 3 lab. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B2b Radiographic Anatomy and Positioning 2 (3 units)**

Instruction and laboratory practice in radiographic positioning of the vertebral column, bony thorax, gastrointestinal, biliary and urinary systems with correlated film anatomy. **Prerequisites:** Completion of second semester of Radiologic Technology Program **Hours:** (90) 2 lect, 3 lab. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B2c Radiographic Anatomy and Positioning 3 (3 units)**

Instruction and laboratory practical experience in skull, reproductive system, mammography, and related pediatric exams, with correlated film anatomy. **Prerequisites:** Completion of second summer session of Radiologic Technology Program. **Hours:** (90) 2 lect, 3 lab. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B3a Radiographic Principles 1 (3 units)**

Principles of x-ray image creation, basic radiation protection, technical factors affecting the x-ray beam, beam restriction, filtration, and radiation absorption. Covers accessory supplies and equipment, grids, intensifying screen and holders, radiographic film, processing and sensitometry. **Prerequisites:** Completion of first summer session of Radiologic

Technology Program. **Hours:** (90) 2 lect, 3 lab. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B3b Radiographic Principles 2 (3 units)**

Principles of radiographic image analysis including density, contrast recorded detail and distortion. Manipulation of exposure factors, automatic exposure control, and quality control analysis. Principles of mobile radiography, fluoroscopy and tomography. **Prerequisites:** Completion of first fall semester of Radiologic Technology Program. **Hours:** (90) 2 lect, 3 lab. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B4a Introduction to Clinical Education (1 unit)**

Orientation to clinical education including introduction to patient transportation techniques, film processing, office reception and filing procedures. Observation and introduction to basic radiographic procedures stressing radiation safety and protection. Techniques of cardiopulmonary resuscitation. **Prerequisites:** Acceptance into the radiologic technology program. **Hours:** (54) 8 clinical experience for 6 weeks and 6 hours by arrangement. **Offered:** SS. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B4b Clinical Education I (4 units)**

Supervised clinical experiences are provided to develop skills in basic radiographic procedures. Fundamentals of anatomy, positioning and technical factors of film quality, radiation safety and protection. **Prerequisite:** Completion of first summer session of Radiologic Technology Program. **Hours:** (288) 16 hours clinical experience. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B5 Radiation Physics (3 units)**

Physics of electromagnetic radiation, electricity, current, resistance, and interaction of radiation with matter. Types of x-ray machines, circuitry, x-ray tubes, production of x-rays and radiation protection safety. **Prerequisite:** Enrollment in Radiologic Technology Program. **Hours:** (90) 5 lect/disc. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B6 Clinical Education 2 (5 units)**

Supervised clinical experiences are provided to perfect skills in a variety of basic radiographic procedures. Case studies of radiographic procedures discussing the fundamentals of anatomy, positioning and technical factors of film quality are analyzed on a case-by-case basis. **Prerequisite:** Completion of first semester of Radiologic Technology Program with minimum grades of "C." **Hours:** (288) 16 clinical experience to include one hour lecture. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B7 Clinical Education 3 (6 units)**

Supervised clinical experiences are provided to perfect skills in a variety of radiographic procedures. Case studies of radiographic procedures discussing the fundamentals of anatomy, positioning and technical factors of film quality are analyzed on a case-by-case basis. Extension of radiographic procedures demonstrated in RADT B2a, B2b. **Prerequisite:** Completion of second semester of Radiologic Technology Program. **Hours:** (360) 40 hours clinical experience for 9 weeks to include two hours lecture. **Offered:** SS. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B9a Sectional Anatomy for Medical Imaging (3 units)**

Sectional anatomy of the head and neck, spine, thorax, abdomen and pelvis. Emphasis on computed tomography and magnetic resonance images and other imaging modalities using sectional anatomy. **Prerequisite:** Completion of second summer session of Radiologic Technology Program or evaluation by instructor. **Hours:** (54) 3 lect. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B9c Principles of Angiography (1 unit)**

Introduction to the principles of cardiac, pulmonary, systemic and lymphatic angiography with radiographic film correlation of anatomy. Cinefluorographic equipment and procedures are discussed. Review of angiographic trends including interventional procedures. **Prerequisite:** Concurrent enrollment in the Radiologic Technology Program or evaluation by instructor of student's x-ray technology skills. **Hours:** (18) 2 lect for 9 weeks. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B10 Clinical Education 4 (7.5 units)**

Supervised clinical experiences are provided to perfect skills in advanced radiographic procedures. Case studies of radiographic procedures discussing anatomy, pathology, positioning and technical factors of image quality are analyzed on a case-by-case basis. Correlated with RADT B2c. **Prerequisite:** Completion of second summer session of Radiologic Technology Program, **Hours:** (432) 24 hours clinical experience to include one hour lecture. **Offered:** F. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

#### **RADT B11 Radiographic Pathology (2 units)**

Pathology and medical terminology pertinent to diagnostic medical radiography. Nature, causes, manifestations and treatment of disease. Imaging procedures utilized when making diagnosis. **Prerequisites:** Completion of second fall semester of Radiologic Technology Program. **Hours:** (36) 2 lect. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B12 Radiobiology and Radiation Protection (2 units)**

Instruction in the fundamental concepts of radiation protection with review of current California Health and Safety codes pertaining to radiologic technology. Biological effects on living systems, as well as radiation units, dose determinations, and personnel monitoring are included. **Prerequisite:** Current enrollment in Radiologic Technology Program.

**Hours:** (36) 2 lect. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B13 Clinical Education 5 (6.5 units)**

Supervised clinical experiences are provided to perfect skills in advanced radiographic procedures. Designed to prepare the student for program completion and certification examinations. **Prerequisite:** Completion of third semester of Radiologic Technology Program with minimum grades of "C." **Hours:** (432) 24 hours clinical experience. **Offered:** S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **RADT B30 Principles of Venipuncture (1.0 units)**

Basic instruction and practice of venipuncture methods and procedures for the administration of contrast agents. Routes of administration, safety, basic pharmacology, dosage calculations and emergency procedures. Course meets California Health and Safety Code, Section 106985, pertaining to Certified Radiologic Technologists performing venipuncture. **Prerequisite:** Current Cardiopulmonary Resuscitation Healthcare Provider Card. **Hours:** (18) 2 lect for 9 weeks. **Offered:** F, S, SS. **CCS:** Occupational Education.

**Transferable:** CSU and private colleges.

### **RADT B50 Principles of Fluoroscopy (2 units)**

Principles and techniques of fluoroscopy equipment, image intensifiers, television, image recording, devices and mobile fluoroscopy. Anatomy and physiology of the eye, three dimensional and radiologic anatomy. Fluoroscopy regulations, radiation safety and quality control. Upon successful completion of this course, the student will be eligible to apply for the State of California Fluoroscopy permit. **Prerequisite:** Hold or be eligible as a Certified Radiologic Technologist (CRT) in Diagnostic or Therapeutic Radiology within the State of California. **Hours:** (63) 5 lect, 2 lab for 9 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

## **REGISTERED NURSING**

### **NURS B1 Nursing Fundamentals (3 units)**

Provides a foundation of basic nursing arts and sciences necessary for the practice of nursing. Professional issues and trends of nursing are identified along with the development of an understanding of the nursing process. Concepts of the nurse, client and health care environment, professional nursing and nursing skills, growth and development of the adult, human needs in health and illness, basic physiological

needs, and providing a safe environment are presented.

**Prerequisites:** Entrance in the ADN or VN Program having met program prerequisites or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B1L/B1LV. **Hours:** (54) 3 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B1g Gerontological Nursing (1 unit)**

Provides a foundation for basic gerontological nursing using demographics, theories of aging, and growth and development concepts as a framework for presenting the health problems and special concerns of the elderly. Legal and ethical issues and income, economics, and health care of older adults using a nursing process approach are discussed. **Prerequisites:** Entrance in the ADN or VN Program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B1gL/B1LV. **Hours:** (18) 1 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B1gL Gerontological Nursing Laboratory (1.5 units)**

Correlated laboratory experiences are provided with emphasis on the geriatric client. Concepts presented in NURS B1g are applied in various geriatric care facilities. **Prerequisite:** Entrance in the ADN Program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B1g. **Hours:** (81) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B1L Nursing Fundamentals Laboratory (3 units)**

Correlated laboratory experiences are provided with adult clients who have basic health problems. Concepts presented in NURS B 1 are applied in medical-surgical units of various hospitals. The student is guided by specific measurable laboratory objectives for each learning experience. **Prerequisite:** Entrance in the ADN Program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B1. **Hours:** (162) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B3a Medical/Surgical Nursing (2 units)**

Provides a foundation for theoretical and technical knowledge base to care for adult clients and families. Focus is on identification and treatment of physiological and pathophysiological health problems and to promote and maintain optimal health. Coverage of health problems uses a nursing process approach. **Prerequisites:** Completion of first semester of ADN/VN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B3aL. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B3aL Medical/Surgical Nursing Laboratory (2.5 units)**

Correlated laboratory experiences are provided with emphasis on the adult client. Concepts presented in NURS B3a are applied in a variety of hospital settings. **Prerequisite:** Concurrent enrollment in NURS B3a. **Hours:** (135) Hours by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B3b Medical/Surgical Nursing (2 units)**

Builds on knowledge from NURS B3a and continues to provide theoretical and technical knowledge base to care for adult clients and families. Focus is further knowledge, identification and treatment of physiological and pathophysiological health problems in caring for clients with higher acuity and more complex comprehensive nursing needs and to promote and maintain optimal health. Coverage of health problems uses a nursing process approach. **Prerequisites:** Completion of the first and second semesters of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B3bL. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B3bL Medical/Surgical Nursing Laboratory (2 units)**

NURS B3bL builds on knowledge from NURS B3aL with the continuation of correlated laboratory experiences provided with emphasis on the multiple adult and geriatric clients and families. Concepts presented in NURS B3b are applied in a variety of hospital settings. Laboratory emphasis from the previous semester changes and focuses on knowledge necessary to care for clients with higher acuity and more complex comprehensive nursing needs. **Prerequisite:** Concurrent enrollment in NURS B3b. **Hours:** (108) Hours by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B6 Pediatric Nursing (1.5 units)**

Provides a foundation for pediatric nursing using growth and development concepts as a framework for presenting health problems and special concerns of the pediatric client. Communication, anticipatory guidance, response to hospitalization, legal and ethical issues and health care of pediatric clients are discussed. **Prerequisites:** Completion of the first and second semesters of ADN/VN Program or evaluation by program director of skills and knowledge, concurrent enrollment in NURS B6L. **Hours:** (27) 1.5 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B6L Pediatric Nursing Laboratory (1.5 units)**

Correlated laboratory experiences are provided with emphasis on the pediatric client. Concepts presented in NURS B6 are applied in various pediatric settings. **Prerequisites:** Completion of first and second semesters of ADN/VN Program or evaluation by program director for skills and knowledge,

concurrent enrollment in NURS B6. **Hours:** (81) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B7 Maternal/Newborn Nursing (1.5 units)**

Provides an overview of contemporary family-centered childbirth, incorporating the self-care movement and changing roles of the nurse. Legal and ethical issues of maternal/newborn nursing are discussed. Coverage of maternal/newborn nursing uses a nursing process approach for antepartum, intrapartum, postpartum, and neonatal care. **Prerequisites:** Completion of the first semester of ADN or second semester VN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B7L/B91LV. **Hours:** (27) 1.5 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B7L Maternal/Newborn Nursing Laboratory (1.5 units)**

Correlated laboratory experiences are provided with emphasis on the maternal/newborn client. Concepts presented in NURS B7 are applied in various maternal/newborn facilities. **Prerequisite:** Completion of first semester of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B7. **Hours:** (81) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B8 Psychiatric/Mental Health Nursing (2 units)**

Provides a foundation for psychiatric/mental health nursing using the nursing process, growth and development concepts and psychosocial principles as the framework for presenting the health problems and special concerns of clients with mental/emotional or chemical dependency problems. Legal and ethical issues, communicating/responding strategies, assessment techniques and treatment approaches are discussed. **Prerequisites:** Completion of first and second semesters of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B8L. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B8L Psychiatric/Mental Health Nursing Laboratory (1.5 units)**

Correlated laboratory experiences are provided with emphasis on the psychiatric/mental health client. Concepts presented in NURS B8 are applied in psychiatric and chemical dependency facilities. **Prerequisite:** Completion of first and second semesters of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B8. **Hours:** (81) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

**NURS B9 Advanced Medical Surgical Nursing (3 units)**

Focus is on the integration of all previous knowledge in assuming the leadership role of the professional nurse

providing nursing care at an advanced level to clients with critical and complex disease states and to groups of clients. Coverage of health problems uses a nursing process approach. **Prerequisites:** Completion of first, second, third semesters of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B9L. **Hours:** (54) 3 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B9L Advanced Medical Surgical Nursing Laboratory (5 units)**

Correlated laboratory experiences are provided with emphasis on providing care at an advanced level to clients with critical and complex disease states and to groups of clients. Concepts presented in NURS B9 and B10 are applied in a variety of healthcare facilities. **Prerequisites:** Completion of first, second, third semesters of ADN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B9 and B10. **Hours:** (270) laboratory by arrangement. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B10 Nursing Management/Leadership (1.5 units)**

Provides a foundation for nursing management/leadership using the nursing process as the framework for presenting concepts and principles of management and leadership. This course integrates all previous knowledge preparing the student to assume the leadership role of the professional nurse and to provide nursing care at an advanced level to clients with critical and complex needs and to groups of clients. Legal and ethical issues, issues of professional practice and the application of leadership skills and management techniques are discussed. **Prerequisite:** Completion of the first, second and third semesters of ADN Program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B9L. **Hours:** (27) 1.5 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B31 Basic Pharmacology (2 units)**

Provides a foundation for pharmacological nursing by assisting the student to acquire, comprehend, and apply essential knowledge related to drug therapy. Legal and ethical issues, nursing responsibilities, and client participation associated with medication administration are discussed. A nursing process approach is utilized throughout every aspect of drug study and drug administration. **Prerequisite:** Enrollment in first semester of ADN/VN program or evaluation by program director for skills and knowledge, concurrent enrollment in NURS B1L/B1LV. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B32 Advanced Pharmacology (2 units)**

Provides a foundation of the theoretical and technical knowledge base necessary in meeting pharmacological needs of the client in a variety of settings. Professional issues and

concepts for nursing practice related to intravenous therapy are presented including techniques of intravenous therapy and intravenous drug administration. **Prerequisite:** Completion of first semester of RN program or current RN licensure or evaluation by program director for skills and knowledge. **Hours:** (36) 2 lect. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

### **NURS B50 Advanced VN Pharmacology (1 unit)**

Designed to prepare the vocational student nurse to function safely when administering medications to a group of clients. Student will be administering medications to more complex clients and pediatric clients in the laboratory setting. Expounds on principles learned in NURS B31. **Prerequisite:** Appropriate standing in the VN Program and NURS B31 with a "C" or better. **Hours:** (18) 1 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **NURS B52 Nursing Process (1 unit)**

Provides learning experience during which students gain instruction in developing nursing laboratory assignments. Covers nursing process in creating a nursing care plan and organizing data for planned delivery of client care. **Prerequisite:** Concurrent enrollment in a nursing laboratory course **Hours:** (48) Hours by arrangement. Repeat: 3. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable

### **NURS B70 Bridging Nursing Theory to Practice (2.5 units)**

Designed for the reentry nursing student, especially the LVN who is pursuing licensure as an RN or the RN who wants to update skills to re-enter the workforce. Review of basic nursing knowledge, skills, and pharmacology. Topics covered include the nursing process, physical assessment, role transition and test-taking techniques. **Prerequisite:** LVN or RN. **Hours:** (45) 6.5 lect, 1 lab for 6 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

### **NURS B253 Dysrhythmia Interpretation (0.5 unit)**

Provides laboratory time during which students may obtain hands-on experience practicing ECG dysrhythmia interpretation including sinus rhythm, atrial fibrillation, atrial flutter, premature ventricular contractions, ventricular tachycardia, ventricular fibrillation, asystole, paced rhythms, and supraventricular tachycardia. Students will refine their abilities to recognize and interpret common and serious dysrhythmias, gain training and practice on a variety of rhythm strips and become effective practitioners of dysrhythmia recognition. **Prerequisite:** Concurrent enrollment in NURS B9 and B9L or evaluation by instructor of student's ECG ability. **Hours:** (9) Hours by arrangement. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**NURS B254 Arterial Blood Gas Analysis (0.5 unit)**

Provides laboratory time during which students may obtain hands-on experience practicing arterial blood gas analysis. Students will refine their abilities to interpret arterial blood gases, gain training and become effective practitioners of arterial blood gas analysis. **Prerequisite:** Concurrent enrollment in NURS B9 and B9L. **Hours:** (9) Hours by arrangement. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**NURS B255 Nursing Computer Tutorial Laboratory (0.5 unit)**

Provides reinforcement and remedial instruction through the use of computer assisted instruction (CAI). Assignments would include nursing process, administering medications, how to avoid medication errors, and how to recognize conditions that need a nurse. These CAI's incorporate the nursing process, research, analysis, organization and computers. **Prerequisite:** Concurrent enrollment in a nursing course. **Hours:** (9) Hours by arrangement. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

**VOCATIONAL NURSING**

Individual courses within the Vocational Nursing Program are not transferable. However, the Board of Registered Nursing (BRN) mandates that Licensed Vocational Nurses be given credit for previous education in nursing if they apply for admission to a professional nursing program.

**NURS B1LV Medical-Surgical Nursing I - Laboratory (6 units)**

This laboratory course is correlated with first semester theory courses in the Vocational Nursing Program. The major focus will be on learning fundamental nursing skills with application in geriatric and medical surgical settings. Incorporated is the nursing process which utilizes the skills of assessment, planning, intervention and evaluation providing a systemic approach to nursing practice. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in NURS B1, VNRS B75 and NURS B1G. **Hours:** (324) 18 lab. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B75 Medical-Surgical Nursing I (3.5 units)**

Provides a study of etiology, pathophysiology, assessment, planning and evaluation of adult clients with gastrointestinal, skin, eye, ear, upper airway, nutritional, genitourinary, and fluid and electrolyte disorders. Integrated into course are beginning concepts of therapeutic use of drugs, diet therapy, and the physiological and psychosocial problems. Students are required to initiate critical thinking skills when dealing with clients and families. Concepts and skills in course are correlated in laboratory settings presented in the corresponding NURS B1LV. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in NURS B1LV.

**Hours:** (63) 3.5 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B80 Medical-Surgical Nursing II (4 units)**

Provides a study of etiology, pathophysiology, assessment, planning and evaluation of adult clients with cardiovascular, peripheral vascular and respiratory disorders. Knowledge imparted builds on nursing theory from the previous medical surgical nursing course (VNRS B75 and NURS B1) Emphasis will be placed on developing critical thinking skills. Concepts and skills in this course will be correlated in the various laboratory settings presented in the corresponding VNRS B80LV. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B80LV. **Hours:** (72) 4 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B80LV Medical-Surgical Nursing II Laboratory (3 units)**

This course is correlated with the corresponding medical surgical II theory course in the Vocational Nursing Program. Focus is time management in caring for two clients, providing medications to a group of clients and improving skills learned in VNRS B75 and NURS B1LV. Incorporated in course is the utilization of intermediate assessment, planning, intervention and evaluation skills of the vocational nurse. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B80. **Hours:** (162) 18 lab for 9 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B81 Medical-Surgical Nursing III (4 units)**

A study of the etiology, pathophysiology, assessment, planning and evaluation of adult clients with musculoskeletal, connective tissue, and endocrine disorders. Knowledge imparted in course builds on the nursing theory learned in VNRS B75, NURS B1 and B1G. Emphasis is placed on ongoing development of critical thinking skills. Concepts and skills will be correlated in the various laboratory settings. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B81LV. **Hours:** (72) 4 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B81LV Medical Surgical Nursing III Laboratory (3 units)**

Correlated with the corresponding medical surgical nursing III theory course VNRS B81. Focus is team leading, time management in caring for two clients, providing medications to a group of clients and improving on skills learned in Medical Surgical Nursing I. Incorporated into this course is the utilization of intermediate assessment, planning intervention and evaluation skill under clinical supervision. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B81. **Hours:** (162) 18 lab for 9 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B90 Medical-Surgical Nursing IV (4.5 units)**

Provides a study of etiology, assessment, planning, intervention, and evaluation of adult clients with more complex and critical medical surgical problems and disease states, including multi-system involvement and trauma. Emphasis on advanced clinical skills. Concepts and skills correlated in the various clinical settings presented in the Medical-Surgical Laboratory. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B90LV. **Hours:** (81) 4.5 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B90LV Medical-Surgical Nursing IV Laboratory (3 units)**

Course correlates with the corresponding advanced Medical-Surgical theory courses in the Vocational Nursing Program. Focus is the advanced application of skills learned in VNRS B75LV, VNRS B80LV, and VNRS B81LV. Skills will be applied in caring for the client with more complex and critical medical-surgical problems and disease states, including multi-system involvement and trauma. Incorporated in this course will be the utilization of advanced assessment, planning, intervention and evaluation skills of the vocational nurse. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in VNRS B90. **Hours:** (162) 18 lab for 9 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

**VNRS B91LV Maternal-Newborn, Pediatric Laboratory (3 units)**

Laboratory course which is correlated with the corresponding maternal-newborn and pediatric theory courses in the Vocational Nursing Program. Incorporated is the nursing process which utilizes the skill of assessment, planning, intervention and evaluation providing a systemic approach to nursing practice. **Prerequisite:** Appropriate standing in the VN Program and concurrent enrollment in NURS B6 and NURS B7. **Hours:** (162) 18 lab for 9 weeks. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.