

Addendum



CATALOG
2012-2013
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TRANSFER MAJORS

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TRANSFER MAJORS

ART HISTORY
ASSOCIATE IN ARTS DEGREE TRANSFER (AA-T)
REQUIRED CORE (12 UNITS)

		UNITS
ART 101	Art History I: Prehistory to Gothic	3
ART 102	Art History II: Renaissance to Rococo	3
and ART 103	Art History III: Neo-Classical to Present	3
ART 110	Freehand Drawing	3

List A (Select one: 3 units)

ART 107	Asian Art History	3
ART 104	African Art History	3
or ART 105A	The Arts of Latin American and the Caribbean: Pre-Columbian	(3)
or ART 105B	The Arts of Latin American and the Caribbean: Colonial to the Present	(3)

List B (Select one: 3)

ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 112	Life Drawing	3
ART 194	Multimedia Design	3
ART 150	Introduction to Ceramics	3
PHOT 100	Introductory Photography	3
ART 162	Introduction to Sculpture	3

List C (3-5 units – Choose one course)

Any List A or B course not used above

ART 108	Black Images in Popular Culture	3
HUM 108	Black Images in Popular Culture	3
or ART 109	Gender and Sexuality in Art	(3)
or HUM 109	Gender and Sexuality in Art	(3)

ASSOCIATE IN ARTS IN ART HISTORY FOR TRANSFER
REQUIREMENTS:

Students must complete a minimum of 18 units from the courses listed below and all Associate in Arts Transfer Degree Plan B or Plan C general education requirements, plus any additional units, for a total of 60 units. Double counting courses in GE and the major is permissible. Students are not required to complete any additional local requirements. All 60 units are CSU transferable.

Plan B: To obtain an A.A. Degree using Plan B, complete the department requirements. In addition, you must complete all of the requirements in Plan B (CSU General Education Requirements) in the Cerritos College Catalog.

Plan C: To obtain an A.A. Degree using Plan C, complete the department requirements. In addition, you must complete all of the requirements in Plan C (Intersegmental General Education Transfer Curriculum-IGETC-for transfer to UC and CSU) in the Cerritos College Catalog.



**CERTIFICATES
AND
VERIFICATIONS
OF COMPLETION
MODIFICATIONS**

NURSING

The Cerritos College Nursing Program, approved by the Board of Registered Nursing and accredited by the National League for Nursing Accrediting Commission, Inc., offers an opportunity to prepare for a nursing career through mastery of a specific body of knowledge and skills. To qualify for the program, students must successfully complete prerequisite courses and other requirements as stated below. The generic program (Option A) consists of four semesters of sequenced courses. Students may receive Pass for prior nursing courses to facilitate advanced placement. These students include Licensed Psychiatric Technicians, Licensed Vocational Nurses, students transferring from other accredited programs, and foreign-educated nurses.

For successful completion of the nursing program, the student is required to achieve a minimum 75% in all nursing and nursing-related courses. This is consistent with the Board of Registered Nursing's standard of competency for nursing practice. Completion of the program meets qualifications for the NCLEX-RN licensing exam.

MISSION STATEMENT

The Cerritos College Nursing Program Mission is to prepare nurses to meet the needs of diverse populations in an ever changing health care environment.

PHILOSOPHY

Nursing is defined as a science, discipline and health care practice that focuses on the assessment, diagnosis and treatment of patients having health problems within the domain of nursing. The goals of nursing practice focus on health promotion, illness prevention, rehabilitation, and supporting the resources of the person who is ill or threatened with illness in adapting to changes within the environment.

In addition to implementing the philosophy of the College, the purpose of the Nursing Program is to provide the community with registered nurses who are capable of functioning in a variety of health care settings. To accomplish this, the Roy Adaptation Model has been selected as the primary conceptual framework. Within this framework, nurses identify their patients as biopsychosocial beings in constant interaction with the environment. In periods of health, individuals have both innate and learned behavioral mechanisms which enable them to cope with their complex internal and external environments. In times of stress, the patient's coping mechanisms may be disrupted and the individual is defined as ill. The patient's health status is defined on a continuum from wellness to illness.

Nursing practice focuses on adaptation of the patient in four major modes: physiological, self-concept, role function, and interdependence. The program prepares students to understand individuals as total beings and to recognize and respect a diversity of spiritual and cultural/ethnic values.

COMPETENCIES EXPECTED OF THE ASSOCIATE DEGREE NURSE

The Associate Degree Nurse (ADN) graduate is prepared and expected to practice within the framework of the Educational Competencies for Graduates of Associate Degree Nursing Programs as identified by the NLN Council of Associate Degree Nursing Competencies Task Force in 2000. As identified by the Task Force, AND graduates practice within the framework of eight core components

and competencies. The core components of nursing practice are: professional behaviors, communication, assessment, clinical decision making, caring interventions, teaching and learning, collaboration, and managing care. These core components emphasize competencies related to diversity in healthcare, clinical decision making, assessment, patient education, continuity of care (including community aspects), collaboration and leadership. In order to meet the expected outcomes, the ADN graduate utilizes critical thinking and demonstrates clinical competence and accountability as an adaptable generalist who is committed to caring for others and valuing the profession of nursing.

The Associate Degree Nurse is an entry level practitioner and is competent to practice as a direct caregiver in a variety of health care settings which include diverse patient populations. ADN graduates are employed in a health care delivery system that continues to grow and change. Consequently, ADN graduates may pursue bachelors, masters and doctoral degrees in preparation for advanced levels of practice.

CONCEPT OF EDUCATION

Nursing faculty believe that nursing education is driven by the application of critical thinking and development/improvement of teaching/learning strategies using innovative approaches and evidence based research. Nursing faculty also believe that the purpose of education is to enlighten and enhance the quality of life for the student, the community and patients for whom students and graduates provide care. Education based on mastery learning is viewed by nursing faculty as a collaborative process involving college administrators and staff, nursing faculty and nursing students. Each student enters the nursing program with unique characteristics, capabilities, learning styles, and motivation for learning. To address these individual differences, learning experiences are structured from simple to complex.

The program embraces the diversity of cultural, linguistic, and philosophical differences represented in the student body. Course experiences are designed to encourage discussion, sharing and application of cultural practices that are unique to the individuals and groups represented in the campus and the community.

The goal of the program is to promote students' creative and critical thinking and personal growth based on successful learning experiences. Achievement of this goal is fostered by encouraging self-direction and by providing a variety of individual and group learning experiences. Students are expected to participate actively in the learning process.

CURRICULUM OVERVIEW

The nursing curriculum is based on the Nursing Process and the Roy Adaptation Model. The Nursing Process provides the framework for the application of the Roy Adaptation Model. The Roy Adaptation Model for Nursing was adopted by the Cerritos College nursing faculty in 1981.

Currently, the program utilizes essential elements of the Roy Model to describe our beliefs about man, the environment, health and illness; the goals of nursing care and to organize the collection of data related to the patient's health status. Cerritos College faculty use the Educational Competencies for Graduates of Associate Degree Nursing Programs as identified by the National Council of Associate Degree Nursing Competencies Task Force in 2000 as the reference to guide and structure curriculum development, define and level competencies within the Major Requirements and identify competence expected at graduation.

There are five steps to the Nursing Process: assessment, diagnosis, planning, implementation and evaluation. The Cerritos College nursing student utilizes the Roy Model to collect and organize patient data during the assessment stage of the Nursing Process.

The Roy Adaptation Model views the person as a biopsychosocial being in constant interaction with the environment. As an adaptive organism, the person copes with changes in the environment. A person's health status is defined along a health-illness continuum and may be influenced by life stages and adaptation to needs. In this model, the person is also perceived as having four adaptive modes that identify patient behavior in response to illness or wellness. Behavior is assessed in each of the four modes: the Physiologic Mode, Self-Concept Mode, Role Function Mode and Interdependence Mode. The latter three modes are referred to as the Psychosocial Mode.

The underlying need of the Physiologic Mode is physiological integrity. Components of this mode are: Oxygenation, Nutrition, Elimination, Activity and Rest, Protection, Senses, Fluid and

Electrolytes, Neurological Function, and Endocrine Function. The first five components are identified as basic needs inherent in achieving physiological integrity. The remaining four are considered complex processes which mediate activities regulating the organism's function.

The curriculum addresses normal (adaptive/effective) and abnormal (maladaptive/ineffective) behaviors in each of these Physiologic Mode components, including wellness and disease prevention elements along with disease processes. For each disease or condition, instruction includes pathophysiology and the application of the nursing process: assessment; nursing diagnoses; planning and goal-setting; medical, surgical and nursing interventions; and expected outcomes (evaluation).

The Self-Concept Mode, which aims to maintain psychic integrity, consists of the Physical Self and the Personal Self. The Physical Self includes body sensation and body image. The Personal Self includes self-consistency, self-ideal/self-expectancy, and the moral-ethical-spiritual self. Self-esteem is a pervasive aspect of the Personal Self and relates to the worth or value a person holds related to the self. Concepts related to grief and loss, anxiety and depression are among those addressed in the curriculum content.

The Role Function Mode has three components: Primary Role, Secondary Roles and Tertiary Roles. The underlying need for this mode is social integrity. The Primary Role is an ascribed role based on age, gender, ethnicity and developmental age; it determines the majority of a person's role behaviors. The Secondary Role component encompasses the roles that a person assumes to complete tasks associated with developmental stage and primary role. Tertiary Roles are chosen by the person, usually temporary, and often associated with accomplishment of minor tasks in a person's current development. Role performance includes instrumental and expressive behaviors. Curriculum concepts related to this mode include alterations in role function and role performance.

The Interdependence Mode is a social construct related to giving and receiving of love, respect and value. The underlying need of this mode is to attain and maintain affectional adequacy. Key concepts associated with this mode include: significant others, support systems, giving behaviors, and receiving behaviors. This mode reflects a balance between independence and dependence. Curriculum content includes management of dysfunctional dependence and dysfunctional independence as manifested through alterations in family processes, ineffective family coping, knowledge deficits, substance abuse, and related concepts.

The goal of nursing as expressed in the Roy Adaptation Model is to promote adaptation. The nursing process begins with first level assessment in which both adaptive (effective) and maladaptive (ineffective) behavioral responses of the person are assessed in each component of each mode. Maladaptive behaviors are clustered and expressed as nursing diagnoses. A plan to treat the nursing diagnosis is developed by establishing patient outcomes which are measurable and based on patient behaviors. Nursing interventions are formulated and implemented so that the outcomes can be accomplished. Evaluation of effectiveness of the plan is determined by whether the outcomes have or have not been achieved. If outcomes have not been met, reassessment occurs to determine whether outcomes and/or interventions must be modified.

Graduates of Associate Degree Nursing Program exhibit behaviors that are characterized by clinical decision making, clinical competence, accountability, and a commitment to the value of caring. The Associate Degree Nurse is prepared to provide care to patients with acute and chronic health care needs and is concerned with individuals and their relationships within families, groups and communities. The nurse uses a collaborative approach in working with the patient and with other health care providers. To develop the cognitive, psychomotor and affective abilities necessary to function as a competent caregiver, the nursing student gains knowledge in nursing concepts, principles, processes, and skills. To support acquisition of this knowledge, the Cerritos College curriculum includes understanding of health, acute and chronic health deviations, nutrition, pharmacology, communication, human development, teaching-learning principles, current technology, humanities, and biological, social and behavioral sciences. Anatomy, physiology, microbiology, and English are prerequisite to the core nursing courses. To meet graduation requirements, students may concurrently study pharmacology, communication, fine arts and humanities courses.

The graduate of an Associate Degree program plays a significant role in management of patient care. Managing care is characterized by planning, implementing, organizing, coordinating, delegating and facilitating the continuity of patient care. The Cerritos College curriculum introduces the management of care role in the first semester. In the first semester of the program, the student begins the management of care of one patient. In the second through fourth semesters, the number of patients is progressively increased. In the final semester of the program, students manage care for a team of patients under the supervision of a staff mentor. In addition, the management of patient care includes developing skills in delegation, communication, leadership, and time and resource management. Concepts related to the scope of practice of various licensed and unlicensed caregivers, are included in the curriculum.

The graduate of an Associate Degree Nursing Program adheres to standards of professional practice, is accountable for her/his own actions and behaviors, and practices within ethical, legal, and regulatory frameworks of nursing. The nurse practices within the legal and ethical framework of nursing and contributes to maintaining high standards of nursing practice. Professional behaviors include the concern for others that is demonstrated by caring, valuing the profession of nursing, and participating in ongoing professional development. Curriculum content includes legal rules and regulations affecting nursing practice; institutional guidelines and requirements affecting the student nurse; the roles of professional organizations; resources to enhance the development of the nurse; political, social and economic forces affecting health care and nursing; and organizational factors affecting nursing education and practice.

ACCREDITATION

The Cerritos College Nursing Program is approved by the California Board of Registered Nursing and accredited by the National League for Nursing Accrediting Commission, Inc. Interested parties may contact the following agencies with questions or comments regarding the nursing program accreditation:

California Board of Registered Nursing
P.O. Box 944210

Sacramento, CA 94244-2100

Phone: (916) 322-3350; Hearing impaired individuals call the TDD number: (800) 326-2297; www.rn.ca.gov.

National League for Nursing Accrediting Commission, Inc.,
3343 Peachtree Road NE, Suite 850

Atlanta, CA 30326

Phone: (404) 975-5000; www.nlnac.org

ADMISSION REQUIREMENTS

The nursing program welcomes all applicants. To be considered for acceptance into the program, the applicant must meet the following requirements:

1. High school graduation or the equivalent.
2. Completion of ENGL 100, MATH 80, and READ 54 or equivalent with grades of Pass or "C" or higher or satisfactory completion of the college placement test process. LVN applicants selecting the 30-unit option are required to complete the placement test process for advisement purposes but are not required to complete these courses.
3. Completion of prerequisite courses with grades of "C" or higher: A&P 150, A&P 151, ENGL 100, and MICR 200 with an overall grade point average of 2.5. Only one of the above courses can be repeated if grade of "D", "F" is earned to achieve a better grade. A&P 150, A&P 151, and MICR 200 are recommended to be completed within six (6) years of admission. Repeats for recency will be accepted.
4. Students must pass a diagnostic assessment test (basic math, English, reading, and science) prior to program enrollment. Students who fail to achieve a passing score will be required to complete additional pre-nursing coursework to become eligible for retest prior to admission.
5. A cumulative grade point average of 2.5 for all college work taken.
6. A valid U.S. Social Security number. The Board of Registered Nursing no longer accepts application to take the National Council Licensure Examination (NCLEX-RN) without a valid Social Security number. Additionally, clinical placement sites require a valid Social Security number. All nursing applicants must have a valid United States Social Security number.

PROGRAM PREREQUISITES

Option A: A&P 150, A&P 151, ENGL 100, and MICR 200.

Option B: Same as Option A.

Additional courses required for admission: NRSNG 25, NRSNG 211, NRSNG 213A, NRSNG 251, and PSYC 251 or equivalent with grades of Pass or "C" or higher. Valid California LPT license.

Option C: Same as Option A.

Additional courses required for admission: NRSNG 26, NRSNG 215, NRSNG 251, and PSYC 251 or equivalent with grades of Pass or "C" or higher. Completion of a medication calculation examination with a score of 80% or higher. Valid California LVN license and at least one (1) year of acute care experience in a skilled nursing or hospital based facility.

Option D: A&P 151, MICR 200, NRSNG 215.

Additional requirements: Completion of a medication calculation examination with a score of 80% or higher. Valid California LVN license. At least one (1) year of acute care experience in a skilled nursing or hospital based facility. Optional courses: NRSNG 26, NRSNG 251 (strongly recommended), PSYC 251. Completion of the college placement test process for advisement purposes.

Option E: Same as Option A.

Additional courses required for admission: HO 152, NRSNG 25 if entering prior to the middle of the second semester or NRSNG 26 if entering at or following the middle of the second semester, NRSNG 200, NRSNG 215, NRSNG 251, and PSYC 251 or equivalent with grades of Pass or "C" or higher. ENGL 100, MATH 80, and READ 54 or equivalent with grades of Pass or "C" or higher or satisfactory completion of the college placement test process. Completion of a medication calculation examination with a score of 80% or higher for entry at NRSNG 220 or above. Students applying under this option will be notified individually for additional requirements relative to their entry points in the curriculum when you meet with the program director. Refer to the information packet for required documentation needed prior to this meeting. Information packets are available in the Health Occupations Division office or online at www.cerritos.edu/ho.

Option F: NRSNG 26 and NRSNG 215. Applicants must meet with the Director of Nursing and submit a valid letter of referral from the California Board of Registered Nursing.

All applicants must complete the prerequisites listed above or equivalents with grades of Pass or "C" or higher.

Option A, B, C, and E applicants must show successful completion of ENGL 100, MATH 80, and READ 54 or equivalents with grades of Pass or "C" or higher or satisfactory completion of the college placement test process. Option D applicants are required to complete the placement test process for advisement purposes but are not required to complete these courses.

Option D, E, and F applicants will be notified individually for additional requirements relative to their entry point in the program.

For more information on updated program information or prerequisites, please call the Health Occupations Division Office at (562) 860-2451, Ext. 2550.

APPLICATION PROCESS

- Step 1:** If not previously enrolled at Cerritos College, the applicant must complete a College application. This can be done on-line or in the Admissions and Records Office (in Administration Building on Alondra Boulevard).
- Step 2:** Complete the College's assessment test process at the Cerritos College Assessment Center. Test schedules are available in the Counseling Department. If assessment test requirements have already been met by equivalent measures, the applicant should see a counselor for options.
- Step 3:** After College assessment tests have been completed make an appointment with a counselor by calling (562) 860-2451, Ext. 2231; specify that this is for completion of a nursing application. If transcripts have not been submitted prior to appointment, copies of transcripts may be hand-carried to the appointment.

SELECTION PROCEDURES AND STANDARDS

1. Applications must be submitted no later than March 15.
2. The applicant must submit to the Health Occupations Division Office the following items prior to March 15:
 - a. A completed application signed by the applicant and a Cerritos College counselor.
 - b. Verification of high school graduation or GED completion.
 - c. Official College transcripts (unofficial Cerritos College transcripts will be accepted).
 - d. College assessment test results or indication by counselor that this requirement has been met through equivalent courses or activities.
 - e. Any additional items required for specific option (see below).
3. LVN applicants and transfer students seeking entry at NRSRG 220, or above, will be scheduled for a medication calculation examination. Information regarding this examination will be provided in writing.
4. Applicants who met the minimum admission requirements are assigned a number for admission by a randomized computer selection process.
5. Students placed in the top 100 spots will be required to pass a diagnostic assessment test (basic math, English, reading, and science) prior to admission to the program. Students who fail to achieve a passing score will be required to complete additional pre-nursing course work to become eligible for admission.
6. Notification of admission to the program will be done in writing.
7. Admitted students and alternates will be required to attend a mandatory orientation meeting. During the orientation, information will be given regarding textbooks, uniforms, registration procedures, and other relevant matters.
8. Student Rights: The nursing student has certain rights in addition to those reflected in the College Student Handbook. These include:
 - a. The right to contact professional nursing boards regarding concerns about the educational program.
 - b. The right to know of the existence of a policy giving credit for.

LENGTH OF PROGRAM AND ANTICIPATED EXPENSES

The core nursing program consists of sequenced courses over a four semester period. Prerequisite courses are completed prior to these four semesters. In addition, General Education courses are required for completion of the Associate in Arts Degree in Nursing (Associate Degree in Nursing — ADN). Some students may need to take additional courses to meet English, reading and mathematics requirements. Each unit costs \$46 for California residents, and \$254 for non-residents of California or international students. A Student Activity Fee (\$10) and Student Health Services Fee (\$16) are assessed each semester. During the four core semesters, lab material fees total approximately \$175 textbooks approximately \$2300 and additional supplies and uniforms approximately \$350. Fees are subject to change. Students are responsible for their own living arrangements, uniform laundry and transportation to clinical agencies.

ATTENDANCE

All students are expected to observe the attendance requirements of the Nursing Program as stated in the Nursing Program Student Handbook.

PROMOTION/PROGRESSION

In order to remain enrolled in and complete the program, the student must maintain a "C" grade or higher in all nursing courses and those General Education courses specified by the California Board of Registered Nursing for completion of the nursing program. These courses include: PHIL 104, PSYC 251, and SPCH 100, SPCH 120, SPCH 130, SPCH 132, or SPCH 150. In combined nursing lecture/lab courses, the student must receive a minimum of "C" in lecture and a satisfactory grade in lab in order to successfully complete the course. Upon successful completion of all nursing program requirements, the nursing graduate may receive and wear the nursing pin which is given at a pinning ceremony. The cost of the pin is the responsibility of the student.

CRIMINAL BACKGROUND CHECK

Clinical placements are a mandatory component of the curriculum and require clearance of a criminal background check and drug screen. Students who do not clear agency requirements are not eligible for clinical placement and will, consequently, be ineligible to continue in the program. If there is any concern regarding clearance of a criminal background check or drug screen, please contact the Health Occupations Division for additional information.

REGISTERED NURSE LICENSE APPLICATION

At the completion of the fourth semester of the Nursing Program, the nursing student files an application for licensure (NCLEX-RN) with the Board of Registered Nursing. The application and examination registration fee is \$150. In addition, the student may apply for an interim permit for \$50. These fees are subject to change by the Board of Registered Nursing.

As stated in the Board of Registered Nursing's application for licensure: Applicants are required under law to report all misdemeanor and felony convictions. "Driving under the influence" convictions must be reported. Convictions must be reported even if they have been expunged under Penal Code 1203.4 or even if court

ordered diversion program has been completed under the Penal Code or under Article 5 of the Vehicle Code. Also, all disciplinary action against an applicant's registered nurse, practical nurse, vocational nurse, or other professional license must be reported. Failure to report prior convictions or disciplinary action is considered falsification of application and is grounds for denial of licensure or revocation of license. To make a determination [regarding eligibility for licensure] the Board considers the nature and severity of the offense, additional subsequent acts, regency of acts or crimes, compliance with court sanctions, and evidence of rehabilitation.

NURSING PROGRAM OPTIONS

There are six enrollment options in the Nursing Program:

- A. Associate in Arts Degree (also referred to as the "generic" option or Associate Degree in Nursing)
- B. LPT-ADN (Licensed Psychiatric Technician to Associate Degree in Nursing)
- C. LVN-ADN (Licensed Vocational Nurse to Associate Degree in Nursing)
- D. LVN-30 Unit Option (LVN + 30 units qualifying for NCLEX-RN, non-Degree)
- E. Transfer and Challenge
- F. Board of Registered Nursing Referral

For Options A, B, C, and E – To graduate with an Associate in Arts Degree in Nursing, the student is required to complete, in addition to the nursing core courses and nursing-related courses, the following General Education courses: PSYC 251, PHIL 104, and SPCH 100, SPCH 120, SPCH 130, SPCH 132, or SPCH 150 and one (1) 3-unit course from U.S. History or American Government (U.S. History or American Government courses chosen from Plan A, Sections B1 or B2) as listed in the College's General Education Requirements found in the College General Catalog and Schedule of Classes. Option A students desiring to matriculate to the CSU or UC system should also take PSYC 101 and SOC 101 or ANTH 100. For additional information, please refer to CSU or UC requirements.

AUTOMOTIVE COLLISION REPAIR

CAREER OPPORTUNITIES:

Automotive Collision Repair Technician
 Body and Frame Repair Technician
 Assistant Body and Frame Repair Technician
 Shop Foreman

GENERAL AUTOMOTIVE COLLISION REPAIR

CERTIFICATE OF ACHIEVEMENT

		UNITS
AB 51	Non-Structural Repair	4.5
AB 52	Structural Damage Repair	4.5
AB 53	Steering, Suspension Power Train Damage	4.5
AB 54	Advanced-Design Panel Repair	4.5
AB 55	Structural Panel Replacement	4.5
AB 61	Preparation and Spot Refinishing	3.0
AB 61L	Automotive Refinishing Lab	1.5
TOTAL CERTIFICATE REQUIREMENT		27

ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Meet the requirements for your chosen Certificate (listed above) plus complete such electives and General Education Plan A, B or C requirements to achieve a minimum of 60 units. A minimum of 10 units of non-duplicated courses from the listed certificates and/or from below can be part of your electives.

RECOMMENDED ELECTIVES: AB 56, AB 57, AB 58L, AB 59M, AB 59B, AB 62, AB 63, AB 65, AB 66, AB 68L, AB 73, AB 75, AB 76, AB 77, AB 79L, AB 80, AB 83A, AB 83P, AB 83U, AB 86, AB 88, AB 181, AB 182, AB 183, AB 188, AB 281, AB 282, AB 283, AB 285, AB 286, AB 287, AB 288.

AUTOMOTIVE MECHANICAL REPAIR TECHNOLOGY

CAREER OPPORTUNITIES:

General Auto Mechanic
 Parts Clerk
 Mechanical and Auto Agencies or Commercial Fleets

CERTIFICATES OF ACHIEVEMENT

GENERAL TECHNICIAN

		UNITS
AUTO 100	Automotive Maintenance and Operation	4
AUTO 110	Automotive Engines	5
AUTO 120	Automatic Transmissions and Transaxles	5
AUTO 130	Manual Drivetrain and Axles	5
AUTO 140	Automotive Steering and Suspension	5
AUTO 150	Automotive Brakes	5
AUTO 160	Automotive Electricity	5
		—
		34

AUTOMOTIVE

AUTOMOTIVE MECHANICAL REPAIR INSTALLER

VERIFICATION OF COMPLETION

AUTO 1	Engine Maintenance	0.5
AUTO 2	Fuel Systems	0.5
AUTO 3	Lubrication and Cooling	0.5
AUTO 4	Electrical Systems	0.5
AUTO 5	Brakes and Suspension	0.5
AUTO 6	Transmission and Drive Train	0.5
AUTO 7	Air Conditioning and Heating	0.5
		—
		3.5

ENGINEERING DESIGN TECHNOLOGY

CAREER OPPORTUNITIES:

Designer
Master Layout Person
Systems Designers
Tool Designer
CAD/CAM Designers

ENGINEERING DESIGN TECHNOLOGY

CERTIFICATE OF ACHIEVEMENT

Recommended High School Preparation:
One year Algebra, one year of Mechanical Drafting

REQUIRED COURSES

		UNITS
ENGT 103	Introduction to Engineering Design Using Inventor	3
ENGT 116	Blueprint Reading for Machine Trades	2
ENGT 117	Geometrical Dimensioning and Tolerancing	2
ENGT 131	Design Fundamentals Including AutoCAD	3
ENGT 133	Sheet Metal Layout and Applications with Inventor	2
ENGT 138	AutoCAD	4
ENGT 153	Machine Design with AutoCAD	3
ENGT 237	Graphical Statics and Strength of Materials	3
PMT 100	Plastics Technology	2.5
		—
TOTAL CERTIFICATE REQUIREMENTS		24.5

ENGINEERING DESIGN AND PRODUCTION TECHNOLOGY OPTION

Above courses required plus

ENGT 258	Design and Production Technology with AutoCAD	4
ENGT 265	CATIA I	4
	and ENGT 266 CATIA II	4
	or ENGT 259 SolidWorks	(4)
	and ENGT 260 Advanced Modeling Using SolidWorks	(4)
or ENGT 257	Autodesk Inventor	(4)
and PMT 72	Tooling for Plastics	(4)
		—
TOTAL CERTIFICATE REQUIREMENTS		36.5 (35)

ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Meet the above requirements as listed for the Certificate of Achievement in Engineering Design and Production. A student must also complete electives and A.A. Degree General Education requirements to achieve a minimum of 60 units.

RECOMMENDED ELECTIVES: MFGT 51, MFGT 100, MTT 100, BA 117, MATH 60.

RELATED TRANSFER PRO GRAMS: Industrial (Engineering) Technology—Manufacturing Option.

See Cerritos College Graduation Requirements.

COURSE MODIFICATION

PHIL 109
PHILOSOPHY OF THE BODY,
FEMINISM, AND GENDER

3.0 UNITS

Class hours: 3.0 Lecture

Prerequisite: Completion of the English placement process with eligibility for ENGL 100 or completion of ENGL 52 or equivalent with a grade of Pass or "C" or higher.

This course will examine philosophical scholarship on feminism, gender, and theory of the body in the areas of metaphysics, epistemology, ethics, and aesthetics. Questions about gender identity, the nature of the self and personal identity, friendship, the feminist conception of knowledge, feminism and philosophy of language, philosophy of religion, philosophy of science; misogynist patterns in philosophical texts, male responses to feminism, moral theories, and feminist questions about beauty and art will be examined in the course, while students are also engaged in understanding the fundamentals of philosophy. This course is not open to students who are enrolled in WS 109 or have received credit in WS 109.

Transfer Credit: CSU;UC

