

## MICROCOMPUTER TECHNICIAN

**Certificate of Achievement**  
Major Units: 42

A Certificate of Achievement in Microcomputer Technician may be earned by completing 42 units of Required Courses listed under for the Associate degree in Microcomputer Technician with a "C" or better in each course.

This Certificate is designed for students who wish to train for employment as a microcomputer technician but do not wish to transfer to a four year university.

## MOTORCYCLE REPAIR MECHANICS

Department: **Transportation**  
Department Chair: **Mr. Jess Guerra, Room F-114A**  
(213) 763-3919, GuerraJ@lattc.edu

Award Title	Award Type	Grad. Plan	Required Course Units	Major Elective Units	Total Major Units
Motorcycle Repair Mechanics: Adjunct	C		16	7	23

### PROGRAM OVERVIEW

The Los Angeles basin is the leader in off road motorcycle racing. The Certificate of Achievement in Motorcycle Repair is designed for both new students as well as industry professionals who want to upgrade their skills and show validation of technology training.

Courses leading to the Certificate are offered during evenings and on weekends. Upon completion of the program, students will have the skills necessary to maintain, repair, and diagnose electrical and fuel induction systems, and will be proficient in tune-up overhaul procedures and basic shop practices.

### PROGRAM LEARNING OUTCOMES (PLOs)

- Upon completion of the Certificate program, students are able to:
- Diagnose and repair issues related to various models of motorcycles.
  - Maintain, repair, and diagnose electrical and fuel induction systems
  - Demonstrate proficiency in tune-up overhaul procedures.
  - Exemplify basic shop practices.

## MOTORCYCLE REPAIR MECHANICS: ADJUNCT

**Certificate of Achievement**  
Major Units: 23

A Certificate of Achievement in Motorcycle Repair Mechanics: Adjunct may be earned by completing 16 units of Required Courses and 7 units of Major Electives with a "C" or better in each course.

### REQUIRED COURSES

		UNITS
MCYCMEK 210	Internal Combustion Engine Theory	4
MCYCMEK 212	Motorcycle Service and Tune-up Theory and Repair	4
MCYCMEK 214	Multi-cylinder Electrical Principles and Repair	4
MCYCMEK 216	Multi-cylinder Diagnosis and Overhaul	4

### MAJOR ELECTIVES

Select at least 7 units from the courses below		UNITS
AUTORTK 122	Electric Systems, Principles, and Repair	3
AUTORTK 123	Fuel & Emissions Systems Theory, Inspection & Repair	3
AUTORTK 135	Computer Control and Fuel Injection	3

NOTE: Students are required to provide basic hand tools, Transportation Technology uniform and personal safety equipment.

## NURSING, REGISTERED

Department: **Allied Health**  
Department Chair: **Dr. Rita Weingourt, Room MH-165A**  
(213) 763-7182, WeingoRL@lattc.edu

Award Title	Award Type	Grad. Plan	Required Course Units	Major Elective Units	Total Major Units
Nursing, Registered	A.S.	Plan B	41	-	41
Nursing, Registered: LVN to RN Career Ladder	A.S.	Plan B	33	-	33
Nursing, Registered 30-Unit Option			30	-	30

At least 60 units (total major units and Plan B units) are required to earn an Associate degree.

### PROGRAM OVERVIEW

The Registered Nursing (RN) Program at LATTC combines nursing and general education courses with selected laboratory experiences during which students provide nursing care to clients in hospitals and other health care facilities. Nursing courses include medical-surgical nursing, geriatric nursing, maternal child health nursing, pediatric nursing, psychiatric nursing, pharmacology, and nursing management and leadership/preceptorship. The program is designed to

be completed within four semesters after admission for non-licensed candidates and within three semesters for candidates who have a valid California Licensed Vocational Nurses (LVN) license.

Applicants must meet health as well as other requirements mandated by the program and affiliating hospitals/clinic prior to entry. Candidates are admitted to the program in the Fall and Spring semesters. Candidates must enter the program with a minimum overall 2.5 grade point average in prerequisites and a 2.5 grade point average in the science prerequisites. A candidate may file an application only after all prerequisites have been completed. At that time the student will be eligible to take the nursing entrance examination called TEAS (Test of Essential Academic Skills). If the student achieves a passing score on the TEAS, he or she will be placed on the waiting list. If a student does not achieve a passing score on the TEAS, he or she will be provided with remediation opportunities and permitted to retake the exam. Students may retake the entrance exam once. Program flyers with prerequisites and admission information may be obtained from the Counseling Office or the Department of Allied Health.

Nursing is a field that is in high demand and is one that is personally rewarding and constantly stimulating. Well paying jobs for nurses are available in almost every city in America. More importantly, nurses have the opportunity to improve and even save lives; teach people how to achieve better health; and advocate for patients/clients and their families. Please visit the Department of Allied Health to learn more about this exciting field.

The Registered Nursing Program is approved by the California Board of Registered Nursing (BRN). Upon completion of the program, graduates are eligible to apply for the State Board of Registered Nursing Licensing Examination (NCLEX). Student graduates will be able to:

1. Use nursing process to assess, diagnose, plan, implement, and evaluate care for clients of all ages who are experiencing acute or chronic health problems.
2. Collaborate with other health care personnel to provide coordinated care for clients of all ages who are experiencing acute or chronic health problems.
3. Function within the scope of the California Nurse Practice Act.
4. Demonstrate commitment to the profession of nursing.

### PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the Degree program, students are able to:

- Utilize nursing process and Maslow's Hierarchy of Needs to provide nursing care to clients along the health-illness curriculum across the life span.
- Demonstrate ability to apply theoretical knowledge and clinical skills to practice as an entry level registered nurse.

## NURSING, REGISTERED

### Associate in Science Degree

Major Units: 41

Requirements for the Associate in Science degree in Registered Nursing may be met by completing 41 units of Required Courses with a "C" or better along with general education courses meeting Plan B graduation requirements. Information on the Plan B requirements may be found in the catalog under Graduation/Transfer Requirements.

### PREREQUISITE COURSES

A GPA of 2.5 or better must be earned in all prerequisite courses. A GPA of 2.5 or better must be earned in Biology and Microbiology. High school diploma, GED, U.S. university degree or A.S./A.A. degree is required. Foreign education may be considered after transcript evaluation.

Requirements for the Associate in Science degree in Registered Nursing may be met by completing the Required Courses below and 18 units of general education courses to meet the Plan B graduation requirement.

		UNITS
BIOLOGY 20	Anatomy and Physiology	8
MICRO 1	Introductory Microbiology	5
	-or- MICRO 20 General Micro Biology (4)	
PSYCH 1	General Psychology I	3
PSYCH 41	Life Span Psychology: Infancy to Old Age	3
ENGLISH 101	College Reading and Composition I	3
TEAS 5.0 EXAM	(passing grade 62%)	

### REQUIRED COURSES

Nursing courses must be taken in sequence and completed with a grade of "C" or better.

SEMESTER I			UNITS
RN 121	Introduction to Nursing (First 8 weeks)		3
RN 123	Nursing Process (First 8 weeks)		1
RN 122	Fundamentals of Nursing (Second 8 weeks)		3
RN 124	Nursing Communication (Second 8 weeks)		1
RN 125	Nursing Pharmacology		2
RN 134	Basic Skills Enhancement Lab		1

SEMESTER II			UNITS
RN 126	Medical-Surgical Nursing I (8 weeks)		5
RN 129	Gerontology and Community Based Nursing (8 weeks)		2
RN 130	Psychiatric Mental Health Nursing (8 weeks)		3
RN 134	Basic Skills Enhancement Lab		1

SEMESTER III			UNITS
RN 127	Medical-Surgical Nursing II (8 weeks)		5
RN 131	Reproductive and Women's Health (8 weeks)		3.5
RN 134	Basic Skills Enhancement Lab		1

SEMESTER IV			UNITS
RN 128	Medical-Surgical Nursing III (First 8 weeks)		3
RN 132	Nursing Care of Child and Family (First 8 weeks)		3.5
RN 133	Nursing Leadership and Management (2nd 8 weeks)		3
	(Includes 135 hr. Preceptorship)		

**NURSING, REGISTERED: LVN TO RN CAREER LADDER**

**Associate in Science Degree**  
Major Units: 33

PREREQUISITES	UNITS
Current valid California LVN license, plus the following:	
BIOLOGY 20 Anatomy and Physiology	8
MICRO 1 Introductory Microbiology	5
-or- MICRO 20 General Micro Biology (4)	
PSYCH 1 General Psychology I	3
PSYCH 41 Life Span Psychology: Infancy to Old Age	3
ENGLISH 101 College Reading and Composition I	3
TEAS 5.0 EXAM (passing grade 62%)	
RN 135 Transition from LVN to RN	2
(Must be taken after all other prerequisites have been completed)	

**REQUIRED COURSES**

SEMESTER II	UNITS
RN 126 Medical-Surgical Nursing I	5
RN 129 Gerontology and Community Based Nursing	2
RN 130 Psychiatric Mental Health Nursing	3
RN 134 Basic Skills Enhancement Lab	1
SEMESTER III	UNITS
RN 127 Medical-Surgical Nursing II	5
RN 131 Reproductive and Women's Health Nursing	3.5
RN 134 Basic Skills Enhancement Lab	1
SEMESTER IV	UNITS
RN 128 Medical-Surgical Nursing III	3
RN 132 Nursing Care of Child and Family	3.5
RN 133 Nursing Leadership and Management	3

**LVN TO RN 30-UNIT OPTION**

Major Units: 30

This is an option mandated by the Board of Registered Nursing for Licensed Vocational Nurses. Candidates selecting this option are not eligible for an Associate Degree in Nursing from LATTTC Registered Nursing Program.

**NOTE:** This educational option may not be recognized in states outside of California. Check with an individual state BRN for more information.

**PREREQUISITES**

A grade of "C" or better must be obtained in all courses. High school graduate or GED, U.S. university degree or A.S./A.A. degree is required.

	UNITS
MICRO 20 General Microbiology	4
BIOLOGY 20 Anatomy and Physiology	8
TEAS 5.0 EXAM (passing grade 62%)	
RN 135 Transition from LVN to R.N.	2
(Must be taken after all other prerequisites have been completed)	

**REQUIRED COURSES**

SEMESTER II	UNITS
RN 129 Gerontology and Community Based Nursing	2
RN 130 Psychiatric Mental Health Nursing	3
RN 134 Basic Skills Enhancement Lab	1
SEMESTER III	UNITS
RN 127 Medical-Surgical Nursing II	5
RN 134 Basic Skills Enhancement Lab	1
SEMESTER IV	UNITS
RN 128 Medical-Surgical Nursing III	3
RN 133 Nursing Leadership and Management (Preceptorship)	3

**NOTE:** Nursing courses must be taken in sequence and completed with a grade of "C" or better.

**OPERATION AND MAINTENANCE ENGINEERING: STEAM PLANT**

Department: Construction, Design, and Manufacturing  
Department Chair: Mr. William (Bill) Elarton, ROOM SQ-122  
(213) 763-3700, cdm@lattc.edu

Award Title	Award Type	Grad. Plan	Required Course Units	Major Elective Units	Total Major Units
Operation & Maintenance Engineering: Steam Plant	C		12	24	36
For additional related degrees and certificates, refer to programs under Refrigeration and Air Conditioning Mechanics.					

**PROGRAM OVERVIEW**

Most craft workers specialize in one kind of work, such as plumbing or carpentry. General maintenance and repair workers, however, have skills in many different crafts. They repair and maintain machines, mechanical equipment, and buildings and work on plumbing, electrical, and air-conditioning and heating systems. They build partitions, make plaster or drywall repairs, and fix or paint roofs, windows, doors, floors, woodwork, and other parts of building structures. They also maintain and repair specialized equipment and machinery found in cafeterias, laundries, hospitals, stores, offices, and factories.

A general maintenance worker's typical duties include troubleshooting and fixing faulty electrical switches, repairing air-conditioning motors, and unclogging drains. In addition, newer buildings sometimes have computer-controlled systems that allow maintenance workers to make adjustments in