
Programs of Study

AA = Associate in Arts Degree and AS= Associate in Science Degree (4 semesters, 60+ units)

AD-T = Associate Degree for Transfer (California State University system, 60 units)

C = Certificate of Achievement and LC = Local Certificate (1-3 semesters, short-term training)

The 2020-2021 course catalog requires a revision and addition. The following programs should be added or revised:

Manufacturing Automation.	AS
Nursing.	AS

Manufacturing Automation

Manufacturing Automation AS

The West Hills College Lemoore Manufacturing Automation Degree program is modeled after local industry competency standards. This program includes study in the following areas: electrical theory and components, soldering, wiring diagrams, safety, programmable logic controllers, instrumentation, temperature, pressure, level detectors, computer integrated manufacturing motor theory and wiring, and mechanical systems. This program prepares students for careers in manufacturing automation, intermediate-level positions in petroleum/energy, manufacturing, instrumentation/process control, logistics and distribution, ancillary services, food and materials processing, and industrial maintenance. Students will be prepared for entry level positions in Industrial Automation Specialist, Industrial Technician, and Industrial Electrical Technician.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate proficiency of safety principles in manufacturing automation required for industrial employment.
- demonstrate troubleshooting and problem solving skills used in automated industrial manufacturing related fields.
- demonstrate an understanding of instrumentation and mechanical systems.
- demonstrate safe operation of motors and process control technology that is required for industrial manufacturing.
- demonstrate an understanding of automated industrial manufacturing and electronics that is required for transfer to a four year university degree program and certification.

Course #	Title	Units
Required Core Courses		
ELET-001.....	Basic Electronics.....	3
ELET-002.....	Electronic Circuits.....	4
ELET-003.....	Programming Logic Controllers.....	3
ELET-004.....	Computer Integrated Manufacturing.....	3
ELET-005.....	Instrumentation and Process Control.....	3
ELET-006.....	Electric Motor and Controls.....	4
ELET-007.....	Advanced Programmable Logic Controllers.....	3
ITEC 002.....	Introduction to Drafting and CAD	3
ITEC-008.....	Mechanical Systems.....	3
ITEC-015X.....	Occupational Work Experience Education.....	1
Total		30

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ELET- 001.....	3	ELET-002.....	4	ELET-005.....	3	ELET-004.....	3
ELET- 003.....	3	ELET-006.....	4	ITEC-015X.....	1	ITEC-002.....	3
ITEC 008.....	3	ELET-007.....	3	CHEM-001A.....	5	ITEC-015X.....	2
ENGL 001A.....	3	ITEC-015X.....	1	PHIL-001.....	3	POLSCI-001.....	3
MATH 025.....	4	HE-035.....	3	PSYCH-001.....	3	HIST-017A.....	3 OR
	16		15		15	HIST-017B.....	3
							14

Nursing

Nursing AS

The West Hills College Lemoore Associate Degree Nursing Program endorses the mission of West Hills College Lemoore (WHCL) which is: to serve “a diverse community of students who seek an affordable, accessible, relevant, and rigorous education. The college community is dedicated to student learning and achievement by providing quality courses that lead to certificates, associate degrees, transfer, and career pathways.”(West Hills College Lemoore 2018-2019 Catalog, p.7).

The West Hills College Lemoore Associate Degree Nursing Program adheres to this mission when offering the Associate Degree in Nursing. The mission of the nursing program is to provide an innovative, student-centered educational program that prepares diverse students as candidates to become Registered Nurses to provide safe, quality, evidence-based nursing care in the current healthcare environment. Upon completion of the program, the graduate is qualified to take the NCLEX-RN examination.

West Hills College Lemoore Nursing students will embody the Integrating Concepts of the National League for Nursing (NLN) and develop the ability to move with grace through the many realms of nursing. The students will master varied areas of knowledge and science. They will be prepared to operate in complex environments while meeting the highest standards of quality and safety. Students will be able to work comfortably in inter-disciplinary healthcare teams. With an awareness of their own personal and professional growing edge and learning needs, they will be able to build the relationships by which they touch and respond to those in need in the communities they serve.

Program Prerequisites

The Associate Degree Nursing Program is a 4 semester/two year program that includes didactic and intensive clinical placements with industry partners in our community. Students graduate with their associate degree in nursing. Completion of the program enables the student to take the California State Board Registered Nursing Exam (NCLEX) to obtain their RN license. An RN licensure with an associate degree in nursing allows the successful student to obtain employment in a variety of areas within the health care community. The Associate degree RN has the ability to advance their degree; BSN, MSN or Doctorate level while continuing employment as an RN and expand their nursing practice, employment and income earning potential.

Prerequisite Knowledge and Skill includes:

- BIO032 (Human Anatomy)
- BIO035 (Human Physiology)
- BIO038 (Microbiology)
- ENG001A (Composition & Reading)

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- Prioritize safe, quality nursing care incorporating application of the nursing process to diverse patients across the lifespan in a variety of health care settings.
 - Exercise nursing judgment through application of critical thinking, clinical reasoning, and evidence-based practice to promote the health of patients in a family and community context.
 - Participate in quality improvement processes to improve patient care outcomes.
 - Initiate communication and interdisciplinary collaboration with members of the healthcare team, patient and the patient's support system to facilitate improved patient outcomes.
 - Utilize the appropriate information management systems and patient care technology to communicate within an interdisciplinary team, manage knowledge, mitigate error and support decision making in the clinical environment.
 - Analyze professional identity through leadership and a commitment to caring, diversity, ethics, excellence, holism, integrity, and patient-centered care.
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- Create a caring Culture of Health in demonstrating a spirit of inquiry and providing care to sick and well patients of all ages, ethnicities, and cultures in a variety of community settings.

Course #	Title	Units
Required Core Courses		
NURS 016	Nursing and a Culture of Health	1
NURS 017	Culture of Health 1	4
NURS 017L	Culture of Health 1 Immersion	4
NURS 018	Critical Thinking and a Culture of Health	1
NURS 020	Culture of Health 2	2
NURS 021	Culture of Health 3	4
NURS 021L	Culture of Health 3 Immersio	3
NURS 030	Culture of Health 4	3
NURS 030L	Culture of Health 4 Immersion	3
NURS 031	Culture of Health 5	1.5
NURS 031L	Culture of Health 5 Immersion	1.5
NURS 040	Culture of Health 6	2.5
NURS 040L	Culture of Health 6 Immersion	3.5
NURS 041	Transition into Practice in The Community	1.5
NURS 041L	Community Immersion	1
General Education Course Units.....		34-36
Total		72.5-74.5

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SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
NURS 016.....	1	NURS-020.....	2	NURS-030.....	3	NURS-040.....	2.5
NURS-017.....	4	NURS-020L.....	2	NURS-030L.....	3	NURS-040L.....	3.5
NURS-017L.....	4	NURS-021.....	4	NURS-031.....	1.5	NURS-041.....	1.5
NURS-018.....	1	NURS-021L.....	3	NURS-031L.....	1.5	NURS-041L.....	1
10		11		9		8.5	