

HEALTH SCIENCE PROGRAMS OF STUDY

DIVISION OF HEALTH SCIENCES

Coahoma Community College offers Associate of Applied Science degrees in Nursing, Polysomnography, and Respiratory Care. These programs are designed to educate the student to become licensed health care professionals.

These programs are composed of a balance of general academic courses and specialized health care course. Upon successful completion of these programs, the student is awarded an Associate of Applied Science degree. In order to practice in the field, graduates from these programs must pass professional qualifying exams.

The general education core for the Polysomnography Technology and Respiratory Care programs is as follows:

Associate of Applied Science Degree Polysomnography Technology / Respiratory Care GENERAL EDUCATION CORE REQUIREMENTS	
English Composition I	3 credit hours
Humanities (Literature, Art, Music, or History)	3 credit hours**
Public Speaking I	3 credit hours
History/Social Science Elective	3 credit hours*
College Algebra or Higher/Natural Sciences	3 credit hours***
Computer Concepts	3 credit hours
TOTAL:	18 credit hours
<small>* The three (3) credit hours elective in social sciences meets the accreditation requirement for the general core to include at least one course from the social/behavioral sciences. ** The three (3) credit hours in humanities/fine arts meet the accreditation requirement for the general core to include at least one course from the humanities/fine arts. *** The three (3) credit hours of College Algebra meet the accreditation requirement to include at least one course from the natural sciences/mathematics.</small>	

The general education core for the Associate of Applied Science degree in Nursing is as follows:

Associate of Applied Science Degree Nursing GENERAL EDUCATION CORE REQUIREMENTS	
English Composition I	3 credit hours
Art/Music Appreciation	3 credit hours**
General Psychology	3 credit hours*
Human Growth and Development	3 credit hours*
Anatomy and Physiology I and II (lecture and lab)	8 credit hours***
TOTAL:	20 credit hours
<small>* The six (6) credit hours in General Psychology and Human Growth and Development meet the accreditation requirement for the general core to include at least one course from the social sciences. ** The three (3) credit hours of Art or Music Appreciation meet the accreditation requirement for the general core to include at least one course from the humanities/fine arts. *** The eight (8) credit hours of Anatomy and Physiology I and II (lecture and lab) meet the accreditation requirement to include at least one course from the natural sciences/mathematics.</small>	

Associate of Applied Science Degree Paramedic GENERAL EDUCATION CORE REQUIREMENTS	
English Composition I	3 credit hours
Humanities/Fine Arts (Literature, Art, Music)	3 credit hours**
Public Speaking I	3 credit hours
Social/Behavioral Science Elective	3 credit hours*
College Algebra or Higher/Natural Sciences	3 credit hours***
TOTAL:	15 credit hours
<small>* The three (3) credit hours elective in social/behavioral sciences meets the accreditation requirement for the general core to include at least one course from the social/behavioral sciences. ** The three (3) credit hours in humanities/fine arts meet the accreditation requirement for the general core to include at least one course from the humanities/fine arts. *** The three (3) credit hours of College Algebra meet the accreditation requirement to include at least one course from the natural sciences/mathematics. A and P II also satisfies this requirement at 4 credit hours.</small>	

Coahoma Community College offers a one-year certificate program in Practical Nursing. This specialized program is designed to train the student to become a Licensed Practical Nurse.

Coahoma Community College also offers short-term certificate programs in Phlebotomy/EKG, Emergency Medical Technology (EMT) and Nursing Assistant.

For program specific information, refer to the College Admissions section of this Catalog for admission criteria for Health Science programs.

ASSOCIATE DEGREE NURSING (LPN TO ADN TRACK)

Advisors: J. Brown, C. Smith, L. Willingham, K. White, D. Honour

Major Code: ADN

FIRST YEAR

FALL

BIO 2513	Anat and Phys I Lect	3
BIO 2511	Anat and Phys I Lab	1
ENG 1113	English Composition I	3
PSY1513	General Psychology	3
BIO 1613	Nutrition	3
EPY 2533	Hum Growth and Dev	3

16

SPRING

BIO 2523	Anatomy & Physiology II Lecture	3
BIO2521	Anatomy & Physiology II Lab	1
BIO 2923	Microbiology Lecture	3
BIO 2921	Microbiology Lab	1
MAT 1313	College Algebra	3
MUS 1113 or ART 1113	Music or Art Appreciation	3

14

THIRD SEMESTER

NUR 2013 Nursing Transition (Summer Session I) **3**
 Students will be officially admitted to the Associate Degree Nursing program upon successful completion of NUR 2013.

17

SECOND YEAR

FALL

NUR 2124	Mental Health Nursing	4
NUR 2128	Maternal Child Nursing	8

12

SPRING

NUR 2227	Medical Surgical Nursing	7
NUR 2223	Management of Client Care	3
NUR 2232	NCLEX Review	2

12

Student will receive 14 credit hours of transcript credit upon successful completion of second year of the Associate Degree Nursing Program based on the Advanced Placement Policy for Licensed Practical Nurses. **14**

ADVANCED PLACEMENT POLICY FOR LICENSED PRACTICAL NURSES

Licensed Practical Nurses (LPN) who meet specific admission requirements may be eligible for admission to the Associate Degree Nursing program. An LPN admitted must enroll in NUR 2013 Nursing Transition (3 credit hours) during Summer Session I. Upon successful completion of NUR 2013 Nursing Transition, student is awarded advanced placement to the second year of the Associate Degree Nursing program. This student is also eligible to receive 14 hours of transcript credit based on possession of an unencumbered practical nursing license at the time of admission to the program, therefore providing the LPN to RN student with the equivalent number of credit hours required in the Associate Degree Nursing program. The 14 hours of transcript credit is only awarded upon the successful completion of the second year of the Associate Degree Nursing program.

PARAMEDIC

(Associate Degree)

Advisors: R. Nelson

Major Code: EMS

This program combines general education as well technical and clinical training in Paramedicine to prepare the successful graduate to work as a Paramedic, by; performing emergent, pre-hospital, advanced life support care on scene and en route to a hospital.

Program Pre-requisites (4 credit hours):

BIO 2511/2513 Anatomy and Physiology I Lab/Lecture (4 credit hours)

Be a nationally registered emergency medical technician (NREMT)

Program Co-requisites (4 credit hours):

BIO 2523/2521 Anatomy and Physiology II Lab/Lecture (4 credits hours) - **Must be taken prior to entering sophomore fall semester. Added May 2019**

FRESHMAN YEAR

FALL

EMS 1133	Foundations of Paramedicine	3
EMS 1213	Concepts of Airway/Respiratory Medicine	3
EMS 1713	Concepts of Neurological Medicine	3
EMS 1514	Practicum I	4
EMS 2715	Concepts of Traumatic Medicine	5

18

SPRING

EMS 1325	Concepts of Cardiovascular Medicine	5
EMS 1913	Concepts of Reproductive Medicine	3
EMS 1525	Practicum II	5
EMS 2314	Medical Emergencies/ Secondary Assessment	4

17

SOPHOMORE YEAR

FALL

EMS 2566	Practicum III	6
EMS 2934	Practicum Capstone	4
EMS 2912	Concepts of EMS Operations	2

12

SPRING

ART 1113/ MUS 1113		3
	Art or Music Appreciation	
PSY 1513/ SOC 2113		3
	General Psychology or Intro to Sociology I	
SPT 1113	Public Speaking	3
	Math or Science Elective*	4
	Written Communication	3

***Anatomy & Physiology I (Bio 2513) can be used as the Math/Science elective. Total program hours 67 hrs. or 71 hours if A&P I (Bio 2513) is not used as Math/Science elective.**

PARAMEDIC

Technical Certificate)

Advisors: R. Nelson

Major Code: EMC

This program combines general education as well technical and clinical training in Paramedicine to prepare the successful graduate to work as a Paramedic, by; performing emergent, pre-hospital, advanced life support care on scene and en route to a hospital.

Program Pre-requisites (4 credit hours):

BIO 2511/2513 Anatomy and Physiology I Lab/Lecture (4 credit hours)

Be a nationally registered emergency medical technician (NREMT)

Program Co-requisites (4 credit hours):

BIO 2523/2521 Anatomy and Physiology II Lab/Lecture (4 credits hours)- **Must be taken prior to entering sophomore fall semester. Added May 2019**

FRESHMAN YEAR

FALL

EMS 1133	Foundations of Paramedicine	3
EMS 1213	Concepts of Airway/Respiratory Medicine	3
EMS 1713	Concepts of Neurological Medicine	3
EMS 1514	Practicum I	4
EMS 2715	Concepts of Traumatic Medicine	5
		18

SPRING

EMS 1325	Concepts of Cardiovascular Medicine	5
EMS 1913	Concepts of Reproductive Medicine	3
EMS 1525	Practicum II	5
EMS 2314	Medical Emergencies/ Secondary Assessment	4
		17

SOPHOMORE YEAR

FALL

EMS 2566	Practicum III	6
EMS 2934	Practicum Capstone	4
EMS 2912	Concepts of EMS Operations	2
		12

Total program hours for the Technical Certificate 55 hrs.

POLYSOMNOGRAPHY TECHNOLOGY

(Associate Degree)

FALL Admission (2022, 2024)

Advisor: K. Davis, R.W. Seymore

Major Code: PSG

Prerequisites: (must be completed prior to admission to the Polysomnography Technology Program)

BIO 2513 Anatomy & Physiology I
 BIO 2511 Anatomy & Physiology Lab I
 BIO 2523 Anatomy & Physiology II
 BIO 2521 Anatomy & Physiology Lab II

FRESHMAN YEAR

FALL			SPRING		
PSG 1116	Introduction of Polysom	6	PSG 2214	PSG Scoring & Analysis	4
PSG 1113	Polysom Pathophysiology	3	PSG 2218	Clinical Applications I	<u>8</u>
PSG 1123	Polysom Technology	<u>3</u>			12
		12			

SOPHOMORE YEAR

FALL			SPRING		
PSG 2132	Professional Transition	2		Humanities/Fine Arts Elective**	3
PSG 2227	Clinical Applications II	7		Social/Behavior Science Elective***	3
PSG 2224	PSG Capstone	<u>4</u>		SPT 1113 Oral Communication	3
		13		MAT 1113 College Algebra*	3
				CSC 1113 Computers Concepts	3
				ENG 1113 English Comp I	<u>3</u>
					18

*College Algebra or higher

**Music Appreciation, Art Appreciation, Drawing, Painting

***Sociology, Psychology, Western Civilization

POLYSOMNOGRAPHY TECHNOLOGY

(Technology Certificate)
FALL Admission (2022)

Advisor: K. Davis, R.W. Seymore
Major Code: PSV

Prerequisites: (must be completed prior to admission to the Polysomnography Technology Program)

BIO 2513 Anatomy & Physiology I
BIO 2511 Anatomy & Physiology Lab I
BIO 2523 Anatomy & Physiology II
BIO 2521 Anatomy & Physiology Lab II

FRESHMAN YEAR

FALL

PSG 1116	Introduction of Polysom	6
PSG 1113	Polysom Pathophysiology	3
PSG 1123	Polysom Technology	<u>3</u>
		12

SPRING

PSG 2214	PSG Scoring & Analysis	4
PSG 2218	Clinical Applications I	8
		12

SOPHOMORE YEAR

FALL

PSG 2132	Professional Transition	2
PSG 2227	Clinical Applications II	7
PSG 2224	PSG Capstone	<u>4</u>
		13

POLYSOMNOGRAPHY TECHNOLOGY

(Associate Degree)

SPRING Admission (2021,2024)

Advisor: K. Davis, R.W. Seymore

Major Code: PSG

Prerequisites: (must be completed prior to admission to the Polysomnography Technology Program)

BIO 2513 Anatomy & Physiology I

BIO 2511 Anatomy & Physiology Lab I

BIO 2523 Anatomy & Physiology II

BIO 2521 Anatomy & Physiology Lab II

FRESHMAN YEAR

SPRING

PSG 1116	Introduction of Polysom	6
PSG 1113	Polysom Pathophysiology	3
PSG 1123	Polysom Technology	<u>3</u>
		12

FALL

PSG 2214	PSG Scoring & Analysis	4
PSG 2218	Clinical Applications I	<u>8</u>
		12

SOPHOMORE YEAR

SPRING

PSG 2132	Professional Transition	2
PSG 2227	Clinical Applications II	7
PSG 2224	PSG Capstone	<u>4</u>
		13

FALL

Humanities/Fine Arts Elective**	3
Social/Behavior Science Elective***	3
SPT 1113 Oral Communication	3
MAT 1113 College Algebra*	3
CSC 1113 Intro to Computers	3
ENG 1113 English Comp I	<u>3</u>
	18

*College Algebra or higher

**Music Appreciation, Art Appreciation, Drawing, Painting

***Sociology, Psychology, Western Civilization

POLYSOMNOGRAPHY TECHNOLOGY

(Technology Certificate)

SPRING Admission (2021, 2024)

Advisor: K. Davis, R.W. Seymore

Major Code: PSV

Prerequisites: (must be completed prior to admission to the Polysomnography Technology Program)

BIO 2513 Anatomy & Physiology I

BIO 2511 Anatomy & Physiology Lab I

BIO 2523 Anatomy & Physiology II

BIO 2521 Anatomy & Physiology Lab II

FRESHMAN YEAR

SPRING

PSG 1116	Introduction of Polysom	6
PSG 1113	Polysom Pathophysiology	3
PSG 1123	Polysom Technology	<u>3</u>
		12

FALL

PSG 2214	PSG Scoring & Analysis	4
PSG 2218	Clinical Applications I	<u>8</u>
		12

SOPHOMORE YEAR

SPRING

PSG 2132	Professional Transition	2
PSG 2227	Clinical Applications II	7
PSG 2224	PSG Capstone	<u>4</u>
		13

PRACTICAL NURSING

Advisors: C. Dixon, E. Gordon, A. Hankins

Major Code: PNV

Practical Nursing is a twelve-month certificate program. The Practical Nursing Program prepares students to assist in providing general nursing care under direction of a registered nurse, physician, or dentist. Graduates of the Practical Nursing program will be awarded the Certificate of Practical Nursing and may apply for licensure to the Mississippi Board of Nursing and will be eligible to take the National Council Licensure Examination (NCLEX-PN®)

FRESHMAN YEAR

FALL

PNV 1213 Body Structure/ Functions	3
PNV 1443 Nursing Fundamentals Clinical	13
	16

SPRING

PNV 1682 Adult Health Nursing Concepts and Clinical	12
PNV 1524 IV Therapy & Pharmacology	4
	16

SUMMER

PNV 1728 Specialty Areas in Nursing	8
PNV 1914 Nursing Transition	4
	12

TOTAL PROGRAM 44

RESPIRATORY CARE

Advisors: A. Brooks, W. Lockett, Y. Washington

Major Code: RES

This program of study combines training in the technical and clinical aspects of respiratory and general education courses necessary to provide the student with the knowledge necessary to give direct care to patients with respiratory/cardiac health problems. Upon completion of this program, the student is awarded the Associate of Applied Science degree.

<u>Prerequisites:</u>	Hours:
Human Anatomy and Physiology I Lecture (BIO 2513)	3
Human Anatomy and Physiology I Lab (BIO 2511)	1
Human Anatomy and Physiology II Lecture (BIO 2523)	3
Human Anatomy and Physiology II Lab (BIO 2521)	1
Total	8

FRESHMAN YEAR

FALL			SPRING	
ENG 1113	English Composition I	3	Elective Humanities/Fine Arts *	3
SPT 1113	Public Speaking	3	Math/Natural Science Elective**	3
CSC 1113	Computer Concepts	3	Elective Social/Behavioral Science***	3
RCT 1223	Patient Assess/Planning	3	RCT 2333 Cardiopulmonary Pathology	3
RCT 1214	Respiratory Care Science	4	RCT 1416 Respiratory Care I	6
RCT 1313	Cardiopulmonary A&P	3		
Total		19		18

SUMMER

RCT 1424	Respiratory Care II	4	RCT 2613 Neonatal/Pediatrics	3
RCT 1322	Pulmonary Function Test	2	RCT 1613 Respiratory Pharm	3
Total		6		6

SOPHOMORE YEAR

FALL			SPRING	
RCT 1516	Clinical Practice I	6	RCT 2534 Clinical Practice III	4
RCT 1524	Clinical Practice II	4	RCT 2546 Clinical Practice IV	6
RCT 2434	Respiratory Care III	4	RCT 2713 Respiratory Care Seminar	3
Total		14		13

TOTAL PROGRAM 84 (includes 8 hours of pre-requisites courses)

* Music or Art Appreciation

** College Algebra or higher/Natural Science

*** Intro to Sociology, Psychology, Marriage and Family

HEALTH SCIENCE SHORT-TERM CERTIFICATE PROGRAMS

Students must complete the application process for all Health Science Short-Term Certificate programs **PRIOR** to being admitted to any of the programs below. Students must apply and meet additional requirements in order to be eligible for admission.

ADULT LONG-TERM CARE NURSE AIDE

NAV

Certificate

Advisor: C. Dixon

The Long-Term Care Nurse Aide Program is a short term certificate course that prepares the student to assist in providing care as a member of the health care team in a skilled nursing facility under the direction of health care professionals. Graduates of this 90-clock hour program are eligible for certification as a nurse aide by passing the State Department of Health approved competency examination National Nurse Aide Assessment (NNAAP) which is developed by the National Council of State Boards of Nursing (NCSBN).

CARDIOGRAPHY – BASIC (EKG)

ECV

Certificate

Advisors: A. Brooks

The Electrocardiography Certificate Program is a 10 week short term certificate course designed to prepare the successful graduate for practice in non-invasive cardiography by a combination of didactic (60 clock hours), laboratory (15 clock hours), and clinical practicum (15 clock hours). The graduate will be prepared for and may qualify to challenge the credentialing examinations for the Cardiovascular Credentialing International (CCI).

EMERGENCY MEDICAL TECHNOLOGY – BASIC

EMS

Certificate

Advisors: R. Nelson

Emergency Medical Technology - Basic is a one semester instructional program that prepares individuals to function in the pre-hospital environment. The EMT-Basic program provides instruction in basic life support care of sick and injured persons. This includes airway assessment, communications, documentation, general pharmacology, hemorrhage control, ambulance operations, and splinting of adult, pediatric, and infant patients; and special care of patients exposed to heat, cold, radiation, or contagious disease. It is divided into two classes: EMS 1163 (module I) and EMS 1174 (Module II). Emergency Medical Technicians – Basic are certified by the Mississippi State Department of Health Emergency Medical Services. Students who complete the program are eligible to take the National Registry of Emergency Medical Technicians – Basic Level. (Adapted from the MSRCU)

Course Offered On-Demand

EMS 1163/ EMS 1174

PHLEBOTOMY - BASIC

PEV

Certificate

Advisors: A. Brooks

The Phlebotomy Certificate Program is a one semester short term certificate course designed to prepare the successful graduate to practice as a phlebotomist, by a combination of didactic instruction, laboratory, and clinical practicum. The graduate will be prepared for and may be qualified to challenge the credentialing examinations for The American Society for Clinical Pathology (ASCP).