



HEALTH SCIENCES

For incoming freshmen 2020–2021

OVERVIEW

The Health Science Jump Start 2.0 Pathway prepares students to recognize, assess, diagnose, treat, and manage patient and medical needs in pre-hospital, disaster, hospital, medical office, and/or home health care settings. Students in this pathway study basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; professional standards and regulations. This pathway exposes students to occupations in biotechnology research and development, diagnostic services, health informatics, support services, and therapeutic services in private businesses, industry, community organizations, and health care facilities. This pathway also equips students to have careers in allied health services that are preemptive and centered on wellness.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Emergency Medical Technician	Paramedic	Emergency Medical Doctor
Dental Assistant/Pharmacy Aide	Dental Technician/Pharmacy Technician	Dentist/Clinical Pharmacists
Nurse Assistant	Licensed Practical Nurse	Registered Nurse
Medical Assistant	Medical Records and Health Information Technicians	Medical Doctor

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
	IFSAC Fire Fighter I	IFSAC Fire Fighter II
	Certified Nurse Aide	Certified Clinical Medical Assistant (CCMA)
Certified Coding Associate (CCA®)	Dental Assistant - NOCTI	Emergency Medical Technician (EMT)
Certified EKG Technician	Emergency Medical Responder (EMR)	Expanded Duty Dental Assistant (EDDA)
National Certified Insurance & Coding (NCICS)	Geographic Information System - Entry Level Technician Certification	
Phlebotomy Technician	Patient Care Technician/Assistant	
	Pharmacy Technician Certification (ExCPT)	
	Pharmacist Technician Certification (PTCE)	

*Aligned to pathway.

**K16 PATHWAY
ALIGNMENT**

UNIVERSAL DOCUMENTS
CDF ELIGIBLE COURSES • JUMP START FUNDING • UNIVERSAL COURSE CODES

Course Name	½ Credit Course Code	1 Credit Course Code	2 Credit Course Code	3 Credit Course Code
Advanced CPT Coding		090530		
Advanced Nutrition and Food	100301	100303		
AHEC of a Summer: Career Exploration	090016			
Allied Health Science		155010		
Allied Health Services I		090101	090102	
Allied Health Services II		090104	090105	
Anatomy and Physiology		150306		
Anatomy and Physiology II		150329		
Anatomy: DE - CBIO 2213 Human Anatomy & Physiology I		150330		
Anatomy: DE - CBIO 2214 Human Anatomy & Physiology I (Lec/Lab)		150331		
Anatomy: DE - CBIO 2223 Human Anatomy & Physiology II		150332		
Anatomy: DE - CBIO 2224 Human Anatomy & Physiology II (Lec/Lab)		150333		
Basic Body Structure and Function		155020		
Basic Coding I		090500		
Basic Coding II		090510		
Basic CPT Coding		090520		
Bioengineering and Biomedical Engineering		140501		
Bioinformatics: LSU Partnership		090813		
Biology II		150302		
Biology II: AP Biology		150307		
Biology II: DE - BIOL 2102 General Microbiology		149995		
Biomedical Capstone: LSU Partnership		090812		
Biomedical Innovation		090840		
Business Math		040307		
Chemistry		150401		
Chemistry II: AP Chemistry		150410		
Chemistry II: DE - CCEM 2213 Organic Chemistry I		150505		
Child Development	100602	100604		
Comparative Anatomy & Physiology (LSU Partnership)		312095		
Computer Technology Literacy		040220 OR 061101		
Conservation Biology (LSU Partnership)		312094		
Data Manipulation and Analysis (LSU Partnership)		080532		
Dental Assistant I		090301	090302	
Dental Assistant II			090312	090313
Desktop Publishing		040207 OR 061114		
Digital Media I		080800	080802	080803
Digital Media II		080805	080812	080813
Digital Media III		080831	080832	080833
Digital Media IV		080834	080835	080836
EKG I		090473		
EKG II		090474		
Emergency Medical Technician Basic			090943	090944
Environmental Science		150310		
Environmental Science: AP Environmental Science		150311		
Environmental Science: DE - CEVS 1103 Environmental Science		150914		
Family and Consumer Sciences I		100401		

Course Name	½ Credit Course Code	1 Credit Course Code	2 Credit Course Code	3 Credit Course Code
Food Science		155040		
Forensic Science		155050		
Forensic Science: LSU Partnership		312096		
Genetics: LSU Partnership		312097		
Health Occupations Elective	090000	090099 OR 090001	090118	090119
Health Science I		090611	090612	
Health Science II		090621	090622	
Human Body Systems		090820		
Information Management for Allied Health Professionals		090550		
Introduction to Biomedical Sciences (LSU Partnership)		090811		
Introduction to Emergency Medical Technology		090471	090472	
Introduction to Pharmacy Assistant		090005		
Introductory Anatomy and Physiology Laboratory		150309		
Keyboarding	040225	040229		
Keyboarding Applications	040226			
Medical Assistant I		090251	090252	090254
Medical Assistant II		090451	090452	
Medical Assistant III		090461	090462	
Medical Interventions		090830		
Medical Math (LCTCS Dual Enrollment Option)		165020		
Medical Terminology	090149	090151		
Medical Terminology II		090152		
Nurse Assistant		090236	090237	090238
Nutrition and Food	100300	100302		
Patient Care Technician		090261	090262	090263
Pharmacy Technician		090009	090010	
Phlebotomy		090022		
PLTW Biomedical Innovations			090808	
PLTW Human Body Systems			090819	
PLTW Medical Interventions			090829	
PLTW Principles of Biomedical Science			090809	
Principles of the Biomedical Sciences		090810		
Professional Practice Medical Coding I		090570		
Professional Practice Medical Coding II		090571		
Psychology		222001		
Psychology: AP Psychology		222004		
Psychology: DE CPSY 2013 - Introduction to Psychology		225011		
Sports Medicine I	090720	090723		
Sports Medicine II	090721	090724		
Sports Medicine III		090722		
Survey of Pharmacy: Xavier Partnership		090011		
Veterinary Assistant I		010390		
Veterinary Assistant II		010391		