



# HEALTH SCIENCES

For incoming freshmen beginning 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/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)*
Certified Coding Associate (CCA®)	Certified Nurse Aide	Certified Clinical Medical Assistant (CCMA)
Certified EKG Technician	Dental Assistant - NOCTI	Emergency Medical Technician (EMT)
National Certified Insurance & Coding (NCICS)	Emergency Medical Responder (EMR)	Expanded Duty Dental Assistant (EDDA)
Phlebotomy Technician	IFSAC FireFighter I	IFSAC FireFighter II
	Geographic Information System - Entry Level Technician Certification	
	Patient Care Technician/Assistant	
	Pharmacy Technician Certification (ExCPT)	
	Pharmacist Technician Certification (PTCE)	

\*Aligned to pathway.

## UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090530	1	0.5	Advanced CPT Coding	
100303	1	0.5	ADVANCED NUTRITION AND FOOD (1 CREDIT)	
100301	0.5	0.5	ADVANCED NUTRITION AND FOOD (1/2 CREDIT)	
090016	0.5	0.5	AHEC OF A SUMMER CAREER EXPLORATION (1/2 CREDIT)	Added 2021-2022
155010	1	0.5	ALLIED HEALTH SCIENCE	
090101	1	0.5	ALLIED HEALTH SERVICES I (1 CREDIT)	
090102	2	2	ALLIED HEALTH SERVICES I (2 CREDITS)	
090104	1	0.5	ALLIED HEALTH SERVICES II (1 CREDIT)	
090105	2	2	ALLIED HEALTH SERVICES II (2 CREDITS)	
150306	1	0.5	ANATOMY AND PHYSIOLOGY	
150329	1	0.5	Anatomy and Physiology II	
150330	1	0.5	ANATOMY: DE-CBIO 2213 HUMAN ANATOMY & PHYSIOLOGY I	
150331	1	0.5	ANATOMY: DE-CBIO 2214 HUMAN ANATOMY & PHYSIOLOGY I	
150332	1	0.5	ANATOMY: DE-CBIO 2223 HUMAN ANATOMY & PHYSIOLOGY II	
150333	1	0.5	ANATOMY: DE-CBIO 2224 HUMAN ANATOMY & PHYSIOLOGY II	
222004	1	0.5	AP PSYCHOLOGY	
155020	1	0.5	BASIC BODY STRUCTURE AND FUNCTION	
090500	1	0.5	Basic Coding I	
090510	1	0.5	Basic Coding II	
090520	1	0.5	Basic CPT Coding	
140501	1	0.5	Bioengineering and Biomedical Engineering	
090813	1	0.5	Bioinformatics (LSU Partnership)	
150302	1	0.5	BIOLOGY II	
150307	1	0.5	Biology II: AP Biology	
149995	1	0.5	Biology II: DE - BIOL 2102 General Microbiology	
150323	1	0.5	Biology II: DE - CBIO 1013 General Biology I	Added 2024-2025
150325	1	0.5	Biology II: DE - CBIO 1023 General Biology II	Added 2024-2025
150324	1	0.5	Biology II: DE - CBIO 1033 General Biology I (Sci Majors)	Added 2024-2025
150326	1	0.5	Biology II: DE - CBIO 1043 General Biology II (Sci Majors)	Added 2024-2025
150327	1	0.5	Biology II: Gifted	Added 2024-2025
150303	1	0.5	Biology II: Honors	Added 2024-2025
150305	1	0.5	Biology II: IB Biology I	Added 2024-2025
150308	1	0.5	Biology II: IB Biology II	Added 2024-2025
090812	1	0.5	Biomedical Capstone (LSU Partnership)	
090840	1	0.5	BIOMEDICAL INNOVATION (1 CREDIT)	
040307	1	0.5	Business Math	
150401	1	0.5	CHEMISTRY	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	Added 2024-2025
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024-2025
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024-2025
150412	1	0.5	Chemistry I: Gifted	Added 2024-2025
150400	1	0.5	Chemistry I: Honors	Added 2024-2025
150410	1	0.5	Chemistry II: AP Chemistry	
150505	1	0.5	Chemistry II: DE - CCEM 2213 Organic Chemistry I	
100604	1	1	Child Development (1 Credit)	
100602	0.5	0.5	CHILD DEVELOPMENT (1/2 CREDIT)	
312095	1	0.5	Comparative Anatomy and Physiology (LSU Partnership)	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	
312094	1	0.5	Conservation Biology (LSU Partnership)	
080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090301	1	0.5	DENTAL ASSISTANT I (1 CREDIT)	
090302	2	2	DENTAL ASSISTANT I (2 CREDITS)	
090312	2	2	DENTAL ASSISTANT II (2 CREDITS)	
090313	3	1.5	DENTAL ASSISTANT II (3 CREDITS)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
090473	1	0.5	EKG I	
090474	1	0.5	EKG II	
090943	2	2	EMERGENCY MEDICAL TECHNICIAN BASIC (2 CREDITS)	
090944	3	1.5	EMERGENCY MEDICAL TECHNICIAN- BASIC (3 CREDITS)	
150310	1	0.5	ENVIRONMENTAL SCIENCE	
150311	1	0.5	Environmental Science: AP Environmental Science	
150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
150913	1	0.5	Environmental Science: Gifted	Added 2024-2025
150328	1	0.5	Environmental Science: Honors	Added 2024-2025
100401	1	0.5	FAMILY AND CONSUMER SCIENCES I (1 CREDIT)	
155040	1	0.5	FOOD SCIENCE	
155050	1	0.5	FORENSIC SCIENCE	
312096	1	0.5	Forensic Science (LSU Partnership)	
312097	1	0.5	Genetics (LSU Partnership)	
090099	1	1	HEALTH OCCUPATION ELECTIVE (1 CREDIT)	
090001	1	1	HEALTH OCCUPATION ELECTIVE I (1 CREDIT)	
090000	0.5	0.5	HEALTH OCCUPATION ELECTIVE I (1/2 CREDIT)	
090118	2	2	HEALTH OCCUPATIONS ELECTIVE I (2 CREDITS)	
090119	3	1.5	HEALTH OCCUPATIONS ELECTIVE I (3 CREDITS)	
090611	1	0.5	HEALTH SCIENCE I (1 CREDIT)	
090612	2	2	HEALTH SCIENCE I (2 CREDITS)	
090621	1	0.5	HEALTH SCIENCE II (1 CREDIT)	
090622	2	2	HEALTH SCIENCE II (2 CREDITS)	
150334	1	0.5	Human Anatomy and Physiology	Added 2024-2025
090820	1	0.5	HUMAN BODY SYSTEMS (1 CREDIT)	
090725	3	1	IFSAC Firefighter I	Added 2024-2025
090726	3	1	IFSAC Firefighter II	Added 2024-2025
090727	3	1	IFSAC Firefighter III	Added 2024-2025
090728	3	1	IFSAC Firefighter IV	Added 2024-2025
090550	1	0.5	Information Management for Allied Health Professionals	
090811	1	0.5	Intro to Biomedical Sciences (LSU Partnership)	
090471	1	0.5	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090472	2	2	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (2	
090930	1	0.5	INTRODUCTION TO HEALTH OCCUPATIONS (1 CREDIT)	Remove 2023 - Universal Course List
090005	1	0.5	INTRODUCTION TO PHARMACY ASSISTANT (1 CREDIT)	
150309	1	0.5	Introductory Anatomy and Physiology Laboratory	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
090251	1	0.5	MEDICAL ASSISTANT I (1 CREDIT)	
090252	2	2	MEDICAL ASSISTANT I (2 CREDITS)	
090254	3	1.5	MEDICAL ASSISTANT I (3 CREDITS)	
090451	1	0.5	MEDICAL ASSISTANT II (1 CREDIT)	
090452	2	2	MEDICAL ASSISTANT II (2 CREDITS)	
090461	1	0.5	MEDICAL ASSISTANT III (1 CREDIT)	
090462	2	2	MEDICAL ASSISTANT III (2 CREDITS)	
090830	1	0.5	MEDICAL INTERVENTIONS (1 CREDIT)	
165020	1	0.5	MEDICAL MATH	
090151	1	1	MEDICAL TERMINOLOGY (1 CREDIT)	
090149	0.5	0.5	MEDICAL TERMINOLOGY (1/2 CREDIT)	
090152	1	0.5	Medical Terminology II (1 credit)	
090236	1	0.5	NURSE ASSISTANT (1 CREDIT)	
090237	2	2	NURSE ASSISTANT (2 CREDITS)	
090238	3	1.5	NURSE ASSISTANT (3 CREDITS)	
100302	1	1	NUTRITION AND FOOD (1 CREDIT)	
100300	0.5	0.5	NUTRITION AND FOOD (1/2 CREDIT)	
090261	1	0.5	PATIENT CARE TECHNICIAN (1 CREDIT)	
090262	2	2	PATIENT CARE TECHNICIAN (2 CREDITS)	
090263	3	1.5	PATIENT CARE TECHNICIAN (3 CREDITS)	
090009	1	0.5	PHARMACY TECHNICIAN (1 CREDIT)	
090010	2	2	PHARMACY TECHNICIAN (2 CREDITS)	
090022	1	0.5	Phlebotomy	
90808	1	0.5	PLTW Biomedical Innovations	Added 2023-2024
90819	1	0.5	PLTW Human Body Systems	Added 2023-2024
90829	1	0.5	PLTW Medical Interventions	Added 2023-2024
90809	1	0.5	PLTW Principles of Biomedical Science	Added 2023-2024
80904	3	1	Practical Nursing Pilot I	Added 2024-2025
80905	3	1	Practical Nursing Pilot II	Added 2024-2025
080906	3	1	Practical Nursing Pilot III	Added 2024-2025
090810	1	0.5	PRINCIPLES OF THE BIOMEDICAL SCIENCES (1 CREDIT)	
090570	1	0.5	Professional Practice Medical Coding I	
090571	1	0.5	Professional Practice Medical Coding II	
222001	1	0.5	PSYCHOLOGY	
225011	1	0.5	Psychology: DE CPSY 2013 - Introduction to Psychology	
090723	1	0.5	SPORTS MEDICINE I (1 CREDIT)	
090720	0.5	0.5	SPORTS MEDICINE I (1/2 CREDIT)	
090724	1	1	SPORTS MEDICINE II (1 CREDIT)	
090721	0.5	0.5	SPORTS MEDICINE II(1/2 CREDIT)	
090722	1	0.5	SPORTS MEDICINE III (1 CREDIT)	
090011	1	0.5	Survey of Pharmacy (Xavier University Partnership)	
010390	1	0.5	VETERINARY ASSISTANT (1 CREDIT)	
010391	1	0.5	VETERINARY ASSISTANT II (1 CREDIT)	