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 for careers in preventive, wellness-centered allied health services.

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

To graduate, Jump Start students must earn at least one credential from the list below. Some options may require more than one credential. These are noted with ‡ Credential codes and their Thrive Accelerator Index values can be found in the Industry-Based Certification Accelerator Matrix.

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

*Aligned to the pathway.

UNIVERSAL DOCUMENTS

INDUSTRY-BASED CERTIFICATION ACCELERATOR MATRIX   FAST FORWARD FUNDING   UNIVERSAL COURSE CODES

Course Code	Credits Allowed	Credits Required	Course Name
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)
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
150325	1	0.5	Biology II: DE - CBIO 1023 General Biology II
150324	1	0.5	Biology II: DE - CBIO 1033 General Biology I (Sci Majors)
150326	1	0.5	Biology II: DE - CBIO 1043 General Biology II (Sci Majors)
150327	1	0.5	Biology II: Gifted
150303	1	0.5	Biology II: Honors
150305	1	0.5	Biology II: IB Biology I
150308	1	0.5	Biology II: IB Biology II
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
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)
150412	1	0.5	Chemistry I: Gifted
150400	1	0.5	Chemistry I: Honors
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)
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
150328	1	0.5	Environmental Science: Honors
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
090820	1	0.5	HUMAN BODY SYSTEMS (1 CREDIT)
090725	3	1	IFSAC Firefighter I
090726	3	1	IFSAC Firefighter II
090727	3	1	IFSAC Firefighter III
090728	3	1	IFSAC Firefighter IV
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)
090472	2	2	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (2 CREDITS)
090930	1	0.5	INTRODUCTION TO HEALTH OCCUPATIONS (1 CREDIT)
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
90819	1	0.5	PLTW Human Body Systems
90829	1	0.5	PLTW Medical Interventions
90809	1	0.5	PLTW Principles of Biomedical Science
80904	3	1	Practical Nursing Pilot I
80905	3	1	Practical Nursing Pilot II
080906	3	1	Practical Nursing Pilot III
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)