



HEALTH AND BIO SCIENCES CAREER CLUSTER DESIGN

Health Science Pathway

CIP CODE 51.9999

*Pre – Committee Review***APPROVED PATHWAY:**

- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive.5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
* Introduction to Health Care	14000	0.5
Biology	03051	1
Chemistry	03101	1

TECHNICAL LEVEL

Title	Code	Credit
Nutrition and Wellness	19253	0.5
* Anatomy and Physiology	03053	1
# EMS First Responder	44050	0.5
Medical Terminology	14154	0.5
Health Information (HIT)	14157	1
AP Biology	03056	1
Health Care Research and Clinical Skills A	14254	0.5
Health Care Research and Clinical Skills B	36254	1

GENERAL HEALTH STRAND (PA, MED)

Title	Code	Credit
Fundamentals of Emergency Services	14055	0.5
Medical Interventions	14105	1

SPORTS MED/REHABILITATION STRAND (ATC, PT, OT)

Title	Code	Credit
# Physical Therapy	14060	1
# Care of Athletes	14062	0.5
# Sports Medicine I	14072	1

ALLIED HEALTH STRAND (Nursing, X-Ray, EMT, Lab Sciences)

Title	Code	Credit
Medical Imaging	14103	0.5
# Pharmacology	14253	1
# Emergency Medical Tech (EMT)	44060	1

APPLICATION LEVEL

Title	Code	Credit
# Certified Medication Aide	36156	0.5
# Certified Nursing Assistant	14997	0.5/1
Health Care Work Experience	36992	1
Health Care Work Experience	36993	2

GENERAL HEALTH STRAND (PA, MED)

Title	Code	Credit
# Phlebotomy Technician	14104	0.5

SPORTS MED/REHABILITATION STRAND (ATC, PT, OT)

Title	Code	Credit
# Sports Medicine II	14073	1

ALLIED HEALTH STRAND (Nursing, X-Ray, EMT, Lab Sciences)

Title	Code	Credit
# Phlebotomy Technician	14104	0.5
# Home Health Aide	36053	0.5
# Dental Assistant	36054	1
# Pharmacy Technician	36157	1
# Emergency Medical Tech II (EMT II)	44065	1

* Required course for pathway approval.

Has a prerequisite Emergency Medical Tech (44060).

Courses may require specialized teacher certification and/or offer professional certification.



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Title	Code	Credit
Introduction to Health Care	14000	0.5
Chemistry	03101	1
Biology	03054	1

TECHNICAL LEVEL

Title	Code	Credit
Nutrition and Wellness	19253	0.5
* Anatomy and Physiology	03053	1
EMS First Responder	44050	0.5
Medical Terminology	14154	0.5
Health Care Essentials I	14254	0.5
Health Care Essentials II	36254	1
Human Body Systems	14102	1
Fundamentals of Emergency Services	14055	0.5
Medical Interventions	14105	1
Health Information (HIT)	14157	1
AP-Biology	03056	1

APPLICATION LEVEL

Title	Code	Credit
📄 Certified Medication Aide	36156	0.5
📄 Certified Nursing Assistant	14997	0.5
📄 Certified Patient Care Technician	10202	0.5
Health Care Work Experience	30100	1
Health Care Work Experience II	30100	2

SPORTS MED/REHABILITATION STRAND

Title	Code	Credit
📄 Foundations of Rehab	14060	1
📄 Care of Athletes	14062	0.5
📄 Sports Medicine I	14072	1

SPORTS MED/REHABILITATION STRAND

Title	Code	Credit
📄 Sports Medicine II	14073	1

ALLIED HEALTH STRAND

Title	Code	Credit
Medical Imaging	14103	0.5
📄 Pharmacology	14253	1
📄 Emergency Medical Tech (EMT) I	44060	1
📄 Principles of Phlebotomy	14104	0.5

ALLIED HEALTH STRAND

Title	Code	Credit
📄 Home Health Aide	36053	0.5
📄 Principles of Pharmacy	36157	1
📄 # Emergency Medical Tech (EMT) II	44065	.5
📄 EKG Technician	36991	0.5
📄 Dental Assistant	36054	1

* Required course for pathway approval

Has a prerequisite Emergency Medical Tech (44060).

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Health Care Essentials II	36254	1
Human Body Systems	14102	1
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Post – Committee Review

Pathway Recommendations Summary:

Layout Summary:

The Health Science pathway removed the general health strand to encompass a broad list of health care related courses. Two strands remain: Sports Med/Rehabilitation and Allied Health. The star for pathway approval was removed from the course, Introduction to Health Care, and remains for the course, Anatomy and Physiology. Principles of Phlebotomy changed from an application-level course to a technical level course. Several courses were given new titles. The star requirement of the required course 14000, Introduction to Health Care was removed. The star for Anatomy and Physiology remains. Please see course specific changes below.

CIP Change:

The CIP is under review.

Courses reviewed with recommended changes:

- 14000 Introduction to Health Care
- 19253 Nutrition and Wellness
- 03053 Anatomy and Physiology
- 14154 Medical Terminology
- 14254 Health Care Essentials I, renamed from Health Care Research and Clinical Skills A
- 36254 Health Care Essentials II, renamed from Health Care Research and Clinical Skills B
- 14102 Human Body Systems
- 14055 Fundamental of Emergency Services
- 14060 Foundations of Rehab, renamed from Physical Therapy
- 14072 Sports Medicine I
- 14073 Sports Medicine II
- 14253 Pharmacology
- 36156 Certified Medication Aide
- 14997 Certified Nursing Assistant
- 36992 Health Care Work Experience
- 36992 Health Care Work Experience II
- 14104 Principles of Phlebotomy, renamed from Phlebotomy Tech
- 14073 Sports Medicine II
- 36053 Home Health Aide
- 36157 Principles of Pharmacy, renamed from Pharmacy Technician

Courses recommended to be added to the pathway:

- 14202 * New* Certified Patient Care Technician
- 36691 * New* EKG Technician
- 14102 Human Body Systems

Courses with no recommended changes :[CTE Course Competencies and Indicators \(ksde.org\)](https://ksde.org)

- 03101 Chemistry
- 19253 Nutrition and Wellness
- 44050 EMS first Responder
- 14105 Medical Interventions
- 14062 Care of Athletes
- 14103 Medical Imaging
- 44060 Emergency Medical Tech (EMT) I
- 44065 Emergency Medical Tech (EMT) II

Courses recommended to be removed from the pathway:

- 03051 Biology
- 14157 Health Information (HIT)
- 03056 AP Biology
- 36054 Dental Assistant