



# Health Science Technology

## Associate in Applied Science degree

**Program Coordinator:** Tammie Disco

**E-mail:** tammie.disco@kctcs.edu

**Phone:** 859-246-6654

**Program Website:** <https://bluegrass.kctcs.edu/education-training/program-finder/health-science-technology.aspx>

**Student Name:** \_\_\_\_\_

**Student ID:** \_\_\_\_\_

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

First Semester	Credit Hours	Term	Grade	Prerequisites or Corequisites	Notes
CLA 131 Med Term Gr Lat OR AHS 115 Med Term OR MIT 103 Medical Office Terminology	3				
BIO 135 Basic Anatomy and Physiology with Lab OR Both BIO 137 & BIO 139	4			Prereq: See note on back	BIO 137 & 139 may not be taken in same semester, must be taken to fulfill Biology requirement
Digital Literacy	3			Prereq: RDG 020 OR consent of instructor	OST 105 Introduction to Information Systems OR CIT 105 Introduction to Computers is recommended for certificates
FYE 105 Achieving Academic Success	3				
NAA 100 Nursing Assistant Skills	3				Certificate – Medicaid Nurse Aid
<b>Total Semester Credit Hours</b>	<b>16</b>				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites or Corequisites	Notes
MAT 110 Applied Mathematics or MAT 150 College Algebra	3				Please verify with advisor for appropriate math course for your program/certificate
ENG 101 Writing I	3				
(BIO 139 Human Anatomy and Physiology II) <sup>1</sup>	(4)				
Health Science Technical Courses <sup>2</sup>	9				<sup>2</sup> Refer to certificate options on back
<b>Total Semester Credit Hours<sup>3</sup></b>	<b>15-19</b>				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites or Corequisites	Notes
PSY 110 – General Psychology	3				
Heritage/Humanities	3				Refer to Heritage/ Humanities courses
Health Science Technical Courses <sup>2</sup>	6-9				<sup>2</sup> Refer to certificate options on back
<b>Total Semester Credit Hours<sup>3</sup></b>	<b>15-18</b>				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites or Corequisites	Notes
Oral Communications	3				COM 181 or COM 252 recommended
Social/Behavioral Sciences	3				
Health Science Technical Courses (as needed) <sup>2</sup>	8-9				<sup>2</sup> Refer to certificate options on back
<b>Total Semester Credit Hours<sup>3</sup></b>	<b>14-15</b>				
<b>Total Degree Credit Hours</b>	<b>60-68</b>				

**Graduation Requirements:**

- Cumulative GPA must be 2.0 or higher
- Minimum 60 hours
- Digital Literacy Demonstrated
- 25% or more of Total Degree Credit Hours must be earned at BCTC

**Advisor Name** \_\_\_\_\_

**Advisor Contact** \_\_\_\_\_

**Additional Information**

<sup>1</sup> Only needed if BIO 137 completed in prior semester

<sup>2</sup> Health Science Technical Course selection must result in final attainment of a minimum of three KCTCS certificate credentials.

<sup>3</sup> Total Semester Credit Hours may vary between students. These are suggested hours to complete program in four semesters.

A grade of C or better is required in each biological science, quantitative reasoning (mathematics), and the nurse assistant (NAA 100) course. In addition, students must adhere to the grading requirements for each certificate they select for completion.

Entry Level Pharmacy Technology is selective admissions certificate. You must meet with Program Coordinator.

Human Service Recovery Coach should meet first with Program Coordinator.

Prerequisite for BIO 135 is minimum ACT Composite score 16 (or KCTCS determined equivalency); OR completion with "C" or better of any college biology or chemistry course; OR ACT of 13-15 with co-requisite OR supplemental instruction; OR consent of instructor.

For specific requirements/courses of each certificate, click the title of the certificate to be directed to the website.

**<sup>2</sup> Health Science Technical Course selection must result in final attainment of a minimum of three KCTCS certificate credentials.**

List additional hours acquired for Health Science Technical course requirements:				**Additional course options for technical courses, if needed to complete 60 credit hour requirement for degree: KMA100    CPR 100 OST 110    MIT 227 MIT 217    MIT 230 BAS 120    ENG 102 BIO 137    PSY 223 BIO 139    PSY 230 BIO 225    PHY 152 BIO 118    PHY 171
Certificates			Credit Hours	
#1	Medicaid Nurse Aid Certificate (NAA 100)			
#2				
#3				
(#4)				
(#5)				
Additional courses, as needed, to meet 60 credit minimum:		Credit Hours	Grade	Semester

**Associate of Applied Science Degree: Health Science Technology - Certificate Options<sup>2</sup>**

**Certificate Options (must complete two additional certificates, combined credits cannot exceed 30 hours)**

<b>Basic Biotechnician - 12 Additional credits</b>				Cr	Sem.	Gr.
	BTN 101 Introduction to Biotechnology			1		
	BTN 105 Applied Laboratory Calculations for Biotechnology			3		
	BTN 201 Biotechnology Techniques I			4		
	BTN 202 Biotechnology Techniques II			4		
<b>Electronic Health Records Specialist - 24 additional credits</b>				Cr	Sem.	Gr.
	MIT 104 - Medical Insurance			3		
	MIT 217 – Medical Office Procedures			3		
	MIT 224 – Medical Practice Management			3		
	MIT 227 – Medical Office Software			3		
	MIT 228 – Electronic Medical Records			3		
	MIT 230 – Medical Information Management			3		
	OST 110 - Word Processing or Program Appd. By Coordinator			3		
	OST 240 - Software Integration or CIT 130 Productivity Software			3		
<b>Emergency Medical Technician - 6 additional credits</b>				Cr	Sem.	Gr.
	FRS 2061 - Emergency Medical Technician or			6		
	EMS 105 - Emergency Technician			6		
<b>Entry Level Pharmacy Technology - 15 additional credits</b>				Cr	Sem.	Gr.
	PHA 110 - Pharmacy Procedures and Skills			6		
	PHA 136 - Pharmacology I			3		
	PHA 145 - Pharmaceutical Calculations			3		
	PHA 150 - Pharmacy Experience I			3		

<b>Hospital Admissions Specialist - 24 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
MIT 104 - Medical Insurance		3		
MIT 217 – Medical Office Procedures		3		
MIT 224 – Medical Practice Management		3		
MIT 228 – Electronic Medical Records		3		
MIT 230 – Medical Information Management		3		
OST 110 - Word Processing or Program Appd. By Coordinator		3		
OST 235 - Business Communications		3		
<b>Human Services Direct Support - 12 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
HMS 102 - Values of Human Services in a Contemporary Society		3		
HMS 235/SWK 250 - Teaching Persons with Mental Retardation or SWK 180 - Introduction to Gerontology or HMS/SWK 200 - Dynamics of Human Behavior		3		
HMS 265 - Working with Disabilities in Human Services		3		
SWK 275 - The Family OR FAM 252 Introduction of Family Science		3		
<b>Human Services Recovery Coach - 24 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
HMS 101 - Human Services Survey		3		
HMS 102 - Values of Human Services in a Contemporary Society		3		
HMS 103 - Theories and Techniques in Human Services		3		
HMS 104 - Group Dynamics in Human Behavior		3		
HMS 210 - Drugs, Society and Human Behavior		3		
HMS 211/SWK 255 - Introduction to Addictions		3		
HMS 212/SWK 260 - Crisis Intervention		3		
SWK 275 - The Family OR FAM 252 Introduction of Family Science		3		
<b>Kentucky Medication Aide - 5 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
KMA 100 - Kentucky Medication Aide (6 months Nurse Aide experience required)		5		
<b>Medical Coding - 15 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
MIT 104 - Medical Insurance		3		
MIT 204 - Medical Coding		3		
MIT 205 - Advanced Medical Coding		3		
OST 110 - Word Processing or Program Appd. By Coordinator		3		
Program Appd. By Coordinator		3		
<b>Medical Interpreter - 4 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
MIT 240 - Medical Interpreter (Lecture)		3		
MIT 241 - Medical Interpreter (Lab)		1		
<b>Medical Receptionist - 9 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
OST 110 - Word Processing		3		
MIT 217 - Medical Office Procedures		3		
MIT 230 - Medical Information Management		3		
<b>Medical Unit Coordinator - 18 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
MIT 104 - Medical Insurance		3		
MIT 217 – Medical Office Procedures		3		
MIT 224 – Medical Practice Management		3		
MIT 228 – Electronic Medical Records		3		
MIT 230 – Medical Information Management		3		
OST 110 - Word Processing or Program Appd. By Coordinator		3		
<b>Phlebotomist - 8 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
PHB 100 - Phlebotomy		6		
PHB 155 - Phlebotomy Clinical		2		
<b>Project Lead the Way - 12 additional credits</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
PLW 130 - Principles of Biomedical Science		3		
PLW 135 - Principles of Human Body Systems		3		
PLW 140 - Medical Interventions		3		
PLW 145- Biomedical Innovations		3		
<b>Data Entry Operator - 3 additional credits (only if OST 105 is taken)</b>		<b>Cr</b>	<b>Sem.</b>	<b>Gr.</b>
OST 110 - Word Processing		3		