



## GENERAL SCIENCE - HEALTH OCCUPATIONS TRACK

Flexible science base for many career paths

“As soon as there was room in the Medical Assisting program for me, I had all the classes I needed to be well-ahead of everybody else in my group.”

“My studies in Health Occupations were really rigorous, and prepared me to go to any college I wanted for my four-year degree. I learned how to learn, and I saved thousands of dollars by coming to KVCC for the first two years.”

For many students, KVCC is just the first step in their educational journey. Students who finish their associate degree at a community college have a far greater chance of finishing their bachelor’s degree at a four-year college or university than students who sample only a few classes. The General Science-Health Occupations program provides an ideal way to both save money and get a strong start for more studies here at KVCC or at a university/college.

### What Health Occupations graduates do:

Support staff	Continue education at KVCC	Assist patients
Collect data	Continue education at universities	Work in teams
Do admissions	Conduct some assessments	Answer phones

### Students learn:

Microbiology	Physiology	Anatomy
Medical terminology	Communication	Laboratory practices
Professional writing	Data analysis	Data collection

### Health Occupations graduates work in:

- Hospitals
- Health education organizations
- Governmental agencies
- Educational institutions
- Health clinics
- Continue education in Allied Health or Nursing programs at KVCC



### Program entry requirements:

To see the entrance requirements for this program, please view the pages ahead, and visit [www.kvcc.me.edu/prereq](http://www.kvcc.me.edu/prereq)

For further questions about the program, please contact Kathy Englehart at:

[hlth@kvcc.me.edu](mailto:hlth@kvcc.me.edu)

or go to:

[www.kvcc.me.edu/hlth](http://www.kvcc.me.edu/hlth)



## GENERAL SCIENCE - Health Occupations Option - Advanced Emergency Care

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO101 Biology I .....	4	See below
__ __	EMS111 Emergency Medical Technology I .....	5	
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	CHE112 General Chemistry I .....	4	(MAT117 or equivalent mathematical aptitude)
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication .....	3	
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO213 Anatomy and Physiology I .....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117 or equivalent
__ __	SOC101 Introduction to Sociology .....	3	
__ __	_____ Fine Arts or Language Elective .....	3	
__ __	_____ General Elective .....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	BIO219 Microbiology .....	4	BIO101 or BIO213 or permission of instructor
__ __	ENG218 Advanced Technical Writing .....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	PHI110 Introduction to Contemporary Ethics .....	3	(ENG101)
__ __	_____ Humanities Elective .....	3	
<b>TOTAL CREDITS .....</b>		<b>63</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 63 credits in the General Science degree - Health Occupations (Advanced Emergency Care) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Health Information Technology

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAS121 Medical Terminology.....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	CPT121 Software Applications II .....	3	CPT117 or equivalent
__ __	MAT113 Elements of Mathematics.....	3	Min. Accuplacer arithmetic score of 55
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	BUS115 Principles of Management .....	3	
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	_____ General Elective.....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	_____ Fine Arts or Language Elective.....	3	
<b>TOTAL CREDITS .....</b>		<b>62</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 62 credits in the General Science degree - Health Occupations (Health Information Technology) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Medical Assisting

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAS121 Medical Terminology .....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	MAT113 Elements of Mathematics.....	3	Min. Accuplacer arithmetic score of 55
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	ENG108 Technical Writing.....	3	Min. Accuplacer writing score of 74
__ __	MAS114 Medical Office Law and Ethics.....	3	
__ __	_____ Fine Arts or Language Elective.....	3	
__ __	_____ General Elective.....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
<b>TOTAL CREDITS .....</b>		<b>62</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 62 credits in the General Science degree - Health Occupations (Medical Assisting) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Nursing

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication.....	3	
__ __	PSY215 Developmental Psychology .....	3	PSY101
__ __	SOC101 Introduction to Sociology .....	3	
__ __	_____ Humanities Elective .....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO219 Microbiology.....	4	BIO101 or BIO213
__ __	CHE112 General Chemistry I.....	4	(MAT117 or equivalent mathematical aptitude)
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	CHE115 General Chemistry II.....	4	Minimum grade of "C" in CHE112
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	SOC203 Death and Dying .....	3	PSY101 or SOC101
__ __	_____ Fine Arts or Language Elective.....	3	
	<b>TOTAL CREDITS .....</b>	<b>60</b>	

### **Criteria for Graduation**

Students must complete 60 credits in the General Science degree - Health Occupations (Nursing) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Occupational Therapy Assistant

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	COM104 Introduction to Communication.....	3	
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAT113 Elements of Mathematics.....	3	Min. Accuplacer arithmetic score of 55
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	PSY101 Introduction to Psychology .....	3	
__ __	SOC101 Introduction to Sociology .....	3	
__ __	_____ Humanities Elective.....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031 (ENG101)
__ __	PHI110 Introduction to Contemporary Ethics.....	3	
__ __	PSY215 Developmental Psychology .....	3	PSY101
__ __	_____ General Elective.....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II.....	4	Minimum grade of "C" in BIO101
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117
__ __	_____ Fine Arts or Language Elective.....	3	
<b>TOTAL CREDITS .....</b>		<b>62</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 62 credits in the General Science degree - Health Occupations (Occupational Therapy Assistant) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Phlebotomy

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAS121 Medical Terminology.....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	MAT113 Elements of Mathematics.....	3	Min. Accuplacer arithmetic score of 55
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	ENG108 Technical Writing.....	3	Min. Accuplacer writing score of 74
__ __	FSN201 Introduction to Food Science .....	3	100 level college science course
__ __	MAS114 Medical Office Law and Ethics.....	3	
__ __	_____ Fine Arts or Language Elective.....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
<b>TOTAL CREDITS .....</b>		<b>62</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 62 credits in the General Science degree - Health Occupations (Phlebotomy) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Physical Therapist Assistant

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
__ __	PSY101 Introduction to Psychology .....	3	
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	PHY111 Elements of Physics .....	4	Minimum grade of "C" in MAT117 or MAT119
__ __	PSY215 Developmental Psychology .....	3	PSY101
__ __	_____ Humanities Elective.....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	CHE112 General Chemistry I.....	4	(MAT117 or equivalent mathematical aptitude)
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117
__ __	PHY211 Elements of Physics II .....	4	Minimum grade of "C" in PHY111
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II.....	4	Minimum grade of "C" in BIO101
__ __	CHE115 General Chemistry II.....	4	Minimum grade of "C" in CHE112
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	_____ Fine Arts or Language Elective.....	3	
<b>TOTAL CREDITS .....</b>		<b>63</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 63 credits in the General Science degree - Health Occupations (Physical Therapist Assistant) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.



## GENERAL SCIENCE - Health Occupations Option - Radiologic Technology

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
__ __	PHY111 Elements of Physics .....	4	Minimum grade of "C" in MAT117 or MAT119
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II.....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	PHY213 Radiographic Physics.....	3	
__ __	PSY101 Introduction to Psychology.....	3	
__ __	_____ Humanities Elective.....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....		See below
	OR		
__ __	CHE112 General Chemistry I.....	4	(MAT117 or equivalent mathematical aptitude)
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	PSY215 Developmental Psychology .....	3	PSY101
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II.....		Minimum grade of "C" in BIO101
	OR		
__ __	CHE115 General Chemistry II.....	4	Minimum grade of "C" in CHE112
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117
__ __	_____ Fine Arts or Language Elective.....	3	
__ __	_____ Humanities Elective.....	3	
	<b>TOTAL CREDITS .....</b>	<b>63</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### **Criteria for Graduation**

Students must complete 63 credits in the General Science degree - Health Occupations (Radiologic Technology) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

## GENERAL SCIENCE - Health Occupations Option - Respiratory Therapy

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>Associate in Science Degree</u></b>			
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar .....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	CHE113 Introduction to Biochemistry .....	3	HS Chemistry recommended
__ __	ENG101 College Composition .....	3	Min. Accuplacer writing score of 74
__ __	MAT117 College Algebra .....	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II .....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	PSY101 Introduction to Psychology.....	3	
__ __	_____ Humanities Elective.....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	CHE112 General Chemistry I.....	4	(MAT117 or equivalent mathematical aptitude)
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220 Statistics .....	3	Minimum grade of "C" in MAT117
__ __	PHI110 Introduction to Contemporary Ethics.....	3	(ENG101)
__ __	SOC101 Introduction to Sociology .....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO216 Pathophysiology and Principles of..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	BIO219 Microbiology.....	4	BIO101 or BIO213
__ __	CHE115 General Chemistry II.....	4	Minimum grade of "C" in CHE112
__ __	_____ Fine Arts or Language Elective.....	3	
	<b>TOTAL CREDITS .....</b>	<b>60</b>	

### **Criteria for Graduation**

Students must complete 60 credits in the General Science degree - Health Occupations (Respiratory Therapy) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.