

## Program Information Report

## Health Sciences

## Health Care Foundations (CTHCF)

## Certificate

Program Effective Term: Fall 2020

## High Demand Occupation

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" healthcare associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter healthcare programs are encouraged to contact a counselor and enroll in the Healthcare Exploration course.

## Minimum Concentration Credits Required for the Program:

24

Select a concentration for requirements and total credits required for program.

## Health Care Foundations Concentrations

Nursing Intent (PNUR)		(28 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3
HSC 100 or	Basic Nursing Assistant Skills	
	Current or expired Certified Nursing Assistant (CNA) Certification	0
	HSC 101 is strongly recommended but not required	0
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	
	Any Math Level 4 or higher course	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 206	Life Span Developmental Psychology	4
BIO 147 or	Hospital Microbiology	
BIO 237	Microbiology	1
BIO 212	Pathophysiology: Alterations in Structure and Function	4
HSC 103	Healthcare Exploration	1

Physical Therapist Assistant Intent (PPTA)		(27 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 147	Growth and Development	3
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
HSC 103	Healthcare Exploration	1

Radiography Intent (PRAD)		(24 credits)
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3

## Program Information Report

HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 125 or	Everyday College Math	
MTH 160 or	Basic Statistics	
	Any Math Level 4 or higher course	4
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 100	Introduction to Diagnostic Imaging	2
PSY 100 or	Introduction to Psychology	
SOC 100	Principles of Sociology	3

**Surgical Technology Intent (PSUR) (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
BIO 237	Microbiology	4
ENG 111 or	Composition I	
ENG 226	Composition II	3
	Soc. Sci. Elective(s)	3
	Speech/Comp Elective(s)	3
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1
MTH 125 or	Everyday College Math	
MTH 160 or	Basic Statistics	
	Any Math Level 4 or higher course	3
PHL 244	Ethical and Legal Issues in Health Care	3
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 103	Healthcare Exploration	1

**No Specialty (OTH) (24 credits)**

BIO 101 or	Concepts of Biology	
BIO 102 or	Human Biology	
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or	Basic Nursing Assistant Skills	
RAD 100 or	Introduction to Diagnostic Imaging	
HSC 103	Healthcare Exploration	1
	MTH 125, MTH 160, MTH 169, or any Math Level 4 or higher course**	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	
SOC 100 or	Principles of Sociology	
PSY 206	Life Span Developmental Psychology	3

**Minimum Credits Required for the Program: 24**

**Notes:**

\**CEM 101 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.*

\*\**Math requirements vary dramatically from concentration to concentration. Please see an advisor for assistance with selecting an appropriate math course.*

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:** CTHCF **Program Name:** Health Care Foundations

**Effective Term:** Fall 2020

**Division Code:** HLT **Department:** Health Science

**Directions:**  
 1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.  
 2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.  
 3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

<input type="checkbox"/> Review	<input type="checkbox"/> Program admission requirements
<input type="checkbox"/> Remove course(s): _____	<input type="checkbox"/> Continuing eligibility requirements
<input type="checkbox"/> Add course(s): _____	<input type="checkbox"/> Program outcomes
<input type="checkbox"/> Program title (title was _____)	<input type="checkbox"/> Accreditation information
<input type="checkbox"/> Description	<input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
<input type="checkbox"/> Type of award	<input checked="" type="checkbox"/> Other: Remove the Pharmacy Tech Intent Concentration (PPHT)
<input type="checkbox"/> Advisors	
<input type="checkbox"/> Articulation information	

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**  
 The Pharmacy Technology program has been discontinued. As a result, the Health Care Foundations program needs to be updated to reflect the change. The Pharmacy Technology Intent is no longer a valid concentration for students to select.

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Susan Travis	<i>Susan Travis</i>	3-2-2020
Department Chair	Kristina Sprague	<i>Kristina Sprague</i>	3/2/2020
Division Dean/Administrator	Valerie Greave	<i>Valerie Greave</i>	3/2/2020
<b>Please submit completed form to the Office of Curriculum and Assessment (SC 257). Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</b>			
Vice President for Instruction	Kimberly Hurns	<i>[Signature]</i>	3/6/2020
President	Rose B. Bellanca	<i>[Signature]</i>	

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*Reviewed by C&A Committees 3/12/20*  
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*[Signature]*

Program Information Report

**Health Sciences**

**Health Care Foundations (CTHCF)**

**Certificate**

**Program Effective Term: Fall 2020**

**High Demand Occupation**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" healthcare associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter healthcare programs are encouraged to contact a counselor and enroll in the Healthcare Exploration course.

**Minimum Concentration Credits Required for the Program:**

**24**

Select a concentration for requirements and total credits required for program.

**Health Care Foundations Concentrations**

**Nursing Intent (PNUR) (28 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3
HSC 100 or	Basic Nursing Assistant Skills	
	Current or expired Certified Nursing Assistant (CNA) Certification	0
	HSC 101 is strongly recommended but not required	0
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	
	Any Math Level 4 or higher course	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 206	Life Span Developmental Psychology	4
BIO 147 or	Hospital Microbiology	
BIO 237	Microbiology	1
BIO 212	Pathophysiology: Alterations in Structure and Function	4
HSC 103	Healthcare Exploration	1

**Pharmacy Technology Intent (PPHT) (25 credits)**

BIO 101	Concepts of Biology*	4
ENG 111	Composition I	4
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1
	MTH 167, MTH 169, MTH 160, or any Math Level 4 or higher course	3
HSC 103	Healthcare Exploration	1
BOS 184	Spreadsheet Software Applications I	3
COM 102	Interpersonal Communication	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Physical Therapist Assistant Intent (PPTA) (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 147	Growth and Development	3

**Program Information Report**

MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
HSC 103	Healthcare Exploration	1

**Radiography Intent (PRAD) (24 credits)**

BIO 109 or	Essentials of Human Anatomy and Physiology	4
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4
COM 101 or	Fundamentals of Speaking	3
COM 102	Interpersonal Communication	3
ENG 111 or	Composition I	3
ENG 226	Composition II	3
HSC 101 or	Healthcare Terminology	1
HSC 124	Medical Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 125 or	Everyday College Math	4
MTH 160 or	Basic Statistics	3
	Any Math Level 4 or higher course	3
PHL 244	Ethical and Legal Issues in Health Care	2
RAD 100	Introduction to Diagnostic Imaging	3
PSY 100 or	Introduction to Psychology	3
SOC 100	Principles of Sociology	3

**Surgical Technology Intent (PSUR) (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
BIO 237	Microbiology	4
ENG 111 or	Composition I	3
ENG 226	Composition II	3
	Soc. Sci. Elective(s)	3
	Speech/Comp Elective(s)	3
HSC 101 or	Healthcare Terminology	1
HSC 124	Medical Terminology	1
MTH 125 or	Everyday College Math	3
MTH 160 or	Basic Statistics	3
	Any Math Level 4 or higher course	3
PHL 244	Ethical and Legal Issues in Health Care	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 103	Healthcare Exploration	1

**No Specialty (OTH) (24 credits)**

BIO 101 or	Concepts of Biology	4
BIO 102 or	Human Biology	4
BIO 109 or	Essentials of Human Anatomy and Physiology	4
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4
COM 101 or	Fundamentals of Speaking	3
COM 102 or	Interpersonal Communication	3
COM 200	Family Communication	4
ENG 111	Composition I	1
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or	Basic Nursing Assistant Skills	1
RAD 100 or	Introduction to Diagnostic Imaging	1
HSC 103	Healthcare Exploration	4
	MTH 125, MTH 160, MTH 169, or any Math Level 4 or higher course**	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	3
SOC 100 or	Principles of Sociology	3
PSY 206	Life Span Developmental Psychology	3

**Minimum Credits Required for the Program: 24**

**Notes:**

\*CEM 101 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

**Program Information Report**

*\*\*Math requirements vary dramatically from concentration to concentration. Please see an advisor for assistance with selecting an appropriate math course.*

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:** CTHCF **Program Name:** Health Care Foundations Certificate **Effective Term:** Fall 2020  
**Division Code:** CTHCF **Department:** Health Sciences

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:** CTHCF / NURSING INTENT

- |  |   |
|--|---|
| <input type="checkbox"/> Review  | <input type="checkbox"/> Program admission requirements   |
| <input checked="" type="checkbox"/> Remove course(s): <u>Mth 167 (prior to May 2017)</u> | <input type="checkbox"/> Continuing eligibility requirements  |
| <input type="checkbox"/> Add course(s): _____  | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____)                                 | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description   | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award   | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors  |   |
| <input type="checkbox"/> Articulation information  |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Nursing program removed Mth 167 from their acceptable math list.

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	<u>Susan Travis</u>	<u>Susan Travis</u>	<u>12-10-2019</u>
Department Chair	<u>Theresa Bucy</u>	<u>Theresa Bucy</u>	<u>12/11/2019</u>
Division Dean/Administrator	<u>Valerie Greaves</u>	<u>Valerie Greaves</u>	<u>12/12/2019</u>
<b>Please submit completed form to the Office of Curriculum and Assessment (SC 257). Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</b>			
Vice President for Instruction	<u>Kimberly Hurns</u>	<u>[Signature]</u>	<u>1/10/2020</u>
President	<u>Rose B. Bellanca</u>	<u>[Signature]</u>	

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for Reviewed by C&A 1/9/20

## Program Information Report

## Health Care Foundations (CTHCF) Certificate

Program Effective Term: Fall 2018

### High Demand Occupation

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" healthcare associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter healthcare programs are encouraged to contact a counselor and enroll in the Healthcare Exploration course.

### Minimum Concentration Credits Required for the Program:

16

Select a concentration for requirements and total credits required for program.

### Health Care Foundations Concentrations

Nursing Intent		(28 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3-4
HSC 100 or	Basic Nursing Assistant Skills	
	Current or expired Certified Nursing Assistant (CNA) Certification	0-4
	HSC 101 is strongly recommended but not required	0
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	
	MTH 167 (prior to May 2017) or any Math Level 4 or higher course	3-5
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 206	Life Span Developmental Psychology	4
BIO 147 or	Hospital Microbiology	
BIO 237	Microbiology	1-4
BIO 212	Pathophysiology: Alterations in Structure and Function	4
HSC 103	Healthcare Exploration	1
Pharmacy Technology Intent		(16 credits)
BIO 101	Concepts of Biology*	4
ENG 111	Composition I	4
	Select one: BOS 184, COM 102, PHL 244 or PSY 100	3
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1-3
	MTH 167, MTH 169, MTH 160, or any Math Level 4 or higher course	3-5
HSC 103	Healthcare Exploration	1
Physical Therapist Assistant Intent		(27 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111 or	Composition I	
ENG 226	Composition II	3-4
HSC 101 or	Healthcare Terminology	
HSC 124	Medical Terminology	1-3
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 147	Growth and Development	3
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
HSC 103	Healthcare Exploration	1
Radiography Intent		(23 credits)
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4-5



## Program Information Report

COM 101 or COM 102	Fundamentals of Speaking Interpersonal Communication	3
ENG 111 or ENG 226	Composition I Composition II	3-4
HSC 101 or HSC 124	Healthcare Terminology Medical Terminology	1-3
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 125 or MTH 160 or MTH 167 or MTH 169 if passed Fall 2017 or earlier	Everyday College Math Basic Statistics Any Math Level 4 or higher course	3-5
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 100	Introduction to Diagnostic Imaging	2
PSY 100 or SOC 100	Introduction to Psychology Principles of Sociology	3

**Surgical Technology Intent (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function*	5
BIO 237	Microbiology	4
ENG 111 or ENG 226	Composition I Composition II	3-4
	Soc. Sci. Elective(s)	3
	Speech/Comp Elective(s)	3
HSC 101 or HSC 124	Healthcare Terminology Medical Terminology	1-3
MTH 125 or MTH 160 or Any Academic Math Level 4 of higher course	Everyday College Math Basic Statistics Any Academic Math Level 4 of higher course	3-5
PHL 244	Ethical and Legal Issues in Health Care	3
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 103	Healthcare Exploration	1

**No Specialty (23 credits)**

BIO 101 or BIO 102 or BIO 109 or BIO 111	Concepts of Biology Human Biology Essentials of Human Anatomy and Physiology Anatomy and Physiology - Normal Structure and Function*	4-5
COM 101 or COM 102 or COM 200	Fundamentals of Speaking Interpersonal Communication Family Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or RAD 100 or HSC 103	Basic Nursing Assistant Skills Introduction to Diagnostic Imaging Healthcare Exploration	1-4
	MTH 125, MTH 160, MTH 167, MTH 169, or any Math Level 4 or higher course**	3-5
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or SOC 100 or PSY 206	Introduction to Psychology Principles of Sociology Life Span Developmental Psychology	3-4

**Minimum Credits Required for the Program: 16****Notes:**

\*CEM 101 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

\*\*Math requirements vary dramatically from concentration to concentration. Please see an advisor for assistance with selecting an appropriate math course.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CTHCF Program Name: Health Care Foundations  
 Division Code: HLT Department: Nursing

Effective Term: 2017-2018

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

Review

X Remove course(s): PSY 100 from Nursing intent – MTH 169 from Radiography – MTH 167 from Surgical Technology

X Add course(s): PSY 206 Nursing; MTH 125 or 160 or 176 or level 4 math course to Radiography and Surgical Technology

Program title (title was \_\_\_\_\_)

Description

Type of award

Advisors

Articulation information

Program admission requirements

Continuing eligibility requirements

Program outcomes

Accreditation information

Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)

Other \_\_\_\_\_

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

To align with program changes in the health programs

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Susan Travis	<i>Susan Travis</i>	7-17-2017
Department Chair	Mary Burns-Coral	<i>Mary Burns-Coral</i>	07/17/2017
Division Dean/Administrator	Valerie Greaves	<i>Valerie Greaves</i>	7-17-2017
Vice President for Instruction	Kimberly Hurns	<i>Kimberly Hurns</i>	10/1/2017
President			

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Please submit completed form to the Office of Curriculum and Assessment (SC 257).

Program Information Report

Health Care Foundations (CTHCF)

Certificate

Program Effective Term: Fall 2016

High Demand Occupation

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

Minimum Concentration Credits Required for the Program: 25

Select a concentration for requirements and total credits required for program.

Health Care Foundations Concentrations

**Nursing Intent (26 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111	Composition I	4
HSC 100	Basic Nursing Assistant Skills	4
	HSC 101 is strongly recommended but not required	0
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	
MTH 167	Math Applications for Health Science	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Pharmacy Technology Intent (26 credits)**

BIO 101	Concepts of Biology	4
	Computer Lit. Elective(s)	3
	Speech Elective(s)	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PHT 106	Introduction to Pharmacy Technology	1

**Physical Therapist Assistant Intent (25 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PTA 102	Introduction to Physical Therapy	1

**Radiography Intent (25 credits)**

BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 169	Intermediate Algebra	4

**Program Information Report**

PHL 244	Ethical and Legal Issues in Health Care	3
RAD 100	Introduction to Diagnostic Imaging	2
SOC 100	Principles of Sociology	3

**Surgical Technology Intent (29 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
PHY 105	Conceptual Physics	4
	Computer Lit. Elective(s)	3
	Soc. Sci. Elective(s)	3
	Speech Elective(s)	3
	Writing Elective(s)	4
HSC 101	Healthcare Terminology	1
MTH 167	Math Applications for Health Science	3
PHL 244	Ethical and Legal Issues in Health Care	3

**No Specialty (26 credits)**

BIO 101 or	Concepts of Biology	
BIO 102 or	Human Biology	
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
	Computer Lit. Elective(s)	3
	Speech Elective(s)	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or	Basic Nursing Assistant Skills	
PHT 106 or	Introduction to Pharmacy Technology	
PTA 102 or	Introduction to Physical Therapy	
RAD 100	Introduction to Diagnostic Imaging	1-4
MTH 160 or	Basic Statistics	
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	
SOC 100	Principles of Sociology	3

**Minimum Credits Required for the Program: 25**

**Notes:**

*CEM 101 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.*

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: **CTHCF** Program Name: Health Care Foundations  
 Division Code: HLT Department: Nursing

Effective Term: Fall 2016

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |   |   |
|---|---|
| <input type="checkbox"/> Review   | <input type="checkbox"/> Program admission requirements   |
| X Remove course(s): Remove HSC 101 a required course, include it on the list as strongly recommended but not required _____ | <input type="checkbox"/> Continuing eligibility requirements  |
| X Add course(s): Add option of MTH 160-Basic Statistics   | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____)  | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description  | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award  | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors   |   |
| <input type="checkbox"/> Articulation information   |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

To align the Nursing intent concentration with program changes made to the APNURS program

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Susan Travis	<i>Susan Travis</i>	11/11/2015
Department Chair	<i>Mary Burns-Boal</i>	<i>Mary Burns-Boal</i>	11/19/15
Division Dean/Administrator	<i>Valerie Greaves</i>	<i>Valerie Greaves</i>	11/24/15
Vice President for Instruction	<i>Michael A. Nealon</i>	<i>Michael A. Nealon</i>	1/25/16
President			

Do not write in shaded area. Entered in: Banner 2/4/16 C&A Database  Log File  Board Approval

Please submit completed form to the Office of Curriculum and Assessment (SC 257).

logged 12/3/15 *vmd* 12/3/15  
 Office of Curriculum & Assessment

# ACADEMICS

## Health Care Foundations (CTHCF)

Certificate

2013 - 2014    2014 - 2015    2015 - 2016

### Description

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

### Contact Information

**Division:** Health Sciences  
**Department:** Nursing and Health Dept  
**Advisors:** [Susan Travis](#)

### Requirements

(Items marked in orange are available online.)

Select a concentration for requirements and total credits required for program.

#### ▸ Nursing Intent

#### Program Concentrations

Class	Title	Credits
<a href="#">BIO 111</a>	Anatomy and Physiology - Normal Structure and Function	5
<a href="#">COM 101</a>	or Fundamentals of Speaking	
<a href="#">COM 102</a>	or Interpersonal Communication	
<a href="#">COM 200</a>	Family Communication	3
<a href="#">ENG 111</a>	Composition I	4
<a href="#">HSC 100</a>	Basic Nursing Assistant Skills	4
<a href="#">HSC 101</a>	Healthcare Terminology	1
<a href="#">HSC 131</a>	CPR/AED for the Professional Rescuer and First Aid	1
<a href="#">MTH 167</a>	Math Applications for Health Science	3
<a href="#">PHL 244</a>	Ethical and Legal Issues in Health Care	3
<a href="#">PSY 100</a>	Introduction to Psychology	3
<b>Total</b>		<b>27</b>

*Strongly recommended, but not required ✓*  
*or MTH 160: Basic Statistics ✓*  
*26 Min*

Total Credits Required: 27

- [Pharmacy Technology Intent](#)
- [Physical Therapist Assistant Intent](#)
- [Radiography Intent](#)
- [Surgical Technology Intent](#)
- [No Specialty](#)

### Gainful Employment Disclosures

### Footnotes

CEM 101 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

Program Information Report

Health Care Foundations (CTHCF)

Certificate

Program Effective Term: Fall 2014

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

Minimum Concentration Credits Required for the Program: 25

Select one of the concentrations to complete.

Health Care Foundations Concentrations

**Nursing Intent (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111	Composition I	4
HSC 100	Basic Nursing Assistant Skills	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167	Math Applications for Health Science	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Pharmacy Technology Intent (26 credits)**

BIO 101	Concepts of Biology	4
	Computer Lit. Elective(s)	3
	Speech Elective(s)	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PHT 106	Introduction to Pharmacy Technology	1

**Physical Therapist Assistant Intent (25 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PTA 102	Introduction to Physical Therapy	1

**Radiography Intent (25 credits)**

BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 169	Intermediate Algebra	4
PHL 244	Ethical and Legal Issues in Health Care	3

**Program Information Report**

RAD 100	Introduction to Diagnostic Imaging	2
SOC 100	Principles of Sociology	3

**Surgical Technology Intent (29 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
PHY 105	Conceptual Physics	4
	Computer Lit. Elective(s)	3
	Social Sci. Elective(s)	3
	Speech Elective(s)	3
	Writing Elective(s)	4
HSC 101	Healthcare Terminology	1
MTH 167	Math Applications for Health Science	3
PHL 244	Ethical and Legal Issues in Health Care	3

**No Specialty (26 credits)**

BIO 101 or	Concepts of Biology	
BIO 102 or	Human Biology	
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
	Computer Lit. Elective(s)	3
	Speech Elective(s)	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or	Basic Nursing Assistant Skills	
PHT 106 or	Introduction to Pharmacy Technology	
PTA 102 or	Introduction to Physical Therapy	
RAD 100	Introduction to Diagnostic Imaging	1-4
MTH 160 or	Basic Statistics	
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	
SOC 100	Principles of Sociology	3

**Minimum Credits Required for the Program: 25**

**Notes:**

*CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.*



PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CTHCF Program Name: Health Care Foundations  
 Division Code: MSH Department: Nursing

Effective Term: ~~Fall 2014~~  
 SP/SU 2014\*

\* resolve financial aid issues

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

<input type="checkbox"/> Review	<input type="checkbox"/> Program admission requirements
<input type="checkbox"/> Remove course(s): _____	<input type="checkbox"/> Continuing eligibility requirements
<input checked="" type="checkbox"/> Add course(s): <u>Computer Literacy to No Specialty option</u>	<input type="checkbox"/> Program outcomes
<input type="checkbox"/> Program title (title was _____)	<input type="checkbox"/> Accreditation information
<input checked="" type="checkbox"/> Description	<input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
<input type="checkbox"/> Type of award	<input checked="" type="checkbox"/> Other: <u>Add Pharmacy Tech and Surgical Tech Concentrations</u>
<input type="checkbox"/> Advisors	
<input type="checkbox"/> Articulation information	

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**  
 The "No Specialty" option should include the general education computer literacy requirement so that students are prepared to move through their program quickly.  
 A new concentration needs to be added for students interested in the Pharmacy Tech and Surgical Tech programs.

**Financial/staffing/equipment/space implications:**  
 None

**List departments that have been consulted regarding their use of this program.**  
 Allied Health/PHT program coordinator

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Sue Travis	<i>Sue Travis</i>	2/18/2014
Department Chair	Vickie Salter	<i>Vickie Salter</i>	02/20/14
Division Dean/Administrator	Martha Showalter	<i>M. Showalter</i>	2/20/14
Vice President for Instruction	William Abernethy	<i>W. Abernethy</i>	3/19/14
President			

Do not write in shaded area. Entered in: Banner \_\_\_\_\_ C&A Database 3/20/14 Log File 3/20/14 Board Approval \_\_\_\_\_

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

*done*  
 logged 2/24/14 sj  
 Office of Curriculum & Assessment

## Health Care Foundations (CTHCF)

### Description

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and Surgical Technology, and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

### Contact Information

Division

Math, Science & Health

Department

Nursing and Health Dept.

Advisors

Susan Travis

### Requirements

*Select a concentration for requirements and total credits required for program.*

### Nursing Intent Program Concentrations

<b>Class</b>	<b>Title</b>	<b>Credits</b>
<u>BIO 111</u>	Anatomy and Physiology - Normal Structure and Function	5
<u>COM 101</u> or	Fundamentals of Speaking	
<u>COM 102</u> or	Interpersonal Communication	
<u>COM 200</u>	Family Communication	3
<u>ENG 111</u>	Composition I	4
<u>HSC 100</u>	Basic Nursing Assistant Skills	4
<u>HSC 101</u>	Healthcare Terminology	1
<u>HSC 131</u>	CPR/AED for the Professional Rescuer and First Aid	1
<u>MTH 167</u>	Math Applications for Health Science	3
<u>PHL 244</u>	Ethical and Legal Issues in Health Care	3
<u>PSY 100</u>	Introduction to Psychology	3
Total		27
Total Credits Required		27

### Pharmacy Technology Intent Program Concentrations

Class	Title	Credits
BIO 101	Concepts of Biology	4
Elective	Speech Elective	3
Elective	Computer Literacy Elective	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PHT 106	Introduction to Pharmacy Technology	1
Total		26-27
Total Credits Required		26 - 27

### Physical Therapist Assistant Intent Program Concentrations

Class	Title	Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PTA 102	Introduction to Physical Therapy	1
Total		25
Total Credits Required		25

### **Radiography Intent Program Concentrations**

<b>Class</b>		<b>Title</b>	<b>Credits</b>
<u>BIO 109</u>	or	Essentials of Human Anatomy and Physiology	
<u>BIO 111</u>		Anatomy and Physiology - Normal Structure and Function	4 - 5
<u>COM 101</u>		Fundamentals of Speaking	3
<u>ENG 111</u>		Composition I	4
<u>HSC 101</u>		Healthcare Terminology	1
<u>HSC 131</u>		CPR/AED for the Professional Rescuer and First Aid	1
<u>MTH 169</u>		Intermediate Algebra	4
<u>PHL 244</u>		Ethical and Legal Issues in Health Care	3
<u>RAD 100</u>		Introduction to Diagnostic Imaging	2
<u>SOC 100</u>		Principles of Sociology	3
Total			25 - 26
Total Credits Required			25 - 26

### **No Specialty Program Concentrations**

<b>Class</b>		<b>Title</b>	<b>Credits</b>
<u>BIO 101</u>	or	Concepts of Biology	
<u>BIO 102</u>	or	Human Biology	
<u>BIO 109</u>	or	Essentials of Human Anatomy and Physiology	
<u>BIO 111</u>		Anatomy and Physiology - Normal Structure and Function	4 - 5
Elective		Speech Elective	3
Elective		Computer Literacy Elective	3
<u>ENG 111</u>		Composition I	4
<u>HSC 101</u>		Healthcare Terminology	1
<u>HSC 131</u>		CPR/AED for the Professional Rescuer and First Aid	1
<u>HSC 100</u>	or	Basic Nursing Assistant Skills	
<u>PHT 106</u>	or	Introduction to Pharmacy Technology	
<u>PTA 102</u>	or	Introduction to Physical Therapy	
<u>RAD 100</u>		Introduction to Diagnostic Imaging	1 - 4
<u>MTH 160</u>	or	Basic Statistics	
<u>MTH 167</u>	or	Math Applications for Health Science	
<u>MTH 169</u>		Intermediate Algebra	3 - 4
<u>PHL 244</u>		Ethical and Legal Issues in Health Care	3
<u>PSY 100</u>	or	Introduction to Psychology	
<u>SOC 100</u>		Principles of Sociology	3
Total			26 - 29
Total Credits Required			26 - 29

Intent

**Certified Surgical Technology Program Concentrations**

Class		Title	Credits
BIO 111		Anatomy and Physiology - Normal Structure and Function	5
PHY 105		Conceptual Physics	4
Electives		Speech Elective	3
Elective		Computer Literacy Elective	3
Elective		Writing Elective	4
HSC 101		Healthcare Terminology	1
MTH 167		Math Applications for Health Science	3
PHL 244		Ethical and Legal Issues in Health Care	3
Social Science		Select a General Education Social Science Class	3
Total			29

Total Credits Required

29

Note:

CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

**Program Information Report**

**School of Nursing and Health Sciences**

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, an advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, an advanced certificate and General Education requirements.

**Health Care Foundations**

This certificate program can provide the essential basic skills to prepare for a specialized health care program.

**Health Care Foundations (CTHCF) Certificate**

**Program Effective Term: Fall 2012**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Physical Therapist Assistant, Radiography and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associates degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

**Minimum Concentration Credits Required for the Program:**

**23**

Select one of the concentrations to complete.

**Health Care Foundations Concentrations**

**Nursing Intent (27 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111	Composition I	4
HSC 100	Basic Nursing Assistant Skills	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 167	Math Applications for Health Science	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Physical Therapist Assistant Intent (25 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160	Basic Statistics	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3
PTA 102	Introduction to Physical Therapy	1

Program Information Report

**Radiography Intent (25 credits)**

BIO 109 or	Essentials of Human Anatomy and Physiology	4-5
BIO 111	Anatomy and Physiology - Normal Structure and Function	3
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 169	Intermediate Algebra	4
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 100	Introduction to Diagnostic Imaging	2
SOC 100	Principles of Sociology	3

**No Specialty (23 credits)**

BIO 101 or	Concepts of Biology	
BIO 102 or	Human Biology	
BIO 109 or	Essentials of Human Anatomy and Physiology	4-5
BIO 111	Anatomy and Physiology - Normal Structure and Function	3
COM 101 or	Fundamentals of Speaking	
COM 102 or	Interpersonal Communication	
COM 200	Family Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
HSC 100 or	Basic Nursing Assistant Skills	
PTA 102 or	Introduction to Physical Therapy	
RAD 100	Introduction to Diagnostic Imaging	1-4
MTH 160 or	Basic Statistics	
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	
SOC 100	Principles of Sociology	3

**Minimum Credits Required for the Program: 23**

**Notes:**

*Chemistry:*  
 CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

**PROGRAM CHANGE OR DISCONTINUATION FORM**

<b>Program Code:</b> CTHCF	<b>Program Name:</b> Health Care Foundations Certificate	<b>Effective Term:</b> Fall 2011
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Available at: <http://www4.wccnet.edu/academicinfo/creditofferings/programs/degree.php?code=CTHCF>

<b>Division Code:</b> HAT	<b>Department:</b> NHSD
---------------------------	-------------------------

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

<input type="checkbox"/> Review	<input type="checkbox"/> Program admission requirements
<input checked="" type="checkbox"/> Remove course(s): <u>MTH 166</u>	<input type="checkbox"/> Continuing eligibility requirements
<input checked="" type="checkbox"/> Add course(s): <u>BIO 109, BIO 111, COM 200, and SOC 100</u>	<input type="checkbox"/> Program outcomes
<input type="checkbox"/> Program title (title was _____)	<input type="checkbox"/> Accreditation information
<input checked="" type="checkbox"/> Description <u>See attached</u>	<input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
<input type="checkbox"/> Type of award	<input checked="" type="checkbox"/> Other <u>Added: Additional Concentration Options</u>
<input type="checkbox"/> Advisors	
<input type="checkbox"/> Articulation information	

Show all changes on the attached page from the catalog.  
(Attachment A)

**Rationale for proposed changes or discontinuation:**  
Provide students applying for a "high demand" health care associates degree program with a certificate for the completion of the general education and or pre-admission course requirements of their program.

**Financial/staffing/equipment/space implications:**  
N/A

**List departments that have been consulted regarding their use of this program.**  
Nursing & Health Sciences and Allied Health: Dental Assisting, Pharmacy Technology, Physical Therapist Assistant, and Radiography

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Granville Lee/Sue Travis	<i>[Signature]</i>	2/15/11
Department Chair(s)	Gloria Velarde/Connie Foster	<i>[Signature]</i>	2/14/2011
Division Dean/Administrator	Granville Lee/Martha Showalter	<i>[Signature]</i>	2/15/2011
Vice President for Instruction		<i>[Signature]</i>	2/25/11
President			

Do not write in shaded area. Entered in: Banner \_\_\_\_\_ C&A Database 4/4/11 Log File 2/15/11 sj Board Approval \_\_\_\_\_  
Please submit completed form to the Office of Curriculum and Assessment and 4/4/11 sj  
email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.



Program Information Report

**School of Nursing and Health Sciences**

**Health Care Foundations**

**Health Care Foundations (CTHCF)**

**Certificate**

**Program Effective Term: Fall 2011**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and general education requirements for Associate in Applied Science degree. It provides students applying for a "high demand" health care associates degree program with a certificate for the completion of the general education and/or pre-admission course requirements of their program.

Major/Area Requirements		(9 credits)
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
PHL 244	Ethical and Legal Issues in Health Care	3

**Minimum Concentration Credits Required for the Program: 16**  
 Additional text can be inserted here about the concentrations.

**Health Care Foundations Concentrations**

**General Education (GenEd) (17 credits)**

BIO 101 or	Concepts of Biology	4
BIO 102	Human Biology	4
COM 101 or	Fundamentals of Speaking	3
COM 102	Interpersonal Communication	3
HSC 100 or	Basic Nursing Assistant Skills	4
HSC 102 or	Introduction to Physical Therapy	1
PHT 106 or	Introduction to Pharmacy Technology	1
RAD 100	Introduction to Diagnostic Imaging	1-4
MTH 160 or	Basic Statistics	3
MTH 167 or	Math Applications for Health Science	3
MTH 169	Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100 or	Introduction to Psychology	3
SOC 100	Principles of Sociology	3

**Nursing Registered (nursing) (18 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 200	Family Communication	3
HSC 100	Basic Nursing Assistant Skills	4
MTH 167	Math Applications for Health Science	3
PSY 100	Introduction to Psychology	3

**Physical Therapist Assistant (18 credits)**

BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 102	Interpersonal Communication	3
HSC 102	Introduction to Physical Therapy	1
MTH 160	Basic Statistics	4
PSY 100	Introduction to Psychology	3

**Radiography (rad) (16 credits)**

BIO 109	Essentials of Human Anatomy and Physiology	4
COM 101	Fundamentals of Speaking	3
MTH 169	Intermediate Algebra	4
RAD 100	Introduction to Diagnostic Imaging	2
SOC 100	Principles of Sociology	3

**Minimum Credits Required for the Program: 25**

**Notes:**

**Chemistry:**

CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

Program Information Report

**School of Nursing and Health Sciences**

Find your place in the growing field of health care. Whether your interest lies in the traditional field of nursing or the new program in physical therapist assistant the School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, radiography, physical therapist assistant, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students and provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

**Health Care Foundations**

Uncertain of your specific career path in the field of healthcare? This certificate program can provide the essential basic skills to prepare for a specialized program.

**Health Care Foundations (CTHCF)**

**Certificate**

**Program Effective Term: Fall 2011**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Physical Therapist Assistant, Radiography and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" health care associates degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter health care programs are encouraged to contact a counselor.

Major/Area Requirements		Credits
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
PHL 244	Ethical and Legal Issues in Health Care	3

**Minimum Concentration Credits Required for the Program: 16**

Select one of the concentrations to complete.

**Health Care Foundations Concentrations**

Nursing Intent		(18 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101	Fundamentals of Speaking	3
HSC 100	Basic Nursing Assistant Skills	4
MTH 167	Math Applications for Health Science	3
PSY 100	Introduction to Psychology	3

Physical Therapist Assistant Intent		(16 credits)
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 102	Interpersonal Communication	3
HSC 102	Introduction to Physical Therapy	1
MTH 160	Basic Statistics	4
PSY 100	Introduction to Psychology	3

Radiography Intent		(16 credits)
BIO 109 or	Essentials of Human Anatomy and Physiology	

**Program Information Report**

BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
COM 101	Fundamentals of Speaking	3
MTH 169	Intermediate Algebra	4
RAD 100	Introduction to Diagnostic Imaging	2
SOC 100	Principles of Sociology	3

**No Specialty (14 credits)**

BIO 101 or	Concepts of Biology	
BIO 102 or	Human Biology	
BIO 109 or	Essentials of Human Anatomy and Physiology	
BIO 111	Anatomy and Physiology - Normal Structure and Function	4-5
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
HSC 100 or	Basic Nursing Assistant Skills	
HSC 102 or	Introduction to Physical Therapy	
PHT 106 or	Introduction to Pharmacy Technology	
RAD 100	Introduction to Diagnostic Imaging	1-4
MTH 160 or	Basic Statistics	
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	3-4
PSY 100 or	Introduction to Psychology	
SOC 100	Principles of Sociology	3

**Minimum Credits Required for the Program: 25**

**Notes:**

*Chemistry:*

*CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.*

## Health Care Foundations (CTHCF) Certificate

### **Description:**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Physical Therapist Assistant, Radiography, and general education requirements for an Associate in Applied Science degree. It provides students applying for a “high demand” health care associates degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program.

### **Contact Information:**

Division: Health and Applied Technologies

School: School of Nursing and Health Sciences

Department: Nursing and Health Science

Advisors: Sue Travis

<b>Major/Area Requirements</b>		<b>(9 Credits)</b>
<u>ENG 111</u>	Composition I	4
<u>HSC 101</u>	Healthcare Terminology	1
<u>HSC 131</u>	CPR/AED for the Professional Rescuer and First Aid	1
<u>PHL 244</u>	Ethical and Legal Issues in Health Care	3

### **Minimum Concentration Credits Required for the Program:**

**16 Credits**

Additional text can be inserted here about the concentrations.

### **Health Care Foundations Concentrations**

<b>Nursing Intent (nursing)</b>		<b>(18 Credits)</b>
<u>BIO 111</u>	Anatomy and Physiology – Normal Structure and Function	5
<u>COM 101</u>	Fundamentals of Speaking	3
<u>HSC 100</u>	Basic Nursing Assistant Skills	4
<u>MTH 167</u>	Math Applications for Health Science	3
<u>PSY 100</u>	Introduction to Psychology	3

<b>Physical Therapist Assistant Intent (phy)</b>		<b>(16 Credits)</b>
<u>BIO 111</u>	Anatomy and Physiology – Normal Structure and Function	5
<u>COM 102</u>	Interpersonal Communication	3
<u>HSC 102</u>	Introduction to Physical Therapy	1

<u>MTH 160</u>	Basic Statistics	4
<u>PSY 100</u>	Introduction to Psychology	3

**Radiography Intent (rad) (16 Credits)**

<u>BIO 109</u>	Essentials of Human Anatomy and Physiology	4 - 5
or		
<u>BIO 111</u>	Anatomy and Physiology – Normal Structure and Function	5
<u>COM 101</u>	Fundamentals of Speaking	3
<u>RAD 100</u>	Introduction to Diagnostic Imaging	2
<u>MTH 169</u>	Intermediate Algebra	4
<del><u>PSY 100</u></del>	<del>Introduction to Psychology</del> <u>SOC 100</u>	3

**No Specialty (other) (17 - 22 Credits)**

<u>BIO 101</u> or	Concepts of Biology	
<u>BIO 102</u> or	Human Biology	
<u>BIO 109</u> or	Essentials of Human Anatomy and Physiology	
<u>BIO 111</u>	Anatomy and Physiology	4-5
<u>COM 101</u> or	Fundamentals of Speaking	
<u>COM 102</u>	Interpersonal Communication	3
<u>HSC 100</u> or	Basic Nursing Assistant Skills	
<u>HSC 102</u> or	Introduction to Physical Therapy	
<u>PHT 106</u> or	Introduction to Pharmacy Technology	
<u>RAD 100</u>	Introduction to Diagnostic Imaging	1 - 4
<u>MTH 160</u> or	Basic Statistics	
<u>MTH 167</u> or	Math Applications for Health Science	
<u>MTH 169</u>	Intermediate Algebra	3 - 4
<u>PSY 100</u> or	Introduction to Psychology	3
<u>SOC 100</u>	Principles of Sociology	3

**Minimum Credits required for Program 25 - 27**

*Footnotes:*

*Computer and Information Literacy Requirement:*

*In addition, students must demonstrate basic computer skills and knowledge. Courses taken at other institutions, work experience, or transfer credit will not satisfy this requirement. Students can fulfill this requirement through either of the following options:*

*—1. Pass the Computer and Information Literacy test with a score of 70% or higher. Students*

can take

~~the test two times. If a passing score is not attained, an approved Computer and Information~~

~~Literacy course must be taken and passed with a "C" or better.~~

~~OR~~

~~2. Pass, with a "C" or higher, specified courses that incorporate the Computer and Information~~

~~Literacy objectives. These courses might be taken as part of the degree requirements for a particular program.~~

~~The courses include:~~

~~a. CIS 100 Introduction to Computers and Software Applications;~~

~~b. CIS 110 Introduction to Computer Information Systems.~~

~~Students should take the Computer and Information Literacy test at their earliest opportunity, preferable upon admittance to the College. The test is administered in the Testing Center. The schedule for testing can be found in the Academic Class Schedule.~~

Chemistry:

CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

Certificate

Program requirements shown below are for catalog year: **2011 - 2012**

Description:

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and general education requirements for Associate in Applied Science degree. It provides students applying for a "high demand" health care associates degree program with a certificate for the completion of the general education and or pre-admission course requirements of their program.

Major/Area Requirements (23 - 27 credits)	Hours		General	<u>or</u> a Concentration in:		
	Credit	Cntct		Nursing, RN (APNURS)	Physical Therapist Assistant (APPTA)	Radiography (APRAD)
<b><u>Natural Sciences:</u></b>						
BIO 101: Concepts of Biology <u>or</u>	4	90	4			
BIO 102: Human Biology <u>or</u>	4	90				
Add BIO 109: Essentials of Human Anatomy and Physiology <u>or</u>	4	90				<i>only</i> 4
Add BIO 111: Anatomy and Physiology	5	105		5	5	
<b><u>Speech:</u></b>						
COM 101: Fundamentals of Speaking <u>or</u>	3	45	3			<i>only</i> 3
COM 102: Interpersonal Communication <u>or</u>	3	45				3 <i>only</i>
Add COM 200: Family Communications	3	45		3 <i>only</i>		
<b><u>Writing:</u></b>						
ENG 111: Composition I	4	60	4	4	4	4
<b><u>Allied and Health Sciences:</u></b>						
HSC 100: Basic Nursing Assistant Skills <u>or</u>	4	90		4		
HSC 102: Introduction to Physical Therapy <u>or</u>	1	15			1	
PHT 106: Introduction to Pharmacy Technology <u>or</u>	1	15	1			
RAD 100: Introduction to Diagnostic Imaging	2	30				2
HSC 101: Healthcare Terminology	1	15	1	1	1	1
HSC 131: CPR/AED for the Professional Rescuer and First Aid	1	15	1	1	1	1
<b><u>Mathematics:</u></b>						
MTH 160: Basic Statistics <u>or</u>	4	60			4	
MTH 167: Math Applications for Health Science <u>or</u>	3	45	3	3		
Remove MTH 166: Math for Radiography	3	45				
MTH 169: Intermediate Algebra	4	60				4
<b><u>Arts and Humanities:</u></b>						
PHL 244: Ethical and Legal Issues in Health Care	3	45	3	3	3	3
<b><u>Social and Behavioral Science:</u></b>						
PSY 100: Introduction to Psychology <u>or</u>	3	45	3	3	3	
Add SOC 100: Principles of Sociology	3	45				3
<b>Minimum Credits Required for the Program . . .</b>	<b>23-27</b>		<b>23</b>	<b>27</b>	<b>25</b>	<b>25</b>

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:** CTHCF **Program Name:** Health Care Foundations  
**Division Code:** HAT **Department:** Nursing and Health Sciences

**Effective Term:** Fall 2011

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |   |   |
|---|---|
| <input type="checkbox"/> Review   | <input type="checkbox"/> Program admission requirements   |
| <input checked="" type="checkbox"/> Remove course(s): MTH 166: Math for Radiography | <input type="checkbox"/> Continuing eligibility requirements  |
| <input checked="" type="checkbox"/> Add course(s): CIS 100 or CIS 110               | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____)                            | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description  | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award  | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors   |   |
| <input type="checkbox"/> Articulation information                                   |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

1. Discontinuation of math course
2. Add computer class to meet computer literacy requirement as many students completing this certificate complete an Associate Degree.

**Financial/staffing/equipment/space implications:**

none

**List departments that have been consulted regarding their use of this program.**

WCC School of Nursing and Health Sciences, Math Department

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Susan Travis	<i>Susan Travis</i>	10-26-10
Department Chairs	Gloria Velarde	<i>Gloria Velarde</i>	11/5/10
Division Dean/Administrator	Granville Lee	<i>Granville Lee</i>	10/27/2010
Vice President for Instruction	Stuart Blacklaw	<i>Stuart Blacklaw</i>	10/29
President	Larry Whitworth	<i>Larry Whitworth</i>	11/10/10

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Uncertain of your specific career path in the field of healthcare? This certificate program can provide the essential basic skills to prepare for a specialized program.

**Health Care Foundations (CTHCF)**

**Certificate**

**Major/Area Requirements**

26 credits

BIO 101 or BIO 102	Concepts of Biology / Human Biology	4
COM 101 or COM 102	Fundamentals of Speaking / Interpersonal Communication	3
ENG 111	Composition I	4
HSC 100 or HSC 102 or PHT 106 or RAD 100	Basic Nursing Assistant Skills / Introduction to Physical Therapy / Introduction to Pharmacy Technology / Introduction to Diagnostic Imaging	1-4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or MTH 166 or MTH 167 or MTH 169	Basic Statistics / Math for Radiography - remove / Math Applications for Health Science / Intermediate Algebra	3-4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Health Care Foundations (CTHCF)**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and general education requirements for Associate in Applied Science degree.

**Minimum Credits Required for the Program:**

~~Notes:  
 Computer and Information Literacy Requirement:  
 In addition, students must demonstrate basic computer skills and knowledge. Courses taken at other institutions, work experience, or transfer credit will not satisfy this requirement. Students can fulfill this requirement through either of the following options:  
 1. Pass the Computer and Information Literacy test with a score of 70% or higher. Students can take the test two times. If a passing score is not attained, an approved Computer and Information Literacy course must be taken and passed with a "C" or better.  
 OR  
 2. Pass, with a "C" or higher, specified courses that incorporate the Computer and Information Literacy objectives. These courses might be taken as part of the degree requirements for a particular program.  
 The courses include:  
 a. CIS 100 Introduction to Computers and Software Applications;  
 b. CIS 110 Introduction to Computer Information Systems.  
 Students should take the Computer and Information Literacy test at their earliest opportunity, preferable upon admittance to the College. The test is administered in the Testing Center. The schedule for testing can be found in the Academic Class Schedule.~~

26  
 CIS 100 or  
 CIS 110

SCHOOL OF NURSING AND HEALTH SCIENCES

**Program Information Report**

**School of Nursing and Health Sciences**

Find your place in the growing field of health care. Whether your interest lies in the traditional field of nursing or the new program in physical therapist assistant the School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, radiography, physical therapist assistant, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students and provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

**Health Care Foundations**

Uncertain of your specific career path in the field of healthcare? This certificate program can provide the essential basic skills to prepare for a specialized program.

**Health Care Foundations (CTHCF)  
Certificate**

**Program Effective Term: Fall 2011**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and general education requirements for Associate in Applied Science degree.

Major/Area Requirements		(26 credits)
BIO 101 or	Concepts of Biology	4
BIO 102	Human Biology	4
CIS 100 or	Introduction to Computers and Software Applications	3
CIS 110	Introduction to Computer Information Systems	3
COM 101 or	Fundamentals of Speaking	3
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 100 or	Basic Nursing Assistant Skills	1-4
HSC 102 or	Introduction to Physical Therapy	1
PHT 106 or	Introduction to Pharmacy Technology	1
RAD 100	Introduction to Diagnostic Imaging	1-4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	3-4
MTH 167 or	Math Applications for Health Science	3
MTH 169	Intermediate Algebra	3
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introduction to Psychology	3

**Minimum Credits Required for the Program: 26**

**Notes:**

*Chemistry:*  
CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:**  
CTHCF

**Program Name:**  
Health Care Foundations

**Effective Term:**  
Winter 2010

**Division Code:** HAT

**Department:** Nursing and Health Sciences

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |  |   |
|--|---|
| <input type="checkbox"/> Review                                      | <input type="checkbox"/> Program admission requirements   |
| <input type="checkbox"/> Remove course(s): _____                     | <input type="checkbox"/> Continuing eligibility requirements  |
| <input checked="" type="checkbox"/> Add course(s):                   | <input type="checkbox"/> Program outcomes   |
| • HSC 100: Basic Nursing Assistant Skills ( 4 credits), <i>or</i>    | <input type="checkbox"/> Accreditation information  |
| • HSC 102: Introduction to Physical Therapy (1 credit), <i>or</i>    | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| • PHT 106: Introduction to Pharmacy Technology (1 credit), <i>or</i> | <input type="checkbox"/> Other _____  |
| • RAD 100: Introduction to Diagnostic Imaging (2 credits)            |   |
| <input type="checkbox"/> Program title (title was _____)             |   |
| <input type="checkbox"/> Description                                 |   |
| <input type="checkbox"/> Type of award                               |   |
| <input type="checkbox"/> Advisors                                    |   |
| <input type="checkbox"/> Articulation information                    |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Provide students with optional introductory courses with a career path focus in healthcare. Also, through completion of HSC 100, provides students with direct patient care experience and the opportunity for job placement in a patient care facility.

**Financial/staffing/equipment/space implications:**

None, all are existing courses.

**List departments that have been consulted regarding their use of this program.**

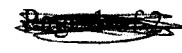
Washtenaw Technical Middle College, and WCC School of Nursing and Health Sciences

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Susan Travis	<i>Susan Travis</i>	11-11-09
Department Chair	Gloria Velarde	<i>Gloria Velarde</i>	11/12/09
Division Dean/Administrator	Granville Lee	<i>Granville Lee</i>	11/13/09
Vice President for Instruction	Roger Palay	<i>Roger M. Palay</i>	12/10/09
President	Larry Whitworth		

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Programs to achieve your educational goals

# Certificates & Degrees

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## Health Care Foundations (CTHCF) Certificate

Program requirements shown below are for catalog year: 2009 - 2010 Change Year

**Description:**  
This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assistant, Radiography, and general education requirements for Associate in Applied Science degree.

Note: This is not an occupational program.

**Contact Information:**  
Division: Health and Applied Technologies  
School: School of Nursing and Health Sciences  
Department: Nursing and Health Science  
Advisors: Sue Travis

### Major/Area Requirements

(22 - 23 Credits)

<u>BIO 101</u> or	Concepts of Biology	4
<u>BIO 102</u>	Human Biology	4
<u>COM 101</u> or	Fundamentals of Speaking	3
<u>COM 102</u>	Interpersonal Communication	3
<u>ENG 111</u>	Composition I	4
<u>HSC 101</u>	Healthcare Terminology	1
<u>HSC 131</u>	CPR/AED for the Professional Rescuer and First Aid	1
<u>MTH 160</u> or	Basic Statistics	
<u>MTH 166</u> or	Math for Radiography	
<u>MTH 167</u> or	Math Applications for Health Science	
<u>MTH 169</u>	Intermediate Algebra	3 - 4
<u>PHL 244</u>	Ethical and Legal Issues in Health Care	3
<u>PSY 100</u>	Introduction to Psychology	3

### Minimum Credits Required for the Program:

~~22 - 23 Credits~~  
**23 - 27**

**Footnotes:**  
*Computer and Information Literacy Requirement: In addition, students must demonstrate basic computer skills and knowledge. Courses taken at other institutions, work experience, or transfer credit will not satisfy this requirement. Students can fulfill this requirement through either of the following options:*

1. Pass the Computer and Information Literacy test with a score of 70% or higher. Students can take the test two times. If a passing score is not attained, CIS 099 must be taken and passed with a "C" or better.
- or
2. Pass, with a "C" or higher, specified courses that incorporate the Computer and Information Literacy objectives. These courses might be taken as part of the degree requirements for a particular program.

- The courses include:
- a. CIS 099 Computer Literacy;
  - b. CIS 100 Introduction to Computers and Software Applications;
  - c. CIS 110 Introduction to Computer Information Systems.

Students should take the Computer and Information Literacy test at their earliest opportunity, preferable upon admittance to the College. The test is administered in the Testing Center. The schedule for testing can be found in the Academic Class Schedule.

**Chemistry:**  
CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

This website is for informational purposes only and is not to be construed as a binding offer or contract between WCC and the student. The information presented here is believed accurate, but is NOT guaranteed and is subject to change without notice.

HSC 100: Basic Nursing Assistant Skills .. 4 credits,  
 OR  
 HSC 102: Introduction to Physical Therapy.. 1 credit,  
 OR  
 PHT 106: Introduction to Pharmacy Technology.. 1 credit,  
 OR  
 RAD 100: Introduction to Digital Imaging.. 2 credits

PROGRAM CHANGE OR DISCONTINUATION FORM

**Program Code:** CTHCF  
**Program Name:** Health Care Foundations

**Effective Term:** Winter 2008

**Division Code:** HAT  
**Department:** Nursing and Health Sciences (NHSD)

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- Review
- Remove course(s): CEM 090, CIS100, MTH097
- Add course(s): MTH160, or MTH166, or MTH167, or MTH169, PHL244, PSY100
- Program title (title was \_\_\_\_\_)
- Description (See attached, hardcopy and Microsoft Word.doc)
- Type of award
- Advisors
- Articulation information
- Program admission requirements
- Continuing eligibility requirements
- Program outcomes
- Accreditation information
- Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
- Other:
  - Computer and Information Literacy Requirement
  - CEM 090 Chemistry required support course

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Strengthen and align the Certificate requirements with the admission and course requirements of other Health Care programs.

**Financial/staffing/equipment/space implications: None**

**List departments that have been consulted regarding their use of this program.**

**Allied Health Department (ALHD):**

- Dental Assisting – Kathy Weber
- Pharmacy Technology – Dina Cheiman
- Physical Therapist Assisting – Pat Hill
- Radiography – Connie Foster

**Nursing and Health Sciences Department (NHSD):**

- Nursing Assistant Skills Training – Linda Lukiewski
- Nursing, RN and Transfer – Gloria Velarde

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Hiralal Dedhia/Susan Travis	<i>Susan Travis</i>	7/16/07
Department Chair	Gloria Velarde	<i>Gloria Velarde</i>	7/17/07
Division Dean/Administrator	Granville Lee	<i>Granville Lee</i>	7/17/07
Vice President for Instruction	Roger Palay	<i>Roger M. Palay</i>	2/15/08
President	Larry Whitworth		

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## Program Information Report

## School of Nursing and Health Sciences

## Health Care Foundations

## Health Care Foundations (CTHCF)

## Certificate

**Program Effective Term: Fall 2008**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology, and general education courses. The certificate fulfills major pre-admission requirements for Dental Assisting, Nursing, Pharmacy Technology, Physical Therapist Assisting, Radiography, and general education requirements for Associate in Applied Science degree.

Note: This is not an occupational program.

<b>Major/Area Requirements</b>		<b>(23 credits)</b>
BIO 101 or	Concepts of Biology	
BIO 102	Human Biology	4
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/AED for the Professional Rescuer and First Aid	1
MTH 160 or	Basic Statistics	
MTH 166 or	Math for Radiography	
MTH 167 or	Math Applications for Health Science	
MTH 169	Intermediate Algebra	4
PHL 244	Ethical and Legal Issues in Health Care	3
PSY 100	Introductory Psychology	3

**Minimum Credits Required for the Program:****23****Notes:****Computer and Information Literacy Requirement:**

In addition, students must demonstrate basic computer skills and knowledge. Courses taken at other institutions, work experience, or transfer credit will not satisfy this requirement. Students can fulfill this requirement through either of the following options:

1. Pass the Computer and Information Literacy test with a score of 70% or higher. Students can take the test two times. If a passing score is not attained, CIS 099 must be taken and passed with a "C" or better.

or

2. Pass, with a "C" or higher, specified courses that incorporate the Computer and Information Literacy objectives. These courses might be taken as part of the degree requirements for a particular program.

**The courses include:**

- a. CIS 099 Computer Literacy;
- b. CIS 100 Introduction to Software Applications;
- c. CIS 110 Introduction to Computer Information Systems.

Students should take the Computer and Information Literacy test at their earliest opportunity, preferable upon admittance to the College. The test is administered in the Testing Center. The schedule for testing can be found in the Academic Class Schedule.

**Chemistry:**

CEM 090 Introductory Chemistry or high school chemistry is a required support course, with a grade of "C" or better.

CTHCF

**PROGRAM PROPOSAL FORM**

**Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.

**Final Approval** – Check here when completing this form after the Vice President of Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

<p><b>Program Name:</b></p> <p><b>Division and Department:</b></p> <p><b>Type of Award:</b></p> <p><b>Effective Term/Year:</b></p> <p><b>Initiator:</b></p>	<p><u>Health Care Foundations</u></p> <p><u>HAT/ Health Science Nursing (HSND)</u></p> <p><input type="checkbox"/> AA   <input type="checkbox"/> AS   <input type="checkbox"/> AAS  <input checked="" type="checkbox"/> Cert.   <input type="checkbox"/> Adv. Cert.   <input type="checkbox"/> Post-Assoc. Cert.   <input type="checkbox"/> Cert. of Comp.</p> <p><u>Fall 2004</u></p> <p><u>Sue Travis</u></p>	<p><b>Program Code:</b></p> <hr/> <p><b>CIP Code:</b></p> <hr/>
<p><b>Identify Program Features</b>  Program's purpose and its goals.   Criteria for entry into the program, along with projected enrollment figures.   Connection to other WCC programs, as well as accrediting agencies or professional organizations.   Special features of the program.</p>	<p><b>Purpose:</b></p> <ul style="list-style-type: none"> <li>Using existing courses provide the foundation required for a variety of careers in the Nursing and Allied Health Care industry. Students will acquire basic knowledge and skills in algebra, biology, chemistry, communication, medical terminology, and computer applications that will enable them to be more successful in their chosen healthcare profession.</li> <li>Fulfill most pre-admission Health Care program requirements.</li> <li>Provide WCC students a certificate completion before transfer to other colleges with which we have an articulation agreement. (i.e. A potential articulation agreement with Lansing Community College for their Surgical Technology program is being prepared).</li> <li>Provide WTMC students with another Certificate option for their high school graduation requirements.</li> </ul> <p><b>Criteria:</b> College level entry assessment. Enrollment projected at 100 per year.</p> <p><b>WCC Program Connections:</b> Fulfills major pre-admission requirements for Nursing, Radiography, and general education requirements for many Associate in Science and Associate in Applied Science Degrees.</p>	
<p><b>Need</b>  Need for the program with evidence to support the stated need.</p>	<p>Address a broad range of health care educational needs towards completion of Associate Degree in support of the current national shortage for qualified healthcare workers, as cited in the <i>Health Care's Human Crisis: The American Nursing Shortage</i> Report from the Robert Wood Johnson Foundation. Improve student preparation for program admissions to Associate Degree and four-year transfer programs.</p>	
<p><b>Program Outcomes/Assessment</b>  State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program.   Include assessment methods that will be used to determine the effectiveness of the program.</p>	<p><b>Outcomes</b></p> <ol style="list-style-type: none"> <li>Acquisition of Math, English and Science skills preparing student for advanced education.</li> <li>Development of basic CPR/FPR and First Aid skills.</li> <li>Understanding of medical terminology.</li> </ol>	<p><b>Assessment method</b></p> <ol style="list-style-type: none"> <li>Tracking of successful completers who advance to higher learning.</li> </ol>

Presented by...

NOV 09 2004

<b>Curriculum</b>  Courses.  Note: Prerequisites to courses must be included as program admission requirements, or listed as a requirement within the program.	<b>Semester</b>	<b>Course ID</b>	<b>Title</b>	<b>Credits</b>	<b>Pre/Coreqs</b>
	<b>Semester 1</b>	ENG 111	English Composition I	4.0	
		BIO 101 or	Concepts of Biology		
		BIO 102	Human Biology	4.0	
		MTH 097	Introductory Algebra	5.0	
			Total . . . . .	13.0	
<b>Semester 2</b>	HSC 101	Medical Terminology	1.0		
	HSC 131	CPR/FPR and First Aid	1.0		
	CEM 057/058	Introductory Chemistry	4.0		
	COM 101 or	Fundamentals of Speaking			
	COM 102	Interpersonal Communication	3.0		
	CIS 100	Intro to Software Applications	3.0		
			Total . . . . .	12.0	
			Certificate Total	25.0	
<b>Semester 3</b>					
<b>Semester 4</b>					
<b>Budget</b> Specify program costs in the following areas, per academic year: Faculty Training/travel Materials/resources Facilities/equipment Other	<b>Start-up costs</b> None – Combination and re-focusing of existing courses.  <b>Ongoing costs</b>				
<b>Program Information</b>	<b>Accreditation/Licensure -</b> <b>Advisors –</b> Sue Travis <b>Advisory Committee -</b> <b>Admission requirements –</b> College level entry assessment <b>Articulation agreements -</b> <b>Continuing eligibility requirements -</b>				

Reviewer	Print Name	Signature	Date
Department Chair/Area Director	Theresa Nestorak	<i>Theresa Nestorak</i>	4/8/04
Dean	Granville Lee	<i>Granville Lee</i>	4/8/04
Vice President of Instruction <input checked="" type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	Roger Palay	<i>Roger M. Palay</i>	4/16/04
President	Larry Whitworth	<i>Larry Whitworth</i>	4/127/04
Board Approval		<i>[Signature]</i>	4/27/04

*Rev  
4.5.04*



## Health Care Foundations (CTHCF)

### Certificate

Program Effective Term: Fall 2004

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This program will help students acquire basic knowledge and skills in algebra, biology, chemistry, communication, medical terminology, and computer applications. The certificate fulfills major preadmission requirements for Nursing, Radiography, and general education requirements for Associate in Science and Associate in Applied Science degrees.

<b>Major/Area Requirements</b>		<b>(25 credits)</b>
CEM 057	Introductory Chemistry	3
CEM 058	Introductory Chemistry Lab	1
CIS 100	Introduction to Software Applications	3
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
HSC 131	CPR/FPR and First Aid	1
MTH 097	Introductory Algebra	5
BIO 101 or	Concepts Of Biology	
BIO 102	Human Biology	4
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3

**Minimum Credits Required for the Program:** 25