



## HEALTH AND MEDICAL SCIENCES PROGRAMS - CATALOG YEAR 2015 - 2016

### Find the Right Educational Degree Plan

There are two distinctly different ways to pursue your education at HCC. Each pattern has its own particular purpose, and its own advantages and disadvantages. Read the descriptions carefully to make an informed choice. You must choose one of the two following patterns: The *Academic Transfer* pattern of education **OR** The *Workforce Career* pattern of education. For more information, visit our [College and Career Planner Guide](#).

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There are two distinctly different ways to pursue your education at HCC. Each pattern has its own particular purpose, and its own advantages and disadvantages. Read the descriptions carefully to make an informed choice. You must choose one of the two following patterns: The *Academic Transfer* pattern of education **OR** The *Workforce Career* pattern of education. For more information, visit our [College and Career Planner Guide](#).

#### SURGICAL TECHNOLOGY

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**HOUSTON COMMUNITY COLLEGE SYSTEM  
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION**

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NAME:	SID#:	TEL#:	EMAIL:	DATE:
COLLEGE:	COU/ADV:	TEL#:	EMAIL:	CAT YR: 8/15/15-8/14/16

**BIOLOGY - ASSOCIATE IN SCIENCE: BIOLOGY MAJORS & PRE MEDICAL PROGRAMS**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.		Biology majors and Pre-Professional programs such as Pre-Medical, Pre-Dental, Pre-Optometry, Physician's Assistant, Pre-Veterinary.							
<b>SUGGESTED 2 YEAR PLAN</b>									
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER - FALL</b>									
EDUC 1300 Learning Framework	3								
ENGL 1301 Composition I	3								
BIOL 1406 General Biology I	3								
MATH 2412 Precalculus	4								
CHEM 1411 General Chemistry I	4								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER - SPRING</b>									
ENGL 1302 Composition II	3								
BIOL 1407 General Biology II	3								
MATH 2413 Calculus I	4								
CHEM 1412 General Chemistry II	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER - FALL</b>									
HIST 1301 United States History to 1877*	3								
GOVT 2305 Federal Government <i>OR</i>									
GOVT 2306 Texas Government	3								
CHEM 2423 Organic Chemistry I	4								
PHYS 1401 College Physics I	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								

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**BIOLOGY - ASSOCIATE IN SCIENCE: BIOLOGY MAJORS & PRE MEDICAL PROGRAMS**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
(Continued from page 1)									
<b>SECOND YEAR</b>									
<b>SECOND SEMESTER - SPRING</b>									
BIOL #4## Biology Elective *	4								
HIST 1302 United States History after 1877*	3								
CHEM 2425 Organic Chemistry II	4								
PHYS 1402 College Physics II	4								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>PROGRAM TOTAL</b>	<b>60</b>								
* Biology option: Choose from BIOL 2406, 2416, or 2420.									

**ADDITIONAL COMMENTS & NOTES:**

**AS BIOLOGY (MODIFIED CORE CURRICULUM)**

Student Success course	EDUC 1300	3	
Written Communication	ENGL 1301-1302	6	
Mathematics	MATH 2412	4	
Life and Physical Science	BIOL 1406-1407	6	**Including labs
Language, Philosophy & Culture			*missing
American History		6	
Government	GOVT 2305 or 2306	3	*missing
Creative Arts			*missing
Social/Behavioral			*missing

**MAJOR PREREQUISITES**

MATH 2413	4
BIOL 2406, 2416, or 2420	4
CHEM 1411	4
CHEM 1412	4
CHEM 2423	4
CHEM 2425	4
PHYS 1401	4
PHYS 1402	4
*Missing 18 hours of Core Curriculum	<b>60</b>
**Includes labs that are required for University transfer	

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**BIOLOGY - ASSOCIATE IN SCIENCE: HEALTH SCIENCE PROFESSIONS**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>CONCENTRATIONS:</b>									
<b>A. PRE-NURSING</b>									
<b>B. PRE-RADIOLOGIC SCIENCES</b>									
<b>C. PRE-CLINICAL LABORATORY SERVICES</b>									
<b>SUGGESTED 2 YEAR PLAN</b>									
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER - FALL</b>									
EDUC 1300 Learning Framework	3								
ENGL 1301 Composition I	3								
BIOL 1406 General Biology I	4								
CHEM 1411 General Chemistry I	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>SECOND SEMESTER - SPRING</b>									
ENGL 1302 Composition II <i>OR</i>									
ENGL 2311 Technical and Industrial Correspondence and Report Writing	3								
<b>D. XXXX #3## Language, Philosophy and Culture Elective*</b>	4								
PSYC 2301 Introduction to Psychology	3								
<b>A. BIOL 2401 Anatomy and Physiology I</b>	4								
<b>B. BIOL 2401 Anatomy and Physiology I</b>									
<b>C. CHEM 1412 General Chemistry II</b>									
<b>A. MATH 1342 Statistics <i>OR</i></b>	3								
<b>PYSC 2317 Statistical Methods in Psychology</b>									
<b>B. MATH 2412 Precalculus <i>OR</i></b>									
<b>MATH 2413 Calculus I</b>									
<b>C. MATH 1314 College Algebra</b>									
<b>SEMESTER TOTAL</b>	<b>17</b>								

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**BIOLOGY - ASSOCIATE IN SCIENCE: HEALTH SCIENCE PROFESSIONS**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>CONCENTRATIONS:</b>									
<b>A. PRE-NURSING</b>									
<b>B. PRE-RADIOLOGIC SCIENCES</b>									
<b>C. PRE-CLINICAL LABORATORY SERVICES</b>									
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER - FALL</b>									
<b>E. XXX #3## American History Elective I **</b>	3								
GOVT 2305 Federal Government	3								
<b>A. BIOL 2402 Anatomy and Physiology II</b>	4								
<b>B. BIOL 2402 Anatomy and Physiology II</b>									
<b>C. BIOL 1407 General Biology II <u>OR</u></b>									
BIOL 2416 Genetics									
<b>A. BIOL 1322 Basic Nutrition</b>	3								
<b>B. PHYS 1401 College Physics I</b>									
<b>C. CHEM 2423 Organic Chemistry I</b>									
PSYC 2314 Human Growth and Development : Lifespan	3								
<b>SEMESTER TOTAL</b>	<b>16</b>								
<b>SECOND SEMESTER - SPRING</b>									
<b>A. BIOL 2420 Microbiology</b>									
<b>B. PHYS 1402 College Physics II</b>									
<b>C. CHEM 2425 Organic Chemistry II</b>	4								
GOVT 2306 Texas Government	3								
<b>F. XXXX #3## Creative Arts Elective***</b>	3								
<b>E. XXX #3## American History Elective II **</b>	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>PROGRAM TOTAL</b>	<b>60</b>								

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**BIOLOGY - ASSOCIATE IN SCIENCE: HEALTH SCIENCE PROFESSIONS**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				

**ADDITIONAL COMMENTS:**


**NOTES:**

- A.** Courses for the **PRE-NURSING** concentration are color coded in **GREEN**.
- B.** Courses for the **PRE-RADIOLOGIC SCIENCES** concentration are color coded in **YELLOW**.
- C.** Courses for the **PRE-CLINICAL LABORATORY SERVICES** concentration are color coded in **BLUE**.
- D.** Language, Philosophy and Culture Elective (*choose one*)                      3 hrs \*  
     **ENGL** 2307, 2308, 2322, 2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2351, 2353, 2374, **PHIL** 1301, 1304, 2307, 2316, 2317, 2321; **HUMA** 1301, 1305, 2319, 2323
- E.** American History Elective (*choose two*)    6 hrs \*\*  
     **HIST** 1301, 1302, 2301, 2328, 2381
- F.** Creative Arts Elective (*choose one*)    3 hrs \*\*\*  
     **ARTS** 1301, 1303, 1304, 1311, 1312, 1316, 1317, 2316, 2317, 2323, 2324, 2326, 2327, 2333, 2334, 2341, 2342, 2346, 2347, 2348, 2349, 2356, 2357, 2366, 2367

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**ALLIED HEALTH - AAS - DENTAL ASSISTING TRACK**

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
<b>SEMESTER TOTAL</b>	<b>2</b>								
<b>FIRST SEMESTER</b>									
DNTA 1245 Preventive Dentistry	2								
DNTA 1411 Dental Science	4								
DNTA 1401 Dental Materials	4								
DNTA 1415 Chairside Assisting	4								
DNTA 1305 Dental Radiology	3								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER</b>									
DNTA 1447 Advanced Dental Science	4								
DNTA 1351 Dental Office Management	3								
DNTA 1453 Dental Assisting Applications	4								
DNTA 1349 Dental Radiology in the Clinic	3								
DNTA 1167 Practicum (or Field Experience) - Dental Assisting/Assistant	1								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>THIRD SEMESTER</b>									
DNTA 2130 Seminar for the Dental Assistant	1								
DNTA 1102 Communication and Behavior in the Dental Office	1								
DNTA 2267 Practicum (or Field Experience) - Dental Assisting/Assistant	2								
<b>SEMESTER TOTAL</b>	<b>4</b>								

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**ALLIED HEALTH - AAS - MEDICAL ASSISTANT TRACK**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>FIRST YEAR</b>									
<b>SECOND SUMMER SESSION</b>									
HPRS 1201 Introduction to Health Professions	2								
ENGL 1301 Composition I	3								
<b>SEMESTER TOTAL</b>	<b>5</b>								
<b>FIRST SEMESTER</b>									
MDCA 1409 Anatomy and Physiology for Medical Assistants	4								
MDCA 1343 Medical Insurance	3								
MDCA 1213 Medical Terminology	2								
MDCA 1352 Medical Assistant Laboratory Procedures	3								
MDCA 1417 Procedures in a Clinical Setting	4								
<b>SEMESTER TOTAL</b>	<b>16</b>								
<b>SECOND SEMESTER</b>									
ECRD 1211 Electrocardiography	2								
MDCA 1321 Administrative Procedures	3								
MDCA 1448 Pharmacology & Administration of Medications	4								
MDCA 1310 Medical Assistant Interpersonal and Communication Skills	3								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>THIRD SEMESTER</b>									
HPRS 1304 Basic Health Profession Skills	3								
MDCA 1254 Medical Assisting Credentialing Exam Review	2								
MDCA 1305 Medical Law and Ethics	3								
MDCA 1264 Practicum (or Field Experience) - Medical/Clinical Assistant	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								

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**ALLIED HEALTH - AAS - PHARMACY TECHNICIAN TRACK**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
PHRA 1301 Introduction to Pharmacy	3								
<b>SEMESTER TOTAL</b>	<b>5</b>								
<b>FIRST SEMESTER</b>									
PHRA 1305 Drug Classification	3								
PHRA 1309 Pharmaceutical Mathematics I	3								
PHRA 1413 Community Pharmacy Practice	4								
PHRA 1272 Professional Practices for Pharmacy Technicians	2								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>SECOND SEMESTER</b>									
PHRA 1449 Institutional Pharmacy Practice	4								
PHRA 1445 Compounding Sterile Preparations and Aseptic Technique	4								
PHRA 1247 Pharmaceutical Mathematics II	2								
PHRA 1304 Pharmacotherapy and Disease Process	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>THIRD SEMESTER</b>									
PHRA 1261 Clinical - Pharmacy Technician/Assistant	2								
PHRA 2260 Clinical - Pharmacy Technician Assistant	2								
PHRA 2261 Clinical - Pharmacy Technician Assistant	2								
PHRA 1243 Pharmacy Technician Certification Review	2								
<b>SEMESTER TOTAL</b>	<b>8</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
ENGL 1301 Composition I	3								
XXXX #4## Natural Science/General Education Elective	4								

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**DENTAL HYGIENE - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
TSI testing is required prior to first enrollment.									
<b>PREREQUISITE</b>									
CHEM 1305 Introductory Chemistry I	3								
BIOL 2401 Anatomy and Physiology I	4								
ENGL 1301 Composition I	3								
SOCI 1301 Introduction to Sociology	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
DHYG 1331 Preclinical Dental Hygiene	3								
DHYG 1304 Dental Radiology	3								
DHYG 1227 Preventive Dental Hygiene Care	2								
DHYG 1301 Orofacial Anatomy, Histology & Embryology	3								
BIOL 2402 Anatomy and Physiology II	4								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>SECOND SEMESTER</b>									
DHYG 1260 Clinical-Dental Hygiene/Hygienist	2								
DHYG 1339 General and Oral Pathology	3								
DHYG 2201 Contemporary Dental Hygiene Care I	2								
DHYG 1319 Dental Materials	3								
BIOL 2420 Microbiology	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
DHYG 1211 Periodontology	2								
DHYG 1235 Pharmacology for the Dental Hygienist	2								
DHYG 1215 Community Dentistry	2								

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**DENTAL ASSISTING - CERTIFICATE: LEVEL I**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
<b>PREREQUISITE</b>									
HPRS 1201 Introduction to Health Professions	2								
<b>SEMESTER TOTAL</b>	<b>2</b>								
<b>FIRST SEMESTER</b>									
DNTA 1245 Preventive Dentistry	2								
DNTA 1411 Dental Science	4								
DNTA 1401 Dental Materials	4								
DNTA 1415 Chairside Assisting	4								
DNTA 1305 Dental Radiology	3								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER</b>									
DNTA 1447 Advanced Dental Science	4								
DNTA 1351 Dental Office Management	3								
DNTA 1453 Dental Assisting Applications	4								
DNTA 1349 Dental Radiology in the Clinic	3								
DNTA 1167 Practicum - Dental Assistant	1								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>THIRD SEMESTER</b>									
DNTA 2130 Seminar for the Dental Assistant	1								
DNTA 1102 Communication and Behavior in the Dental Office	1								
DNTA 2267 Practicum - Dental Assistant	2								
<b>SEMESTER TOTAL</b>	<b>4</b>								
<b>PROGRAM TOTAL</b>	<b>38</b>								

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**DIAGNOSTIC MEDICAL SONOGRAPHY - ADVANCED TECHNICAL CERTIFICATE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
DMSO 1210 Introduction to Sonography	2								
DMSO 1441 Introduction to Abdominopelvic Sonography	4								
DMSO 1202 Basic Ultrasound Physics	2								
DMSO 1355 Sonographic Pathophysiology	3								
DMSO 1451 Sonographic Sectional Anatomy	4								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>SECOND SEMESTER</b>									
DMSO 2441 Sonography of Abdominopelvic Pathology	4								
DMSO 2405 Sonography of Obstetrics/Gynecology	4								
DMSO 1342 Intermediate Ultrasound Physics	3								
DMSO 1266 Sonographic Practicum I	2								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>THIRD SEMESTER</b>									
DMSO 2351 Doppler Physics	3								
DMSO 2342 Sonography of High Risk Obstetrics	3								
DMSO 2253 Sonography of Superficial Structures	2								
DMSO 2266 Practicum (or Field Experience) - Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
DMSO 2243 Advanced Ultrasound Principles and Instrumentation	2								
DMSO 2130 Advanced Ultrasound and Review	1								
DMSO 2467 Practicum (or Field Experience) - Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	4								
<b>SEMESTER TOTAL</b>	<b>7</b>								
<b>PROGRAM TOTAL</b>	<b>45</b>								

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**EMERGENCY MEDICAL SERVICES - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
EMSP 1501 Emergency Medical Technician-Basic	5								
EMSP 1160 Clinical-Emergency Medical Technology/Tech	1								
EMSP 2205 EMS Operations.	2								
EMSP 1338 Introduction to Advanced Practice	3								
EMSP 1356 Patient Assessment and Airway Management	3								
EMSP 1355 Trauma Management	3								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER</b>									
EMSP 1263 Clinical-Emergency Medical Technology/Tech	2								
EMSP 2306 Emergency Pharmacology	3								
EMSP 2444 Cardiology	4								
EMSP 2160 Clinical-Emergency Medical EMT Paramedic	1								
BIOL 2401 Anatomy and Physiology I*/**	4								
XXXX #3## General Education Elective	3								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
EMSP 2434 Medical Emergencies	4								
EMSP 2261 Clinical-Emergency Medical EMT Paramedic	2								
EMSP 2330 Special Populations	3								
BIOL 2402 Anatomy and Physiology II*	4								
XXXX #3## Social Science General Ed.Elect.*	3								
<b>SEMESTER TOTAL</b>	<b>16</b>								
<b>SECOND SEMESTER</b>									
EMSP 2262 Clinical-Emergency Medical EMT Paramedic	2								
EMSP 2243 Assessment Based Management***	2								
EMSP 1191 Special Topics in EMS	1								
XXXX #3## Humanities/General Education Elective*	3								
EMSP 2252 EMS Research	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>PROGRAM TOTAL</b>	<b>60</b>								

\*Maybe taken prior to admission \*\*\*Capstone

\*\*BIOL 1406 is strongly recommended prior to BIOL 2401

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**EMERGENCY MEDICAL SERVICES - EMERGENCY MEDICAL SERVICES-PARAMEDIC - CERTIFICATE: LEVEL II**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
EMSP 1501 Emergency Medical Technician-Basic	5								
EMSP 1160 Clinical-Emergency Medical Technology/Tech.	1								
EMSP 2205 EMS Operations	2								
EMSP 1338 Introduction to Advanced Practice	3								
EMSP 1356 Patient Assessment and Airway Management	3								
EMSP 1355 Trauma Management	3								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER</b>									
EMSP 1263 Clinical-Emergency Medical Technology/Tech	2								
EMSP 2306 Emergency Pharmacology	3								
EMSP 2444 Cardiology	4								
EMSP 2160 Clinical-Emergency Medical EMT Paramedic	1								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
EMSP 2434 Medical Emergencies	4								
EMSP 2261 Clinical-Emergency Medical EMT Paramedic	2								
EMSP 2330 Special Populations	3								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>SECOND SEMESTER</b>									
EMSP 2262 Clinical-Emergency Medical EMT Paramedic	2								
EMSP 2243 Assessment Based Management	2								
<b>SEMESTER TOTAL</b>	<b>4</b>								
<b>PROGRAM TOTAL</b>	<b>40</b>								





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**HEALTH INFORMATION TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITES</b>									
HPRS 1201 Introduction to Health Professions	2								
BIOL 2404 Anatomy and Physiology	4								
ENGL 1301 English Composition I*	3								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
HITT 1301 Health Data Content and Structure	3								
HITT 1166 Health Information Practicum I	1								
POFI 1301 Computer Applications I	3								
XXXX #3## Humanities/Fine Arts General Ed. Elective*	3								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>SECOND SEMESTER</b>									
HITT 1305 Medical Terminology	3								
HITT 1345 Health Care Delivery Systems	3								
HITT 1167 Health Information Practicum II	1								
HITT 1255 Health Care Statistics	2								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>THIRD SEMESTER</b>									
HITT 1349 Pharmacology	3								
HPRS 2301 Pathophysiology	3								
<b>SEMESTER TOTAL</b>	<b>6</b>								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
HITT 1341 Coding and Classification Systems	3								
<b>(Continued on page 2)</b>									

\* May be taken prior to admission.  
\*\* BIOL 1406 is strongly recommended prior to BIOL 2401.



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**HEALTH INFORMATION TECHNOLOGY - HEALTH INFORMATION CODING - CERTIFICATE: LEVEL II**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITES</b>									
This block of courses may be completed prior to admission to the program									
BIOL 2401 Anatomy and Physiology I *	4								
BIOL 2402 Anatomy and Physiology II	4								
<b>SEMESTER TOTAL</b>	<b>8</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
HITT 1301 Health Data Content and Structure	3								
HITT 1349 Pharmacology	3								
HITT 1305 Medical Terminology	3								
<b>SEMESTER TOTAL</b>	<b>11</b>								
<b>SECOND SEMESTER</b>									
HITT 1445 Health Care Delivery Systems	4								
HITT 1341 Coding and Classification Systems	3								
HITT 1353 Legal and Ethical Aspects of Health Information	3								
HPRS 2301 Pathophysiology	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>THIRD SEMESTER</b>									
HITT 2435 Coding and Reimbursement Methodologies	4								
HITT 1311 Computers in Health Care	3								
POFI 1301 Computer Applications I	3								
HITT 2340 Advanced Medical Billing and Reimbursement	3								
HITT 2167 Health Information Practicum III	1								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>PROGRAM TOTAL</b>	<b>46</b>								

\* BIOL 1406 is strongly recommended prior to BIOL 2401.



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**HISTOLOGIC TECHNICIAN - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITE SEMESTER</b>	<b>12</b>								
HPRS 1201 Introduction to Health Professions	2								
MATH 1314 College Algebra*	3								
ENGL 1301 Composition I*	3								
BIOL 1406 General Biology I*	4								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>	<b>14</b>								
CHEM 1411 General Chemistry I ** <u>OR</u>									
CHEM 1413 College Chemistry I <u>OR</u>									
CHEM 1405 Introduction to Chemistry	4								
HLAB 1305 Functional Histology I	3								
BIOL 2401 Anatomy and Physiology I	4								
HLAB 1301 Introduction to Histotechnology	3								
<b>SECOND SEMESTER</b>	<b>14</b>								
HLAB 1402 Histotechnology I	4								
BIOL 2402 Anatomy and Physiology II*	4								
XXXX #3## Approved Social/Behavioral Science. Elect.*	3								
HLAB 1346 Functional Histology II	3								
<b>THIRD SEMESTER</b>	<b>6</b>								
HLAB 1266 Practicum (or Field Experience) - Histologic Technology/Histotechnologist	2								
HLAB 1443 Histotechnology II	4								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>	<b>9</b>								
HLAB 1267 Practicum (or Field Experience) - Histologic Technology/Histotechnologist	2								
HLAB 2434 Histotechnology III	4								
XXXX #3## Humanities/Fine Arts Elective*	3								
<b>SECOND SEMESTER</b>	<b>5</b>								
HLAB 1268 Practicum (or Field Experience) - Histologic Technology/Histotechnologist	2								
HLAB 2341 Registry Review	3								
<b>PROGRAM TOTAL</b>	<b>60</b>								

\*Maybe taken prior to admission. \*\*Recommended for transfer.

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**MEDICAL/CLINICAL ASSISTANT - MEDICAL ASSISTANT - CERTIFICATE: LEVEL II**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
ENGL 1301 Composition I	3								
<b>SEMESTER TOTAL</b>	<b>5</b>								
<b>FIRST SEMESTER</b>									
MDCA 1409 Anatomy and Physiology for Medical Assistants	4								
MDCA 1213 Medical Terminology	2								
MDCA 1343 Medical Insurance	3								
MDCA 1352 Medical Assistant Laboratory Procedures	3								
MDCA 1417 Procedures in a Clinical Setting	4								
<b>SEMESTER TOTAL</b>	<b>16</b>								
<b>SECOND SEMESTER</b>									
MDCA 1321 Administrative Procedures	3								
ECRD 1211 Electrocardiography	2								
MDCA 1448 Pharmacology & Administration of Medications	4								
MDCA 1310 Medical Assistant Interpersonal and Communication Skills	3								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>THIRD SEMESTER</b>									
MDCA 1254 Medical Assisting Credential Exam Review	2								
MDCA 1305 Medical Law and Ethics	3								
HPRS 1304 Basic Health Profession Skills	3								
MDCA 1264 Practicum (or Field Experience) - Medical/ Clinical Assistant	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>PROGRAM TOTAL</b>	<b>43</b>								



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**MEDICAL LABORATORY TECHNICIAN - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITES</b>									
HPRS 1201 Introduction to Health Professions	2								
MATH 1314 College Algebra	3								
ENGL 1301 Composition I	3								
<b>SEMESTER TOTAL</b>	<b>8</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
BIOL 2404 Anatomy and Physiology	4								
CHEM 1405 Introductory Chemistry I <i>OR</i>									
CHEM 1411 General Chemistry I <i>OR</i>									
CHEM 1413 College Chemistry I	4								
MLAB 1211 Urinalysis and Body Fluids	2								
MLAB 1270 Hematology I	2								
MLAB 1101 Introduction to Clinical Laboratory Science	1								
MLAB 1235 Immunology/Serology	2								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>SECOND SEMESTER</b>									
MLAB 1271 Hematology II	2								
MLAB 1127 Coagulation	1								
MLAB 2331 Immunohematology	3								
MLAB 2270 Clinical Chemistry I	2								
<b>SEMESTER TOTAL</b>	<b>8</b>								
<b>THIRD SEMESTER</b>									
BIOL 2420 Microbiology*	4								
PLAB 1173 Phlebotomy	1								
MLAB 2271 Clinical Chemistry II	2								
<b>SEMESTER TOTAL</b>	<b>7</b>								

\*Maybe taken prior to admission

\*\*BIOL 1406 is strongly recommended prior to BIOL 2401

\*\*\* Recommended for transfer

(Continued on page 2)





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**NUCLEAR MEDICINE TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment									
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>	<b>18</b>								
BIOL 2401 Anatomy and Physiology I <b>*/**</b>	4								
BIOL 2402 Anatomy and Physiology II <b>*/**</b>	4								
CHEM 1405 Introductory Chemistry I <b>*</b>	4								
MATH 1314 College Algebra	3								
SCIT 1320 Physics for Allied Health	3								
<b>FIRST SEMESTER</b>	<b>9</b>								
NMTT 1211 Nuclear Medicine Patient Care	2								
NMTT 1301 Introduction to Nuclear Medicine	3								
NMTT 1166 Practicum I-Nuclear Medicine Technology	1								
XXXX #3## Humanities/Fine Arts Elective	3								
<b>SECOND SEMESTER</b>	<b>11</b>								
NMTT 1409 Nuclear Medicine Instrumentation	4								
NMTT 1267 Practicum II-Nuclear Medicine Technology	2								
RADR 2340 Sectional Anatomy for Medical Imaging	3								
NMTT 2201 Radiochemistry and Radiopharmacy	2								
<b>THIRD SEMESTER</b>	<b>4</b>								
NMTT 2309 Nuclear Medicine Methodology II	3								
NMTT 2167 Practicum III-Nuclear Medicine Technology	1								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>	<b>12</b>								
NMTT 2413 Nuclear Medicine Methodology III	4								
NMTT 2266 Practicum IV-Nuclear Medicine Technology	2								
ENGL 1301 Composition I	3								
XXXX #3## Approved Social Science Elective	3								
<b>SECOND SEMESTER</b>	<b>6</b>								
CTMT 2336 Computed Tomography Equip. & Methodology	3								
NMTT 2367 Practicum V-Nuclear Medicine Technology	3								
<b>PROGRAM TOTAL</b>	<b>60</b>								

\*May be taken prior to admission. \*\*BIOL 2401 would be taken Summer I  
 (\*\* BIOL 1406 is strongly recommended prior to BIOL 2401) \*\*BIOL 2402 would be taken Summer II

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**NURSING - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
TSI testing is required prior to first enrollment.									
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
ENGL 1301 Composition I	3								
BIOL 2401 Anatomy and Physiology I*	4								
PSYC 2301 Introduction to Psychology	3								
BIOL 2420 Microbiology	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>FIRST SEMESTER</b>									
RNSG 1413 Foundations for Nursing Practice	4								
RNSG 1201 Pharmacology	2								
RNSG 1360 Clinical Nursing-RNT-Foundations	3								
RNSG 1105 Nursing Skills I	1								
BIOL 2402 Anatomy and Physiology II	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>SECOND SEMESTER</b>									
RNSG 1341 Common Concepts of Adult Health	3								
RNSG 2360 Clinical Nursing-RNT-Adult I	3								
RNSG 2201 Care of Children and Families	2								
RNSG 2261 Clinical - Registered Nursing/Registered Nurse	2								
PSYC 2314 Human Growth & Development Life Span	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>THIRD SEMESTER</b>									
RNSG 1160 Clinical - Registered Nursing/Registered Nurse	1								
RNSG 1251 Care of the Childbearing Family	2								
RNSG 2213 Mental Health Nursing	2								
(Continued on page 2)									

\*BIOL 1406 is strongly recommended prior to BIOL 2401.

\*\*Must be taken immediately prior to admission.



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**VOCATIONAL NURSING - VOCATIONAL NURSING - CERTIFICATE: LEVEL I**

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
	hr	Institution	Course	Transfer (TR)	Comment/Disapproval			Signature	
TSI testing is required prior to first enrollment.									
<b>PREREQUISITES</b>	<b>5</b>								
VNSG 1216 Nutrition	2								
VNSG 1320 Anatomy and Physiology for Allied Health	3								
<b>FIRST SEMESTER</b>	<b>12</b>								
VNSG 1400 Nursing in Health and Illness I	4								
VNSG 1122 Vocational Nursing Concepts	1								
VNSG 1227 Essentials of Medication Administration	2								
VNSG 1423 Basic Nursing Skills	4								
VNSG 1161 Clinical-Licensed Vocational Nurse (Practical Nursing I)	1								
<b>SECOND SEMESTER</b>	<b>15</b>								
VNSG 1330 Maternal-Neonatal Nursing	3								
VNSG 1162 Clinical-Licensed Vocational Nurse (Practical Nursing II)	1								
VNSG 1266 Practicum I-Licensed Vocational Nurse (Practical Nurse I)	2								
VNSG 1409 Nursing in Health and Illness II	4								
VNSG 2331 Advanced Nursing Skills	3								
VNSG 1238 Mental Illness	2								
<b>THIRD SEMESTER</b>	<b>12</b>								
VNSG 1219 Leadership and Professional Development	2								
VNSG 1163 Clinical-Licensed Vocational Nurse (Practical Nursing III)	1								
VNSG 1334 Pediatrics	3								
VNSG 1410 Nursing in Health and Illness III	4								
VNSG 1267 Practicum II-Licensed Vocational Nurse (Practical Nurse II)	2								
<b>PROGRAM TOTAL</b>	<b>44</b>								

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**NURSING - ASSOCIATE IN APPLIED SCIENCE -TRANSITION PROGRAM: LICENSED VOCATIONAL NURSE TO REGISTERED NURSE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITES</b>									
VNSG 1400 Nursing in Health and Illness I	4								
VNSG 1227 Essentials of Medication Administration	2								
VNSG 1409 Nursing in Health and Illness II	4								
BIOL 2401 Anatomy and Physiology I*	4								
BIOL 2402 Anatomy and Physiology II	4								
ENGL 1301 Composition I	3								
PSYC 2301 Introduction to Psychology	3								
XXXX #3## Approved Humanities/Fine Arts Elective	3								
BIOL 2420 Microbiology	4								
PSYC 2314 Human Growth and Development: Lifespan	3								
<b>PREREQUISITE SEMESTER TOTAL</b>	<b>34</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
RNSG 1215 Health Assessment	2								
RNSG 1327 Transition from Vocational Nursing to Professional Nursing	3								
RNSG 1163 Clinical Nursing-RNT-Transition	1								
RNSG 2201 Care of Children and Families	2								
RNSG 2261 Clinical - Registered Nursing/Registered Nurse	2								
RNSG 2213 Mental Health Nursing	2								
RNSG 2160 Clinical - Registered Nursing/Registered Nurse	1								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>SECOND SEMESTER</b>									
RNSG 1144 Nursing Skills II	1								
RNSG 1251 Care of the Childbearing Family	2								
RNSG 1161 Clinical - Registered Nursing/Registered Nurse	1								
<b>(Continued on page 2)</b>									

\* BIOL 1406 is strongly recommended prior to BIOL 2401

\*\*Must be taken immediately prior to admission



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**OCCUPATIONAL THERAPY ASSISTANT - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>TSI testing is required prior to first enrollment.</b>									
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
ENGL 1301 English Composition I	3								
PSYC 2301 Introduction to Psychology	3								
BIOL 2401 Anatomy & Physiology	4								
OTHA 1201 Introduction to Occupational Therapy	2								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>FIRST SEMESTER</b>									
OTHA 1305 Principles of Occupational Therapy	3								
OTHA 1309 Human Structure and Function in Occupational Therapy	3								
OTHA 1315 Therapeutic Use of Occupations or Activities I	3								
PSYC 2314 Human Growth and Development: Lifespan	3								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>SECOND SEMESTER</b>									
OTHA 2301 Pathophysiology in Occupational Therapy	3								
OTHA 2311 Abnormal Psychology in Occupational Therapy	3								
OTHA 1319 Therapeutic Interventions I	3								
OTHA 1241 Occupational Performance from Birth through Adolescence	2								
<b>SEMESTER TOTAL</b>	<b>11</b>								
<b>THIRD SEMESTER</b>									
OTHA 2302 Therapeutic Use of Occupations or Activities II	3								
OTHA 2305 Therapeutic Interventions II	3								
XXXX #3## Humanities/Fine Arts/General Educ. Elective	3								
<b>SEMESTER TOTAL</b>	<b>9</b>								

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**PHARMACY TECHNICIAN - CERTIFICATE: LEVEL II**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>PREREQUISITE SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
PHRA 1301 Introduction to Pharmacy	3								
<b>SEMESTER TOTAL</b>	<b>5</b>								
<b>FIRST SEMESTER</b>									
PHRA 1305 Drug Classification	3								
PHRA 1309 Pharmaceutical Mathematics I	3								
PHRA 1413 Community Pharmacy Practice	4								
PHRA 1272 Professional Practices for Pharmacy Technicians	2								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>SECOND SEMESTER</b>									
PHRA 1449 Institutional Pharmacy Practice	4								
PHRA 1304 Pharmacotherapy and Disease Process	3								
PHRA 1445 Compounding Sterile Preparations and Aseptic Techniques	4								
PHRA 1247 Pharmaceutical Mathematics II	2								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>THIRD SEMESTER</b>									
PHRA 1261 Clinical - Pharmacy Technician/Assistant	2								
PHRA 2260 Clinical - Pharmacy Technician/Assistant	2								
PHRA 2261 Clinical - Pharmacy Technician/Assistant	2								
PHRA 1243 Pharmacy Technician Certification Review	2								
<b>SEMESTER TOTAL</b>	<b>8</b>								
<b>PROGRAM TOTAL</b>	<b>38</b>								

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**PHYSICAL THERAPIST ASSISTANT - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment									
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>	<b>16</b>								
PTHA 1301 The Profession of Physical Therapy	3								
BIOL 2401 Anatomy and Physiology I **	4								
PTHA 1305 Basic Patient Care Skills	3								
PTHA 1413 Functional Anatomy	4								
PTHA 1229 Applied Physical Principles	2								
<b>SECOND SEMESTER</b>	<b>16</b>								
HPRS 2232 Health Care Communications	2								
PTHA 1321 Pathophysiology	3								
PTHA 1431 Physical Agents	4								
PTHA 2301 Essentials of Data Collection	3								
BIOL 2402 Anatomy and Physiology II*	4								
<b>THIRD SEMESTER</b>	<b>7</b>								
PTHA 2205 Neurology	2								
PTHA 2509 Therapeutic Exercise	5								
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>	<b>13</b>								
PTHA 1266 Practicum I Physical Therapist Assistant	2								
ENGL 1301 Composition I	3								
PTHA 2435 Rehabilitation Techniques	4								
PTHA 2431 Management of Neurological Disorders	4								
<b>SECOND SEMESTER</b>	<b>14</b>								
PSYC 2314 Human Growth and Developmet: Lifespan*	3								
PTHA 1267 Practicum II Physical Therapist Assistant	2								
PTHA 2266 Practicum III Pysical Therapist Assistant	2								
PTHA 2250 Current Concepts in Physical Therapy	2								
XXXX #3## Humanities/Fine Arts General Ed. Elective*	3								
PTHA 2239 Professional Issues	2								
<b>PROGRAM TOTAL</b>	<b>66</b>								

\*May be taken prior to admission

\*\* BIOL 1406 is strongly recommended prior to BIOL 2401 (taken within five years or department approval).

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**RADIOGRAPHY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
<b>PREREQUISITE SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
MATH 1314 College Algebra	3								
ENGL 1301 Composition I	3								
BIOL 2401 Anatomy and Physiology I	4								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
RADR 1303 Patient Care	3								
RADR 1313 Principles of Radiographic Imaging I	3								
RADR 1411 Basic Radiographic Procedures	4								
RADR 1160 Clinical - Radiologic Technology/ Science- Radiographer	1								
XXXX #3## Approved Humanities/Fine Arts Elective	3								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>SECOND SEMESTER</b>									
RADR 2309 Radiographic Imaging Equipment	3								
RADR 2401 Intermediate Radiographic Procedures	4								
RADR 1266 Practicum (or Field Experience) Radiologic Technology/Science Radiographer									
Science - Radiographer	2								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>THIRD SEMESTER</b>									
RADR 2260 Clinical - Radiologic Technology/Science - Radiographer	2								
RADR 2331 Advanced Radiographic Procedures	3								
<b>SEMESTER TOTAL</b>	<b>5</b>								

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**RADIOGRAPHY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
RADR 2333 Advanced Medical Imaging	3								
RADR 2366 Practicum (or Field Experience) - Radiologic Technology/Science- Radiographer	3								
PSYC 2301 Intro to Psychology <b><i>OR</i></b>									
SOCI 1301 Intro to Sociology	3								
RADR 2340 Sectional Anatomy for Medical Imaging	3								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>SECOND SEMESTER</b>									
RADR 2217 Radiographic Pathology	2								
RADR 2367 Practium (or Field Experience) - Radiologic Technology/Science- Radiographer	3								
RADR 2213 Radiation Biology and Protection	2								
<b>SEMESTER TOTAL</b>	<b>7</b>								
<b>THIRD SEMESTER</b>									
RADR 2335 Radiologic Technology Seminar**	3								
RADR 2167 Practium- Radiologic Technology/ Science- Radiographer**	1								
<b>SEMESTER TOTAL</b>	<b>4</b>								
<b>PROGRAM TOTAL</b>	<b>63</b>								
**Capstone									

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**COMPUTED TOMOGRAPHY- ENHANCED SKILLS CERTIFICATE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
<b>FIRST SEMESTER</b>									
RADR 2340 Sectional Anatomy for Medical Imaging	3								
CTMT 2336 Computed Tomography Equipment and Methodology	3								
CTMT 2460 Clinical- Radiologic Technology/ Science- Radiographer	4								
CTMT 2461 Clinical- Radiologic Technology/ Science- Radiographer	4								
<b>SEMESTER TOTAL</b>	<b>14</b>								
<b>PROGRAM TOTAL</b>	<b>14</b>								

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**RESPIRATORY THERAPIST - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to first enrollment.									
The following courses must be completed prior to admission to the program.									
<b>FIRST YEAR</b>									
<b>PREREQUISITE SEMESTER</b>									
RSPT 1201 Introduction to Respiratory Care	2								
BIOL 2404 Introduction to Human Anatomy & Physiology	4								
MATH 1314 College Algebra	3								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>FIRST SEMESTER</b>									
RSPT 2258 Respiratory Care Patient Assessment	2								
RSPT 1310 Respiratory Care Procedures I	3								
RSPT 1360 Clinical- Respiratory Care Therapy/Therapist	3								
RSPT 1240 Advanced Cardiopulmonary Anatomy and Physiology	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>SECOND SEMESTER</b>									
RSPT 1311 Respiratory Care Procedures II	3								
RSPT 1361 Clinical- Respiratory Care Therapy/Therapist	3								
RSPT 1225 Respiratory Care Sciences	2								
RSPT 1213 Basic Respiratory Care Pharmacology	2								
<b>SEMESTER TOTAL</b>	<b>10</b>								
<b>THIRD SEMESTER (SUMMER)</b>									
RSPT 1262 Clinical - Respiratory Care Therapy / Therapist	2								
RSPT 2314 Mechanical Ventilation	3								
ENGL 1301 Composition I	3								
<b>SEMESTER TOTAL</b>	<b>8</b>								

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### RESPIRATORY THERAPIST - ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
<b>SECOND YEAR</b>									
<b>FIRST SEMESTER</b>									
RSPT 2361 Clinical - Respiratory Care Therapy/Therapist	3								
RSPT 2255 Critical Care Monitoring	2								
RSPT 2210 Cardiopulmonary Disease	2								
XXXX #3## Social/Behavioral Science/General Ed. Elective	3								
XXXX #3## Approved Humanities/Fine Arts Elective	3								
<b>SEMESTER TOTAL</b>	<b>13</b>								
<b>SECOND SEMESTER</b>									
RSPT 2362 Clinical - Respiratory Care Therapy/Therapist	3								
RSPT 2325 Cardiopulmonary Diagnostics	3								
RSPT 2353 Neonatal/Pediatric Cardiopulmonary Care	3								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>THIRD SEMESTER (SUMMER)</b>									
RSPT 2262 Clinical - Respiratory Care Therapy/Therapist	2								
RSPT 2230 Respiratory Care Examination Preparation	2								
RSPT 2239 Advanced Cardiac Life Support	2								
<b>SEMESTER TOTAL</b>	<b>6</b>								
<b>PROGRAM TOTAL</b>	<b>65</b>								



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### SURGICAL TECHNOLOGY - SURGICAL TECHNOLOGY - CERTIFICATE: LEVEL I

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval Signature	Date
	hr	Institution	Course	Transfer (TR)	Comment/Disapproval				
<b>PREREQUISITE</b>									
HPRS 1201 Introduction to Health Professions	2								
<b>PREREQUISITE TOTAL</b>	<b>2</b>								
<b>FIRST SEMESTER</b>									
HPRS 1206 Medical Terminology	2								
SRGT 1361 Clinical - Surgical Technology/Technologist	3								
SRGT 1409 Fundamentals of Aseptic Techniques	4								
SRGT 1405 Introduction to Surgical Technology	4								
SCIT 1407 Human Anatomy and Physiology I	4								
<b>SEMESTER TOTAL</b>	<b>17</b>								
<b>SECOND SEMESTER</b>									
SCIT 1408 Human Anatomy and Physiology II	4								
SRGT 1441 Surgical Procedures I	4								
SRGT 1463 Clinical - Surgical Technology/Technologist	4								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>THIRD SEMESTER</b>									
SRGT 1442 Surgical Procedures II	4								
SRGT 2463 Clinical - Surgical Technology/Technologist	4								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>PROGRAM TOTAL</b>	<b>46</b>								











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**SURGICAL TECHNOLOGY - RENAL DIALYSIS TECHNICIAN - CERTIFICATE: LEVEL I**

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
<b>FIRST YEAR</b>									
<b>FIRST SEMESTER</b>									
HPRS 1201 Introduction to Health Professions	2								
VNSG 1216 Nutrition	2								
VNSG 1320 Anatomy and Physiology for Allied Health	3								
VNSG 1423 Basic Nursing Skills	4								
HITT 1205 Medical Terminology I	2								
DYTC 1270 Clinical - Renal Dialysis Technician I	2								
<b>SEMESTER TOTAL</b>	<b>15</b>								
<b>SECOND SEMESTER</b>									
DYTC 2470 Principles of Renal Dialysis I	4								
DYTC 2471 Renal Failure and Support Therapies and Hemodialysis Lab Procedures	4								
DYTC 2472 Clinical -Renal Dialysis Technician II	4								
<b>SEMESTER TOTAL</b>	<b>12</b>								
<b>THIRD SEMESTER</b>									
DYTC 2473 Principles of Renal Dialysis II	4								
DYTC 2474 Clinical - Renal Dialysis Technician III	4								
DYTC 2170 Renal Dialysis Professional Readiness	1								
<b>SEMESTER TOTAL</b>	<b>9</b>								
<b>PROGRAM TOTAL</b>	<b>36</b>								