## PRE-HEALTH TRACKS

Health Sciences Pathway CCD.edu/pre-health

## **Associate of Science Pre-Health Tracks**

Students pursuing a CCD Selective Admission Health Sciences program begin their studies by completing a set of pre-requisite courses. The Associate of Sciences Health Sciences tracks ensure students complete the required pre-requisite courses before applying, streamlining their transition into specialized areas of study. They are also aligned to the requirements for the General Associate of Science degree without concentration, so students can either continue with the degree or complete a general Associate Degree or easily convert to a related major should they decide not to enroll in a selective Health Science program. Students should choose the track that corresponds to the Health Science program they would like to pursue upon completion of the required prerequisites.

Course maps and pre-requisites can be found below. By taking these initial steps, students can position themselves for success in their chosen health sciences career paths.

Credits

- Dental Hygiene
- · Practical Nursing
- · Radiologic Technology
- Surgical Technology
- Veterinary Technology

Associate	of	Science	Dental	Hygiene	Track
Course		Title			

First Semeste	r	
BIO 1010	Biology Foundations: Prep for Anatomy & Physiology and Microbiology	2
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
ENG 1021	English Composition I: GT-CO1	3
PSY 1001	General Psychology I: GT-SS3	3
CHE 1009	General, Organic, and Biochemistry	4
	Subtotal	16
Second Seme	ster	
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
SOC 1001	Introduction to Sociology I: GT-SS3	3
BIO 2104	Microbiology with Lab: GT-SC1	4
COM 1150	Public Speaking	3
	Subtotal	14
Third Semeste	er	
ENG 1022	English Composition II: GT-CO2	3
Choose One A	rts & Humanities Course (GT-AH3)	3
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
PHI 1013	Logic: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
Choose One M	lathematics Course (GT-MA1)	4
MAT 1340	College Algebra: GT-MA1	
MAT 1240	Math for Liberal Arts: GT-MA1	
Choose One E	lective Course	2-3
HPR 1039	Medical Terminology	
ANT 2550	Medical Anthropology: GT-SS3	
PHI 2005	Business Ethics: GT-AH3	
HPR 4011	Leadership and Management in Health Professions	
HPR 3001	Communication in Health Care	
HWE 1050	Human Nutrition	
Choose One H	listory Course (GT-HI1)	3
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	

HIS 2005	Women in World History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
1110 2010	Subtotal	15-16
Fourth Semes		13-10
	rts & Humanities Course (GT-AH3)	3
PHI 1011	Intro to Philosophy: GT-AH3	0
PHI 1012	Ethics: GT-AH3	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
PHI 1014	Comparative Religions: GT-AH3	
MUS 1020	Music Appreciation: GT-AH1	
LIT 2001	World Literature to 1600: GT-AH2	
Choose One E		3
	Human Nutrition	0
MAT 1260		
HPR 3001		
HPR 4011	Leadership and Management in Health Professions	
Choose One E		3
ANT 1001	Cultural Anthropology: GT-SS3	Ü
BIO 1016	Introduction to Human Disease: GT-SC2	
MAN 1016	Principles of Supervision	
MAN 2026	Principles of Management	
COM 2300		
COM 1250	Interpersonal Communication: GT-SS3	
Choose One E		3
PSY 1016	Stress Management	
PSY 2440	3	
SPA 1015	Spanish for the Professional I	
MAN 2026	Principles of Management	
SOC 2018	Sociology of Diversity: GT-SS3	
COM 1250	Interpersonal Communication: GT-SS3	
Choose One E	•	3
PSY 1016	Stress Management	
PSY 2440	Human Growth and Development: GT-SS3	
SPA 1015	Spanish for the Professional I	
MAN 2026	Principles of Management	
SOC 2018	Sociology of Diversity: GT-SS3	
COM 1250	Interpersonal Communication: GT-SS3	
	Subtotal	15
	Total Credits	60-61

## Associate of Science Practical Nursing Track

Science Practical Nursing Track	
Title	Credits
r	
Biology Foundations: Prep for Anatomy & Physiology and Microbiology	2
Human Anatomy & Physiology with Lab I: GT-SC1	4
English Composition I: GT-CO1	3
Medical Terminology	2
Math for Clinical Calculations	3
Subtotal	14
ster	
Human Anatomy & Physiology II with Lab: GT-SC1	4
English Composition II: GT-CO2	3
ocial & Behavioral Sciences Course (GT-SS1~GT-SS3)	3
Introduction to Sociology I: GT-SS3	
Medical Anthropology: GT-SS3	
Psychology of Death and Dying: GT-SS3	
General Psychology I: GT-SS3	
Human Growth and Development: GT-SS3	
Sociology of Diversity: GT-SS3	
communication Course	3
Public Speaking	
Interpersonal Communication: GT-SS3	
	Title  r  Biology Foundations: Prep for Anatomy & Physiology and Microbiology  Human Anatomy & Physiology with Lab I: GT-SC1  English Composition I: GT-CO1  Medical Terminology  Math for Clinical Calculations  Subtotal  ster  Human Anatomy & Physiology II with Lab: GT-SC1  English Composition II: GT-CO2  ocial & Behavioral Sciences Course (GT-SS1~GT-SS3)  Introduction to Sociology I: GT-SS3  Medical Anthropology: GT-SS3  Psychology of Death and Dying: GT-SS3  General Psychology I: GT-SS3  Human Growth and Development: GT-SS3  Sociology of Diversity: GT-SS3  ommunication Course  Public Speaking

PHI 1011	ts & Humanities Course (GT-AH3) Intro to Philosophy: GT-AH3	3	HPR 3001	Communication in Health Care	
	Intro to Philosophy: GT-AH3				
PHI 1012	to		HWE 1050	Human Nutrition	
11111012	Ethics: GT-AH3			Subtotal	14
HUM 1022	Humanities: Medieval-Modern: GT-AH2			Total Credits	60-61
PHI 1014	Comparative Religions: GT-AH3				
MUS 1020	Music Appreciation: GT-AH1		Associate of	Science Radiologic Technology Track	
LIT 2001	World Literature to 1600: GT-AH2		Course	Title	Credits
	Subtotal	16	First Semeste	er	
Third Semeste	r		BIO 1010	Biology Foundations: Prep for Anatomy & Physiology	2
Choose One Na	atural & Physical Sciences Course (GT-SC2)	4-5	DIO 0404	and Microbiology	
BIO 2104	Microbiology with Lab: GT-SC1		BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1		ENG 1021	English Composition I: GT-CO1	3
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1		MAT 1240	Math for Liberal Arts: GT-MA1 (or higher)	4
	ocial & Behavioral Sciences Course (GT-SS1~GT-SS3)	3		Subtotal	13
	Introduction to Sociology I: GT-SS3		Second Seme		
	Medical Anthropology: GT-SS3		BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
	Psychology of Death and Dying: GT-SS3		RTE 1001	Introduction to Radiography	2
	General Psychology I: GT-SS3		HPR 1039	Medical Terminology	2
	Human Growth and Development: GT-SS3		ENG 1022	English Composition II: GT-CO2	3
	Sociology of Diversity: GT-SS3		Choose One S	ocial & Behavioral Sciences Course (GT-SS1~GT-SS3)	3
	ts & Humanities Course (GT-AH3)	3	SOC 1001	Introduction to Sociology I: GT-SS3	
	Art Appreciation: GT-AH1		PSY 1001	General Psychology I: GT-SS3	
	World Mythology: GT-AH2		PSY 2440	Human Growth and Development: GT-SS3	
	Humanities: Medieval-Modern: GT-AH2			Subtotal	14
	Logic: GT-AH3		Third Semeste	er	
	Introduction to Literature I: GT-AH2		Choose One E	lective Course	3
	Philosophy of Death and Dying: GT-AH3		PSY 1016	Stress Management	
Choose One Ele		3	PSY 2440	Human Growth and Development: GT-SS3	
	Human Nutrition	3	SPA 1015	Spanish for the Professional I	
			MAN 2026	Principles of Management	
	Intro to Statistics: GT-MA1		SOC 2018	Sociology of Diversity: GT-SS3	
	Communication in Health Care		COM 1250	Interpersonal Communication: GT-SS3	
	Intro to Behavioral Health Care and Wellness		Choose One A	rts & Humanities Course (GT-AH3)	3
	Mental Health Crisis and Intervention: Preparedness and Emp			Art Appreciation: GT-AH1	
	Leadership and Management in Health Professions			World Mythology: GT-AH2	
	story Course (GT-HI1)	3		Humanities: Medieval-Modern: GT-AH2	
	The World: Antiquity-1500: GT-HI1	3	PHI 1013	Logic: GT-AH3	
	The World: 1500-Present: GT-HI1		LIT 1015	Introduction to Literature I: GT-AH2	
	U.S. History to Reconstruction: GT-HI1		PHI 2020	Philosophy of Death and Dying: GT-AH3	
	Women in World History: GT-HI1			latural & Physical Sciences Course (GT-SC2)	4-5
	20th Century World History: GT-HI1		BIO 2104	Microbiology with Lab: GT-SC1	
		46.47		Introduction to Chemistry I with Lab: GT-SC1	
	Subtotal	16-17		GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	
Fourth Semest		4		Conceptual Physics with Lab: GT-SC1	
Choose One Ele		4	Choose One E		3
	Pathophysiology			Medical Anthropology: GT-SS3	Ü
	Pharmacology Calculations		PHI 2005	Business Ethics: GT-AH3	
	Introduction to Public Health: GT-SS3	0		Leadership and Management in Health Professions	
Choose One El		3		Communication in Health Care	
	College Algebra: GT-MA1			Human Nutrition	
	Human Nutrition			listory Course (GT-HI1)	3
	Intro to Statistics: GT-MA1		HIS 1110	The World: Antiquity-1500: GT-HI1	3
	Communication in Health Care		HIS 1120	The World: 1500-Present: GT-HI1	
	Intro to Behavioral Health Care and Wellness		HIS 1210		
	Mental Health Crisis and Intervention: Preparedness		HIS 2005	U.S. History to Reconstruction: GT-HI1  Women in World History: GT-HI1	
	and Emp		HIS 2005	20th Century World History: GT-HI1	
	Leadership and Management in Health Professions	A	1110 2010		16 47
	athematics Course (GT-MA1)	4	Equith Com-	Subtotal	16-17
	College Algebra: GT-MA1		Fourth Semes		^
	Math for Liberal Arts: GT-MA1	0		rts & Humanities Course (GT-AH3)	3
Choose One Ele		3	PHI 1011		
ANT 2550	Medical Anthropology: GT-SS3		PHI 1012	Ethics: GT-AH3 Humanities: Medieval-Modern: GT-AH2	
PHI 2005	Business Ethics: GT-AH3				

PHI 1014	Comparative Religions: GT-AH3		HUM 1022	Humanities: Medieval-Modern: GT-AH2	
MUS 1020	Music Appreciation: GT-AH1		PHI 1013	Logic: GT-AH3	
LIT 2001	World Literature to 1600: GT-AH2		LIT 1015	Introduction to Literature I: GT-AH2	
Choose One E	lective Course	3	PHI 2020	Philosophy of Death and Dying: GT-AH3	
MAN 1016	Principles of Supervision		Choose One H	listory Course (GT-HI1)	3
MAN 2026	Principles of Management		HIS 1110	The World: Antiquity-1500: GT-HI1	
HPR 3001	Communication in Health Care		HIS 1120	The World: 1500-Present: GT-HI1	
HPR 4011	Leadership and Management in Health Professions		HIS 1210	U.S. History to Reconstruction: GT-HI1	
PHI 2005	Business Ethics: GT-AH3		HIS 2005	Women in World History: GT-HI1	
Choose One E	lective Course	4	HIS 2015	20th Century World History: GT-HI1	
BIO 2116	Pathophysiology		Choose One M	Mathematics Course (GT-MA1)	4
PBH 2015	Introduction to Public Health: GT-SS3		MAT 1240	Math for Liberal Arts: GT-MA1	
Choose One E	lective Course	4	MAT 1340	College Algebra: GT-MA1	
BIO 2116	Pathophysiology			Subtotal	16
PBH 2015	Introduction to Public Health: GT-SS3			Total Credits	60
Choose One E	lective Course	3			-
PSY 1016	Stress Management		Associate of	Science Veterinary Technology Track	
PSY 2440	Human Growth and Development: GT-SS3		Course	Title	Credits
SPA 1015	Spanish for the Professional I		First Semeste	er	
MAN 2026	Principles of Management		BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
SOC 2018	Sociology of Diversity: GT-SS3		ENG 1021	English Composition I: GT-CO1	3
COM 1250	Interpersonal Communication: GT-SS3		MAT 1120	Math for Clinical Calculations	3
	Subtotal	17	Choose One E	Elective Course	3
	Total Credits	60-61	PSY 1001	General Psychology I: GT-SS3	
			SOC 1001	Introduction to Sociology I: GT-SS3	
	Science Surgical Technology Track			Subtotal	14
Course	Title	Credits	Second Seme	ester	
First Semeste			ENG 1022	English Composition II: GT-CO2	3
BIO 1010	Biology Foundations: Prep for Anatomy & Physiology	2	COM 1150	Public Speaking	3
DIO 0404	and Microbiology	4	Choose One S	Social & Behavioral Sciences Course (GT-SS1~GT-SS3)	3
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4		Introduction to Sociology I: GT-SS3	
ENG 1021	English Composition I: GT-CO1	3	ANT 2550	1 07	
MAT 1120	Math for Clinical Calculations	3	PSY 2222	, , ,	
HPR 1039	Medical Terminology	2	PSY 1001	,	
Cooonal Como	Subtotal	14	PSY 2440	·	
Second Seme		4		Sociology of Diversity: GT-SS3	
BIO 2102 BIO 2104	Human Anatomy & Physiology II with Lab: GT-SC1 Microbiology with Lab: GT-SC1	4		latural & Physical Sciences Course (GT-SC1)	4-5
PSY 2440	Human Growth and Development: GT-SS3	4	BIO 2104	Microbiology with Lab: GT-SC1	
ENG 1022	English Composition II: GT-CO2	3	CHE 1011	•	
ENG 1022		3 14	BIO 1112	Gen College Biology II with Lab: GT-SC1	
Third Semeste	Subtotal	14	GEY 1111	,	
SPI 1000	Sterile Instrument Processing	1	AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
	•	4		Physics Algebra-Based I with Lab: GT-SC1	
SPI 1081 COM 1250	Internship: Sterile Processing Technology Interpersonal Communication: GT-SS3	9		arts & Humanities Course (GT-AH3)	3
COW 1230		16	PHI 1011	Intro to Philosophy: GT-AH3	
Fourth Semes	Subtotal	10	PHI 1012	Ethics: GT-AH3	
		2		Humanities: Medieval-Modern: GT-AH2	
	focial & Behavioral Sciences Course (GT-SS1~GT-SS3)	3	PHI 1014	Comparative Religions: GT-AH3	
	Introduction to Sociology I: GT-SS3 Medical Anthropology: GT-SS3		MUS 1020		
	Psychology of Death and Dying: GT-SS3		LIT 2001	World Literature to 1600: GT-AH2	40.45
	, , , ,			Subtotal	16-17
	General Psychology I: GT-SS3		Third Semest		4
	Sociology of Diversity: GT-SS3	2	VET 1002	Veterinary Medical Terminology	1
	rts & Humanities Course (GT-AH3)	3	VET 1020	Office Procedures and Relations	2
	Art Appreciation: GT-AH1		VET 1009	Applied Comprehension Animal Behavior	3
	Humanities: Medieval-Modern: GT-AH2			latural & Physical Sciences Course (GT-SC1)	4-5
	World Mythology: GT-AH2		BIO 2104	Microbiology with Lab: GT-SC1	
PHI 1013	Logic: GT-AH3		CHE 1111	,	
LIT 1015	Introduction to Literature I: GT-AH2		BIO 1112	•	
PHI 2020	Philosophy of Death and Dying: GT-AH3	0		Historical Geology with Lab: GT-SC1	
	rts & Humanities Course (GT-AH3)	3		Astronomy of Ancient Cultures: GT-SC2	
ART 1110	Art Appreciation: GT-AH1		PHY 1112	, ,	
HOW 1015	World Mythology: GT-AH2		Choose One A	arts & Humanities Course (GT-AH3)	3

VET 1083 Choose One M MAT 1240 MAT 1340	fathematics Course (GT-MA1)	14
Choose One M MAT 1240	flathematics Course (GT-MA1)  Math for Liberal Arts: GT-MA1	
Choose One M	fathematics Course (GT-MA1)	
VET 1083	Internalip	_
	Internship	2
VET 1014	Vet Assist Lab & Clinical Procedures	3
VET 1017	Veterinary Assistant Surgery and Nursing Care	2
VET 1004	Assistant Large Animal Nursing	1
VET 1003	Veterinary Assistant Restraint and Handling	2
Fourth Semes	ster	
	Subtotal	16-17
HIS 2015	20th Century World History: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
Choose One H	listory Course (GT-HI1)	3
PHI 2020	Philosophy of Death and Dying: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
PHI 1013	Logic: GT-AH3	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
	World Mythology: GT-AH2	
HUM 1015		