

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.

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

Associate of Science Dental Hygiene Track

Course	Title	Credits
First Semester		
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 Semester		
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 Semester		
ENG 1022	English Composition II: GT-CO2	3
Choose One Arts & 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 Mathematics Course (GT-MA1)		4
MAT 1340	College Algebra: GT-MA1	
MAT 1240	Math for Liberal Arts: GT-MA1	
Choose One Elective 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 History 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	
Subtotal		15-16
Fourth Semester		
Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1011	Intro to Philosophy: GT-AH3	
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 Elective Course		3
HWE 1050	Human Nutrition	
MAT 1260	Intro to Statistics: GT-MA1	
HPR 3001	Communication in Health Care	
HPR 4011	Leadership and Management in Health Professions	
Choose One Elective Course		3
ANT 1001	Cultural Anthropology: GT-SS3	
BIO 1016	Introduction to Human Disease: GT-SC2	
MAN 1016	Principles of Supervision	
MAN 2026	Principles of Management	
COM 2300	Intercultural Communication: GT-SS3	
COM 1250	Interpersonal Communication: GT-SS3	
Choose One Elective Course		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	
Choose One Elective Course		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

Course	Title	Credits
First Semester		
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
HPR 1039	Medical Terminology	2
MAT 1120	Math for Clinical Calculations	3
Subtotal		14
Second Semester		
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
ENG 1022	English Composition II: GT-CO2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	

COM 2220	Group Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1011	Intro to Philosophy: GT-AH3	
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	
Subtotal		16

Third Semester

Choose One Natural & Physical Sciences Course (GT-SC2)		4-5
BIO 2104	Microbiology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
Choose One Arts & 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 Elective Course		3
HWE 1050	Human Nutrition	
MAT 1260	Intro to Statistics: GT-MA1	
HPR 3001	Communication in Health Care	
PTE 1010	Intro to Behavioral Health Care and Wellness	
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	
HPR 4011	Leadership and Management in Health Professions	
Choose One History 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	
Subtotal		16-17

Fourth Semester

Choose One Elective Course		4
BIO 2116	Pathophysiology	
NUR 1001	Pharmacology Calculations	
PBH 2015	Introduction to Public Health: GT-SS3	
Choose One Elective Course		3
MAT 1340	College Algebra: GT-MA1	
HWE 1050	Human Nutrition	
MAT 1260	Intro to Statistics: GT-MA1	
HPR 3001	Communication in Health Care	
PTE 1010	Intro to Behavioral Health Care and Wellness	
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	
HPR 4011	Leadership and Management in Health Professions	
Choose One Mathematics Course (GT-MA1)		4
MAT 1340	College Algebra: GT-MA1	
MAT 1240	Math for Liberal Arts: GT-MA1	
Choose One Elective Course		3
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	
Subtotal		14
Total Credits		60-61

Associate of Science Radiologic Technology Track

Course	Title	Credits
First Semester		
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
MAT 1240	Math for Liberal Arts: GT-MA1 (or higher)	4
Subtotal		13

Second Semester

BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
RTE 1001	Introduction to Radiography	2
HPR 1039	Medical Terminology	2
ENG 1022	English Composition II: GT-CO2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
Subtotal		14

Third Semester

Choose One Elective Course		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	
Choose One Arts & 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 Natural & Physical Sciences Course (GT-SC2)		4-5
BIO 2104	Microbiology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective Course		3
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 History 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	
Subtotal		16-17

Fourth Semester

Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1011	Intro to Philosophy: GT-AH3	
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 Elective Course		3
MAN 1016	Principles of Supervision	
MAN 2026	Principles of Management	
HPR 3001	Communication in Health Care	
HPR 4011	Leadership and Management in Health Professions	
PHI 2005	Business Ethics: GT-AH3	
Choose One Elective Course		4
BIO 2116	Pathophysiology	
PBH 2015	Introduction to Public Health: GT-SS3	
Choose One Elective Course		4
BIO 2116	Pathophysiology	
PBH 2015	Introduction to Public Health: GT-SS3	
Choose One Elective Course		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		17
Total Credits		60-61

Associate of Science Surgical Technology Track

Course	Title	Credits
First Semester		
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
MAT 1120	Math for Clinical Calculations	3
HPR 1039	Medical Terminology	2
Subtotal		14
Second Semester		
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO 2104	Microbiology with Lab: GT-SC1	4
PSY 2440	Human Growth and Development: GT-SS3	3
ENG 1022	English Composition II: GT-CO2	3
Subtotal		14
Third Semester		
SPI 1000	Sterile Instrument Processing	4
SPI 1081	Internship: Sterile Processing Technology	9
COM 1250	Interpersonal Communication: GT-SS3	3
Subtotal		16
Fourth Semester		
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
Choose One Arts & Humanities Course (GT-AH3)		3
ART 1110	Art Appreciation: GT-AH1	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
HUM 1015	World Mythology: 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 Arts & 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 History 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	
Choose One Mathematics Course (GT-MA1)		4
MAT 1240	Math for Liberal Arts: GT-MA1	
MAT 1340	College Algebra: GT-MA1	
Subtotal		16
Total Credits		60

Associate of Science Veterinary Technology Track

Course	Title	Credits
First Semester		
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
ENG 1021	English Composition I: GT-CO1	3
MAT 1120	Math for Clinical Calculations	3
Choose One Elective Course		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
Subtotal		14
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
COM 1150	Public Speaking	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 2104	Microbiology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
BIO 1112	Gen College Biology II with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1011	Intro to Philosophy: GT-AH3	
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	
Subtotal		16-17
Third Semester		
VET 1002	Veterinary Medical Terminology	1
VET 1020	Office Procedures and Relations	2
VET 1009	Applied Comprehension Animal Behavior	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 2104	Microbiology with Lab: GT-SC1	
CHE 1111	General College Chemistry I with Lab: GT-SC1	
BIO 1112	Gen College Biology II with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
PHY 1112	Physics Algebra-Based II with Lab: GT-SC1	
Choose One Arts & 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 History 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	
Subtotal		16-17
Fourth Semester		
VET 1003	Veterinary Assistant Restraint and Handling	2
VET 1004	Assistant Large Animal Nursing	1
VET 1017	Veterinary Assistant Surgery and Nursing Care	2
VET 1014	Vet Assist Lab & Clinical Procedures	3
VET 1083	Internship	2
Choose One Mathematics Course (GT-MA1)		4
MAT 1240	Math for Liberal Arts: GT-MA1	
MAT 1340	College Algebra: GT-MA1	
Subtotal		14
Total Credits		60-62