2019

Skills-to-Course Matrix

Health Science

Century High School
Portland Community College
10/16/2019

Health Sciences Cluster

CCTC*	Code Number	KS Statement	Anatomy & Physiology	Health Science 1	Health Science 2	Introduction to Health Sciences Profess-	Human Anatomy & Physiology
			305311/0305312	1400214/1400242	1400251/140025P	142541x	0305321/0305322
			3053	14003	14002	14251	3053
		Cluster Knowledge and Skills (CTE standards)	1	1	1	0.5	1
			Y	Y	Y	Y	Y
HL 1	HL01	Determine academic subject matter, in addition to high school graduation requirements, necessary for pursuing a health science career.	x	x	x	x	x
HL 2	HL02	Explain the healthcare worker's role within their department, their organization, and the overall healthcare system.	x	x	x	x	x
HL 3	HL03	Identify existing and potential hazards to clients, co-workers, visitors, and self in the healthcare workplace.	x	x	x	x	x
HL 4	HL04	Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.	x	x	x	x	x
HL 5	HL05	Analyze the legal and ethical responsibilities, limitations and implications of actions within the healthcare workplace.	x	x	x	x	x
HL 6	HL06	Evaluate accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare workplace.	x	x	x	x	x

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Biotechnology, Research & Development Focus Area

CCTC*	Code Number	Focus Area Knowledge and Skills (CTE standards) / KS Statement	Anatomy & Physiology 305311/0305312 3053 1 Y	Health Science 1 1400214/1400242 14003 1 Y	Health Science 2 1400251/140025P 14002 1 Y	Introduction to Health Sciences 142541x 14251 0.5 Y	Human Anatomy & Physiology 0305321/0305322 3053 1 Y	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]
HL-BRD 1	HLBR01	Summarize the goals of biotechnology research and development within legal and ethical protocols.										
HL-BRD 2	HLBR02	Apply the fundamentals of biochemistry, cell biology, genetics, mathematical concepts, microbiology, molecular biology, organic chemistry and statistics to conduct effective biotechnology research and development of products.										
HL-BRD 3	HLBR03	Demonstrate basic knowledge of recombinant DNA, genetic engineering, bioprocessing, monoclonal antibody production, nanotechnology, bioinformatics, genomics, proteomics and transcriptomics to conduct biotechnology research and development.										
HL-BRD 4	HLBR04	Demonstrate the principles of solution preparation, sterile techniques, contamination control, and measurement and calibration of instruments used in biotechnology research.										
HL-BRD 5	HLBR05	Determine processes for product design and production and how that work contributes to an understanding of the biotechnology product development process.										
HL-BRD 6	HLBR06	Summarize and explain the larger ethical, moral and legal issues related to biotechnology research, product development and use in society.										

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Health Diagnostics Focus Area

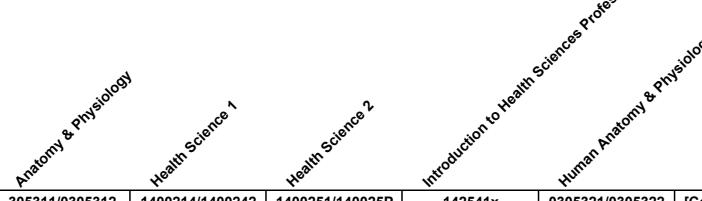| CCTC*	Code Number	Focus Area Knowledge and Skills (CTE standards)	Anatomy & Physiology	Health Science 1	Health Science 2	Introduction to Health Sciences Profes-	Human Anatomy & Physiology	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			305311/0305312	1400214/1400242	1400251/140025P	142541x	0305321/0305322	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			3053	14003	14002	14251	3053					
			1	1	1	0.5	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
		KS Statement	Y	Y	Y	Y	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
HL-DIA 1	HLDG01	Communicate key diagnostic information to healthcare workers and patients in an accurate and timely manner.										
HL-DIA 2	HLDG02	Assess and report patient's/client's health status in order to monitor and document patient progress.										
HL-DIA 3	HLDG03	Demonstrate the principles of body mechanics for positioning, transferring and transporting of patients/clients, and perform them without injury to the patient/client or self.										
HL-DIA 4	HLDG04	Explain procedures and goals to the patient/client accurately and effectively, using strategies to respond to questions and concerns.										
HL-DIA 5	HLDG05	Select, demonstrate and interpret diagnostic procedures.										

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Health Infomatics Focus Area

CCTC*	Code Number	Focus Area Knowledge and Skills (CTE standards)	Anatomy & Physiology	Health Science 1	Health Science 2	Introduction to Health Sciences Profes…	Human Anatomy & Physiology	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			305311/0305312	1400214/1400242	1400251/140025P	142541x	0305321/0305322	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			3053	14003	14002	14251	3053	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
			1	1	1	0.5	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
		KS Statement	Y	Y	Y	Y	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
HL-HI 1	HLIF01	Communicate health information accurately and within legal and regulatory guidelines, upholding the strictest standards of confidentiality.		x	x	x						
HL-HI 2	HLIF02	Describe the content and diverse uses of health information.		x	x	x						
HL-HI 3	HLIF03	Demonstrate the use of systems used to capture, retrieve and maintain confidential health information from internal and external sources.		x	x	x						

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Health Support Services Focus Area

CCTC*	Code Number	Focus Area Knowledge and Skills (CTE standards) KS Statement	Anatomy & Physiology 305311/0305312 3053 1 Y	Health Science 1 1400214/1400242 14003 1 Y	Health Science 2 1400251/140025P 14002 1 Y	Introduction to Health Sciences Profes.. 142541x 14251 0.5 Y	Human Anatomy & Physiology 0305321/0305322 3053 1 Y	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]	[Course Number] [NCES Code] [# of Credits] [TSA--Y or N?]
HL-SUP 1	HLSS01	Describe, differentiate and safely perform the responsibilities of healthcare support services roles.										
HL-SUP 2	HLSS02	Demonstrate work practices that maintain a clean and healthy healthcare facility to reduce or eliminate pathogenic organisms.										
HL-SUP 3	HLSS03	Follow established internal and external guidelines in order to provide high-quality, effective support services in the healthcare facility.										
HL-SUP 4	HLSS04	Maximize available resources for proper care and use of healthcare equipment and materials.										
HL-SUP 5	HLSS05	Implement healthcare facility standards in order to maintain high-quality healthcare facilities.										

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Therapeutic Services Focus Area

CCTC*	Code Number	KS Statement	Anatomy & Physiology	Health Science 1	Health Science 2	Introduction to Health Sciences Profes-	Human Anatomy & Physiology	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			305311/0305312	1400214/1400242	1400251/140025P	142541x	0305321/0305322	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			3053	14003	14002	14251	3053	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
		Focus Area Knowledge and Skills (CTE standards)	1	1	1	0.5	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
			Y	Y	Y	Y	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
HL-THR 1	HLTS01	Utilize communication strategies to answer patient/client questions and concerns on planned procedures and goals.	x	x	x	x	x					
HL-THR 2	HLTS02	Communicate patient/client information among healthcare team members to facilitate a team approach to patient care.	x	x	x	x	x					
HL-THR 3	HLTS03	Utilize processes for assessing, monitoring and reporting patient's/clients' health status to the treatment team within protocol and scope of practice.	x	x	x	x	x					
HL-THR 4	HLTS04	Evaluate patient/client needs, strengths and problems in order to determine if treatment goals are being met.	x	x	x	x	x					