

CURRICULUM STANDARD

Effective Term
Spring 2020
[2020*01]

Curriculum Program Title	Healthcare Simulation Technology	Program Code	A45980
Concentration	(not applicable)	CIP Code	51.9999

Curriculum Description

This curriculum is designed to prepare individuals to teach, remediate, and evaluate healthcare providers using different forms of healthcare simulation.

Course work includes the day-to-day operations of a multidisciplinary healthcare simulation lab. Students will learn how to operate low, mid, and high-fidelity simulation mannequins, various task trainers, audiovisual tools used in simulation, and managing standardized patient programs.

Graduates of the Healthcare Simulation Technology program will be eligible for employment opportunities at hospitals, public and private educational institutions, emergency medical services agencies, and simulation centers. Qualifying graduates may be eligible for the national Certified Healthcare Simulation Educator exam.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours of credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

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Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																																																																																																							
<p>A. CORE</p> <p>Required Subject Areas</p> <p>Anatomy & Physiology Select one:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%;">BIO</td> <td style="width: 15%;">163</td> <td style="width: 55%;">Basic Anatomy & Physiology</td> <td style="width: 15%;">5 SHC <i>or</i></td> </tr> <tr> <td></td> <td>BIO</td> <td>166</td> <td>Anatomy and Physiology II</td> <td>4 SHC <i>or</i></td> </tr> <tr> <td></td> <td>BIO</td> <td>169</td> <td>Anatomy and Physiology II</td> <td>4 SHC</td> </tr> </table> <p>Terminology</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td>MED</td> <td>120</td> <td>Survey of Med Terminology I</td> <td>2 SHC</td> </tr> </table> <p>Computing Select one:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td>CIS</td> <td>111</td> <td>Basic PC Literacy</td> <td>2 SHC <i>or</i></td> </tr> <tr> <td></td> <td>CIS</td> <td>115</td> <td>Intor to Programming & Logic</td> <td>3 SHC <i>or</i></td> </tr> <tr> <td></td> <td>OST</td> <td>137</td> <td>Office Applications I</td> <td>3 SHC</td> </tr> </table> <p>Healthcare Simulation Technology</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;">*</td> <td style="width: 5%;">SIM</td> <td style="width: 10%;">110</td> <td style="width: 55%;">Overview of Sim in Healthcare</td> <td style="width: 20%;">4 SHC</td> </tr> <tr> <td></td> <td>*</td> <td>SIM</td> <td>120</td> <td>Simulation Basic Repair</td> <td>3 SHC</td> </tr> <tr> <td></td> <td>*</td> <td>SIM</td> <td>130</td> <td>Simulation Pharmacology</td> <td>3 SHC</td> </tr> <tr> <td></td> <td>*</td> <td>SIM</td> <td>140</td> <td>Study of Disease Processes</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>150</td> <td>Simulation Across Health Professions</td> <td>3 SHC</td> </tr> <tr> <td></td> <td>*</td> <td>SIM</td> <td>160</td> <td>Scenario Design</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>210</td> <td>Adjunctive Sim Techniques</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>220</td> <td>Simulation Programming</td> <td>1 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>230</td> <td>Adult Patient Simulation Senarios</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>235</td> <td>Research in Simulation</td> <td>4 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>240</td> <td>Maternal/Child Simulation</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>250</td> <td>Simulation Center Management</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>260</td> <td>Sim Debriefing and Assessment</td> <td>3 SHC</td> </tr> <tr> <td></td> <td></td> <td>SIM</td> <td>270</td> <td>Simulation Capstone</td> <td>3 SHC</td> </tr> </table>		BIO	163	Basic Anatomy & Physiology	5 SHC <i>or</i>		BIO	166	Anatomy and Physiology II	4 SHC <i>or</i>		BIO	169	Anatomy and Physiology II	4 SHC		MED	120	Survey of Med Terminology I	2 SHC		CIS	111	Basic PC Literacy	2 SHC <i>or</i>		CIS	115	Intor to Programming & Logic	3 SHC <i>or</i>		OST	137	Office Applications I	3 SHC		*	SIM	110	Overview of Sim in Healthcare	4 SHC		*	SIM	120	Simulation Basic Repair	3 SHC		*	SIM	130	Simulation Pharmacology	3 SHC		*	SIM	140	Study of Disease Processes	3 SHC			SIM	150	Simulation Across Health Professions	3 SHC		*	SIM	160	Scenario Design	3 SHC			SIM	210	Adjunctive Sim Techniques	3 SHC			SIM	220	Simulation Programming	1 SHC			SIM	230	Adult Patient Simulation Senarios	3 SHC			SIM	235	Research in Simulation	4 SHC			SIM	240	Maternal/Child Simulation	3 SHC			SIM	250	Simulation Center Management	3 SHC			SIM	260	Sim Debriefing and Assessment	3 SHC			SIM	270	Simulation Capstone	3 SHC	50-52 SHC		16 SHC
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<p>C. OTHER MAJOR HOURS</p> <p><i>To be selected from the following prefixes:</i> BIO, CET, CIS, CSC, CTI, HMT, HSC, MED, OST, PED, SGD, SIM, and WBL.</p> <p><i>Up to two semester hour credits may be selected from ACA.</i></p> <p><i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS, and SPA.</i></p>																																																																																																																										