

HEALTH SCIENCES

Healthcare Simulation Technology

The Healthcare Simulation Technology program is an executive-style degree offered by Wake Tech and is the only program of its kind in the state of North Carolina. The Healthcare Simulation Technology program can prepare students by synthesizing psychological, environmental, and equipment fidelity to produce interdisciplinary simulation with appropriate assessment and debriefing activities. Students may also be prepared for simulation center management and oversight positions available in a range of healthcare programs and hospitals. Wake Tech's program is unique in that it is the only online undergraduate healthcare simulation program in the country. This program enrolls once annually in the fall semester.

Coursework is 100% online with two, executive-style week-long campus visits in the fall semesters of each year, making the program accessible for working adults and easy to complete over 5 semesters. The curriculum in the Healthcare Simulation Technology degree program is aligned with the Society for Simulation in Healthcare's Certified Healthcare Simulation Educator® (CHSE) exam, while the curriculum in the certificate program is aligned with the Certified Healthcare Simulation Operations Specialist® (CHSOS) exam. Industry certifications, such as these can assist students in marketability and employability.

Healthcare Simulation Technology – A45980 Associate Degree

-Online

First Semester

MED 120	Medical Terminology.....	2
BIO 168**	Anatomy & Physiology I.....	4
ENG 111*	Writing and Inquiry	3
SIM 110	Overview of Simulation in Healthcare	4
CIS 111*	Introduction to Computers.....	2

Second Semester

MAT 143	Quantitative Literacy	3
BIO 169**	Anatomy & Physiology II.....	4
SIM 130	Simulation Pharmacology	3
SIM 140	Study of Disease Process.....	3
SIM 120	Simulation Technology Basic Repair	3

Third Semester

SIM 160	Scenario Design	3
SIM 210	Adjunctive Simulation Techniques	3
SIM 250	Simulation Center Management	3
ENG 112*	Writing/Research in the Discipline	3

Fourth Semester

SIM 220	Simulation Programming	1
SIM 235	Research in Simulation.....	4
SIM 230	Adult Patient Simulation Scenarios.....	3
PSY 150*	General Psychology.....	3
SIM 260	Simulation Debriefing and Assessment	3

Fifth Semester

SIM 150	Simulation across Health Professions.....	3
SIM 240	Maternal/Child Simulation Scenarios	3
SIM 270	Simulation Capstone.....	3
HUM 110	Technology and Society	3

Graduation Requirements69 Credit Hours

*College Transfer Courses

** All courses must be successfully passed with a 'C' average or better to remain eligible for the Healthcare Simulation Technology program.

Healthcare Simulation Technology – C45980 Certificate Degree

-Online

Students pursuing the certificate program in Healthcare Simulation Technology can be prepared to serve as operational specialists in healthcare simulation labs. This 16-hour certificate program will provide an overview of how simulation is integrated into healthcare disciplines, types of simulation, preventative and corrective maintenance and repair of simulation equipment, an understanding of disease processes and pharmacology, and scenario design and basic programming. The curriculum in the certificate program is aligned with the Society for Simulation in Healthcare's Certified Healthcare Simulation Operations Specialist® (CHSOS) certification.

This program is an executive-style online program with one week-long on-campus visit during the first semester.

First Semester

SIM 110	Overview of Simulation in Healthcare.....	4
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Second Semester

SIM 120	Simulation Technology Basic Repair.....	3
SIM 130	Simulation Pharmacology	3
SIM 140	Study of Disease Processes	3

Third Semester

SIM 160	Scenario Design	3
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Graduation Requirements 16 Semester Credit Hours

*College Transfer Courses

** All courses must be successfully passed with a 'C' average or better to remain eligible for the Healthcare Simulation Technology program.