Health Care Simulation, MS

NUHCSMS

Learn how to leverage simulation in health care education as well as in practice settings. You'll be a health care leader empowered to create simulation-enhanced decision-making processes and learning strategies.

Program Description

Degree Awarded: MS Health Care Simulation

In the MS program in health care simulation, students learn to influence the design, operations and evaluation of educational health care simulation in academic or practice settings. Students develop evidence-based scenario design, use technology-enhanced environments replicating real patient experiences with life-like high fidelity computer manikins or simulated participants, and employ operations techniques. Through learning and working with their peers, faculty and leaders from multiple disciplines such as health care, sociology, technology, the arts and public policy, students will gain experience in creating transdisciplinary solutions.

Simulation in health care education aims to improve competencies in communication, teamwork, critical thinking, professional identity and safety. The simulated learning environment provides a psychologically safe space where you can make mistakes without risk to real patients.

This is a hybrid program with most required courses offered in an iCourse format, including both asynchronous and synchronous modalities. Some courses are offered in seven-and-a-half-week accelerated sessions. Several required courses include an immersion experience on the ASU campus for several days at the end of the semester as well as one day on campus at the beginning of the semester.

At a Glance

- **College/School:** [Edson College of Nursing and Health Innovation](#)
- **Location:** [Downtown Phoenix campus](#) or Online
Degree Requirements

34 credit hours including the required applied project course (HCS 593)

Required Core (3 credit hours)
HCS 501 Foundations in Health Care Simulation (3)

Other Requirements (21 credit hours)
HCS 502 Health Care Simulation Educational Assessment and Debriefing Methods (3)
HCS 503 Principles of Operations Management in Health Care (3)
HCS 580 Practicum: Operational or Educational Perspective (3)
NUR 521 Health Care Evidence, Informatics and Analysis (3)
NUR 548 Patient Safety, Health Care Quality & Informatics (3)
NUR 671 Teaching in Academic and Practice Settings (3)

Restricted Electives (6 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
HCI 538 Innovation and the Individual (3)
HCI 544 Information Technology (IT) for Health Care Innovation (3)
NUR 670 Curriculum Development in Academic and Practice Settings (3)

Culminating Experience (4 credit hours)
HCS 593 Applied Project (4)

Additional Curriculum Information
Coursework for other requirements or restricted electives may be substituted with approval of the academic unit.

For restricted electives, students choose two courses from the above list for a total of six credit hours.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health care or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
1. graduate admission application and application fee
2. official transcripts
3. three letters of recommendation
4. professional resume
5. written statement
6. proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Career Opportunities**

Professionals with expertise in health care simulation will be qualified to work in either academic or clinical simulation environments. Career examples include:

- directors and assistant directors, simulation centers
- education technician simulation specialist
- operations specialists
- simulation education specialists
- simulation managers
- simulation nurses

**Contact Information**

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