Health Care Simulation, MS

Learn how to leverage simulation in health care education, as well as in practice settings. This program empowers health care leaders 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. Courses are primarily offered in seven-and-a-half-week accelerated sessions. Two of the required courses include an immersion experience on the ASU campus for several days at the end of the semester.

At a Glance

- **College/School:** Edson College of Nursing and Health Innovation
- **Location:** Downtown Phoenix campus
Degree Requirements

37 credit hours including the required Applied Project Course (HCS 593)

**Required Core (21 credit hours)**
- HCI 540 Understanding and Applying Principles of Evidence-based Practice (3)
- HCS 501 Foundations in Health Care Simulation (3)
- HCS 502 Health Care Simulation Educational Assessment and Debriefing Methods (3)
- HCS 503 Principles of Operations Management in Health Care (3)
- NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)
- NUR 521 Health Care Evidence, Informatics and Analysis (3)
- NUR 671 Teaching in Academic and Practice Settings (3)

**Other Requirements (9 credit hours)**
- HCS 580 Practicum: Operational or Educational Perspective (3)
  choose two courses:
  - 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 523 Interprofessional Collaboration for Improving Patient Safety & Health Care Quality Outcomes (3)
  - NUR 670 Curriculum Development in Academic and Practice Settings (3)

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

**Additional Curriculum Information**
For other requirement coursework, students take HCS 580 and choose two courses from the above list for a total of nine credit hours. Coursework in this section may be substituted with approval of the academic unit.

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:

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

Contact Information
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