

# Keck School of Medicine of USC

## Doctoral Program in Nurse Anesthesia Practice (DNAP) Learning Objectives

Upon completion of this program, students will be able to:

1. Complete the requirements set forth by the Program, COA<sup>1</sup>, and NBCRNA<sup>2</sup> for eligibility to take the NCE
2. Practice the tenets of wellness and mindfulness through stress reduction activities and initiatives in conjunction with the Program to reduce the risk of chemical impairment.
3. Apply ethical principles, professional practice regulations, and applicable laws while delivering culturally sensitive care to a diverse patient population.
4. Conduct a thorough preanesthetic evaluation of the patient across the lifespan utilizing: History and physical examination techniques, review of protected health information, and the application of pertinent laboratory and diagnostic data for risk stratification.
5. Select appropriate perianesthesia therapeutics and diagnostics, request expert consultation as necessary, and formulate a perianesthesia plan utilizing established guidelines, principles, and standards of care.
6. Integrate evidence-based practice into all anesthesia care, utilizing the foundations of general, monitored, and regional anesthesia techniques as they apply to the diagnostic, operative, and physiologic condition of the patient.
7. Practice vigilance during the peri-anesthetic period and attend to the range of physiologic responses to anesthesia, implementing a course of action utilizing sound physiologic and pharmacologic principles, as needed
8. Evaluate postanesthesia care in every patient and formulate a course of action aimed at correcting any anesthesia related adverse events to improve post-anesthetic outcomes.
9. Transform health care and care systems by using analytic methods to critically-appraise the literature, translate evidence into clinical practice, and develop best practices.

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<sup>1</sup>Council on Accreditation of Nurse Anesthesia Educational Program (COA) –<https://www.coacrna.org/>

<sup>2</sup> National Board of Certification and Recertification of Nurse Anesthetists (NBCRNA) <https://www.nbcrna.com/>

<sup>3</sup> Self-Evaluation Examination (SEE) administered by NBCRNA

<sup>4</sup> National Certification Examination (NCE) administered by NBCRNA

10. Analyze data, health information systems, and emerging technologies to improve programs of care, outcomes of care, and care systems through innovation and knowledge application.
11. Employ strategic leadership skills to influence health policy, lead evidence-based changes in care systems, and advance the nurse anesthesia profession.
12. Collaborate with others to develop interactive, interprofessional teams that communicate effectively, enhance patient outcomes, and improve care systems.
13. Serve as a team leader, team member, and competent clinician in the fields of anesthesia care, critical care, and pain management and collaborate others to expand their knowledge in these areas.
14. Analyze the cost-effectiveness of practice initiatives with consideration of risks and improvements in health outcomes.
15. Demonstrate active professional commitment and involvement in both the state organization for nurse anesthetists (California Association of Nurse Anesthetists) and the national organization (American Association of Nurse Anesthetists).

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