Outcome Criteria for Student Upon Graduation

(Doctorate Student Learning Outcomes/DSLOs)

Practice Doctorate

As per the COA Standards of Accreditation Practice Doctorate (last revised June 2016), graduates from MTSA's Doctorate of Nurse Anesthesia Practice (DNAP) program will acquire knowledge, skills, and competencies in patient safety, perianesthetic management, critical thinking, communication, leadership, and professionalism. Measurement of these DSLOs occur throughout the program in the course/clinical experience in which they reside.

Patient safety

The graduate must demonstrate the ability to:

1. Be vigilant in the delivery of patient care.
2. Refrain from engaging in extraneous activities that abandon or minimize vigilance while providing direct patient care (e.g., texting, reading, emailing, etc.).
3. Conduct a comprehensive equipment check.
4. Protect patients from iatrogenic complications.

Perianesthesia

The graduate must demonstrate the ability to:

5. Provide individual care throughout the perianesthetic continuum.
6. Deliver culturally competent perianesthetic care.
7. Provide anesthesia services to all patients across the lifespan
8. Perform a comprehensive history and physical assessment.
9. Administer general anesthesia to patients with a variety of physical conditions
10. Administer general anesthesia for a variety of surgical and medically related procedures.
11. Administer and manage a variety of regional anesthetics.
12. Maintain current certification in ACLS and PALS.

Critical Thinking

The graduate must demonstrate the ability to:

13. Apply knowledge to practice in decision making and problem solving.
14. Provide nurse anesthesia services based on evidence-based principles.
15. Perform a preanesthetic assessment before providing anesthesia services.

16. Assume responsibility and accountability for diagnosis.
17. Formulate an anesthesia plan of care before providing anesthesia services.
18. Identify and take appropriate action when confronted with anesthetic equipment-related malfunctions.
19. Interpret and utilize data obtained from noninvasive and invasive monitoring modalities.
20. Calculate, initiate, and manage fluid and blood component therapy.
21. Recognize, evaluate, and manage the physiological responses coincident to the provision of anesthesia services.
22. Recognize and appropriately manage complications that occur during the provision of anesthesia services.
23. Use science-based theories and concepts to analyze new practice approaches.
24. Pass the national certification examination (NCE) administered by NBCRNA.

Communication

The graduate must demonstrate the ability to:

25. Utilize interpersonal and communication skills that result in the effective exchange of information and collaboration with patients and their families.
26. Utilize interpersonal and communication skills that result in the effective interprofessional exchange of information and collaboration with other health care professions.
27. Respect the dignity and privacy of patients while maintaining confidentiality in the delivery of interprofessional care.
28. Maintain comprehensive, timely, accurate, and legible heathcare records.
29. Transfer the responsibility for care of the patient to other qualified providers in a manner that assures continuity of care and patient safety.
30. Teach others.

Leadership

The graduate must demonstrate the ability to:

31. Integrate critical and reflective thinking in his or her leadership approach.
32. Provide leadership that facilitates intraprofessional and interprofessional collaboration.

Professional Role

The graduate must demonstrate the ability to:

33. Adhere to the Code of Ethics for the Certified Registered Nurse Anesthetist.
34. Interact on a professional level with integrity.
35. Apply ethically sound decision-making processes.
36. Function within legal and regulatory requirements.
37. Accept responsibility and accountability for his or her own practice.
38. Provide anesthesia services to patients in a cost-effective manner.
39. Demonstrate knowledge of wellness and substance use disorder in the anesthesia profession through completion of content in wellness and substance use disorder.
40. Inform the public of the role and practice of the CRNA.
41. Evaluate how public policy making strategies impact the financing and delivery of healthcare.
42. Advocate for health policy change to improve patient care.
43. Advocate for health policy change to advance the specialty of nurse anesthesia.

44. Analyze strategies to improve patient outcomes and quality of care.
45. Analyze health outcomes in a variety of populations.
46. Analyze health outcomes in a variety of clinical settings.
47. Analyze health outcomes in a variety of systems.
48. Disseminate research evidence.
49. Use information systems/technology to support and improve patient care.
50. Use information systems/technology to support and improve healthcare systems.
51. Analyze business practices encountered in nurse anesthesia delivery settings.

DNAP Completion

Critical Thinking

The graduate must demonstrate the ability to:

- Provide nurse anesthesia services based on evidence-based principles. (14*)
- Use science-based theories and concepts to analyze new practice approaches. (23)

Communication

The graduate must demonstrate the ability to:

- Utilize interpersonal and communication skills that result in the effective interprofessional exchange of information and collaboration with other health care professions. (26)

Leadership

The graduate must demonstrate the ability to:

- Integrate critical and reflective thinking in his or her leadership approach. (31)
- Provide leadership that facilitates intraprofessional and interprofessional collaboration. (32)

Professional Role

The graduate must demonstrate the ability to:

- Adhere to the Code of Ethics for the Certified Registered Nurse Anesthetist. (33)
- Apply ethically sound decision-making processes. (35)
- Inform the public of the role and practice of the CRNA. (40)
- Evaluate how public policy making strategies impact the financing and delivery of healthcare. (41)
- Advocate for health policy change to improve patient care. (42)
- Advocate for health policy change to advance the specialty of nurse anesthesia. (43)
- Analyze strategies to improve patient outcomes and quality of care. (44)
- Analyze health outcomes in a variety of populations. (45)
- Analyze health outcomes in a variety of clinical settings. (46)
- Analyze health outcomes in a variety of systems. (47)

- Disseminate research evidence. (48)
- Use information systems/technology to support and improve patient care. (49)
- Use information systems/technology to support and improve healthcare systems. (50)

These DSLOs are adopted by MTSA from the mandated list by COA for completion degrees. The number in parentheses after each DSLO is the number associated with COA's list of 51 DSLOs for entry level programs.