



Middle Tennessee School of Anesthesia

*Reflecting Christ in
Anesthesia Education*

2001 CATALOG AND RECRUITMENT MANUAL

**Master Of Science
with a focus
in Nurse Anesthesia**

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INTRODUCTION

The Middle Tennessee School of Anesthesia, Inc. (MTSA), is a non-profit Tennessee corporation qualified as a 501(c)3 organization in accordance with the Internal Revenue Code of 1986. Middle Tennessee School of Anesthesia is owned by Middle Tennessee School of Anesthesia, Inc. and is operated by a Board of Trust. Trustees represent the medical, health care, education, church, and legal industries. The Board of Trustee members contribute broad and varied interests, abilities, and experience. The Board is charged with policy decisions and ensuring the future advancement of the Middle Tennessee School of Anesthesia. It delegates interim authority to the Administrative Committee of the Middle Tennessee School of Anesthesia. Operational authority is delegated to the President/Medical Director and Vice-President/Dean.

The Board of Trustee members are as follows:

Nevin H. Downs, MD
Chairman (Presiding Officer)

Mark Westlake, JD
Secretary

Andrew Boskind, MD

Larry Boughman, PhD

Jimm Bunch, MBA, MDV

Ken Crawford, CRNA, MS

Doug Hilliard, BA, BS

Clint Kreitner, MS, MPA

Nila Sherrill, MA

Marc Siegel, MD

David Whitten, MBA

The officers of the Middle Tennessee School of Anesthesia are as follows:

William O.T. Smith, M.D.
President/Medical Director

Mary Elizabeth DeVasher
CRNA, MEd, MS
Vice-President/Dean

Patsy Logue
Secretary/Treasurer
Business Manager

Dean Hunt, EdD
Education Coordinator
Assistant Dean

MISSION STATEMENT

The Middle Tennessee School of Anesthesia functions to provide graduate education specific to anesthesia, in both academic and clinical areas, to qualified registered nurses holding a baccalaureate degree. These nurses wish to earn the Degree of Master of Science with a focus in Nurse Anesthesia, and complete the academic and clinical requirements to become eligible to take the Certification Examination, to become Certified Registered Nurse Anesthetists. It also provides a mechanism whereby Certified Registered Nurse Anesthetists can complete the degree requirements. Graduates will be able to teach anesthesia related subjects, should they desire, and assist in the preparation of the next generation of anesthesia providers.

In harmony with a broad overall mission of reflecting Christ in its educational program, and in keeping with its Seventh-day Adventist heritage, the Middle Tennessee School of Anesthesia conducts its academic classes with an exposure to Christian, Seventh-day Adventist beliefs.

By this educational effort, it is the mission of the Middle Tennessee School of Anesthesia to contribute to filling the community needs for anesthesia providers in Nashville, Middle Tennessee, Central South, regionally, and nationally.

Reviewed, revised 2000

ACCREDITATION

Middle Tennessee School of Anesthesia is fully accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, a specialized accrediting body recognized by the Council for Higher Education Accreditation (CHEA)

Middle Tennessee School of Anesthesia is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: telephone number 404-679-4501) to award the degree of Master of Science with a focus in nurse anesthesia.

CURRENT ADMISSION REQUIREMENTS

- ◆ A baccalaureate degree in nursing or a licensed Registered Nurse with a baccalaureate degree in any related field of science is required for interview and admission to the School. If the baccalaureate degree is not in nursing, the applicant must have at least 15 semester hours of biophysical sciences beyond the basic nursing degree (associates degree or diploma program graduate).
- ◆ Current licensure as a professional Registered Nurse. After acceptance into the program, the student will need to have a Tennessee license **prior to enrollment**. The Tennessee Board of Nursing address is:

Tennessee Board of Nursing
Cordell Hull Building
1st Floor, 426 5th Avenue, North
Nashville, TN 37347-1010
Phone (615) 532-3202

Additional Requirements regarding licensure

After the student has been enrolled, and early in the second year of school, the RN license in Ohio must be obtained. Obtaining this license and meeting all the continuing education requirements for such licensure, is the student's responsibility. The student is encouraged to obtain information about the licensure prior to enrollment. However, as a cost containment measure, the student should wait until the latter part of the first year to actually apply for licensure. The student will submit a copy of their Ohio license to the clinical assistant within the first ten months of the program. The Ohio Board of Nursing address is:

Ohio Board of Nursing
17 South High Street, Suite 400
Columbus, Ohio 43215-3413
Phone (614) 466-3947

Should the student desire to participate in any other out-of-state affiliate such as a Senior Elective in any other state, licensure in that state must be presented to the administration of Middle Tennessee School of Anesthesia prior to full approval of that elective.

- ◆ A minimum of one year recent nursing experience in an acute care patient setting. Highest priority is given to applicants who have the most recent work in high acuity, large hospital ICU or CCU settings where the applicant is likely to have a broad base of invasive hemodynamic monitoring experience. While not an area of highest priority, applicants will be considered who work in recovery rooms where patients routinely have invasive monitors. Emergency room experience will be considered only if the candidate can demonstrate he/she cares for patients with invasive monitors in this setting.
- ◆ Current Advanced Cardiac Life Support (ACLS) Provider Status Certification with certification by October 31. If applicants are certified at the time of interview, and certification lapses between the interview and enrollment date, the applicant will not be required to take it again before enrollment, because it will be taken during Broadfields Orientation.
- ◆ Complete a class in physical assessment within the past five years. Students graduating from a BSN program within the past five years have had this included in their program. Graduates from a BSN program longer than five years ago and graduates from an AS or diploma nursing program, who have the baccalaureate degree in an area other than nursing, must supply documentation of completing a specific course in physical assessment. This course does not have to be taken at a university, but may be as simple as a two-day hospital offered course. For information regarding such a course in the Nashville area, please contact the Critical Care Program at Middle Tennessee State University (615) 898-5340.
- ◆ Official transcripts of all academic work.
- ◆ Minimum 3.0 GPA (including minimum 3.0 GPA in science areas.)
- ◆ Organic Chemistry (desirable, **but at this time**, not required.) **NOTE: Organic Chemistry will be a requirement for the incoming class of August, 2003.**
- ◆ Five personal references utilizing the two-page MTSA form.
- ◆ A brief personal letter addressed to the Admissions Committee (to be received by October 31) summarizing experience, with reasons for wishing to become an anesthetist.
- ◆ A personal interview with the Admissions Committee.

- ◆ MTSA is currently transitioning from the Miller Analogies Test (MAT) to the Graduate Record Examination (GRE). While the GRE is preferable, we will accept MAT scores for students entering the program in 2002. Results from the GRE or MAT must be submitted to MTSA by October 31. Call your local university and ask for the nearest testing center.

Other Admissions Issues

Foreign nurses, who are appropriately credentialed in their own country and seeking to come to the United States on a Non-Immigrant Educational Visas (J-1) must, in addition to meeting all federal and state statutory and regulatory requirements, demonstrate successful completion of the examination administered by the Commission on Graduates of Foreign Nursing Schools (CGFNS) prior to admission into an accredited nurse anesthesia educational program. Graduates who have not achieved licensure as professional nurses in the United States will not meet the eligibility requirements for certification in the specialty of anesthesia.

Middle Tennessee School of Anesthesia admits students in August, therefore the full Admissions Committee only meets once a year.

The deadline* for a completed application form is the preceding September 30th to qualify for an interview for the August class. All other file requirements are due October 31. When the exact date of the interview has been established, and the Screening Committee has determined an applicant competitively qualified to meet with the full Admissions Committee, then the applicant will be invited by letter to attend the interview.

Enrollment into the School is once a year. Classes begin in late July or early August with a class usually consisting of 38 to 40 students.

Applicants are invited to call and make an appointment to visit the School and "shadow" a student for a day in both the clinical and academic areas. A nursing license is required for admittance into the clinical area. It is suggested that interested individuals call the office to make an appointment approximately one week prior to a visit, and again the day before to make sure the surgery schedule will provide an interesting and informative experience. Due to the large number of applicants that apply to the School, visits will be limited. After November 30, only those applicants who have not yet "shadowed" may do so.

Early Interviews: Applicants meeting the following criteria may be granted an early interview with the Screening Committee:

1. Have an undergraduate cumulative GPA at approximately 3.5 and above.
2. Have a cumulative science GPA at approximately 3.5 and above.
3. Have excellent recommendations from immediate supervisors and co-workers.

In addition, applicants that have been accepted at another anesthesia program but desiring to attend MTSA and meeting criteria as desired in 1,2 and 3 above, may request the early interview.

Applicants accepted through the early interview process must pay the nonrefundable \$2,000.00 deposit upon acceptance. Applicants not accepted at the interview will be eligible to re-interview at the regular Admissions Committee in January. Files must be completed prior to the interview date. The Admissions Committee reserves the right to limit the early interviews. No early interviews will be conducted after December 15.

Applicants re-applying must meet the following requirements:

1. Submit a letter asking that their file remain active.
2. Submit a \$25.00 re-application fee by September 30.
3. Submit a minimum of two references from professionals who have observed their performance during the past year, one being from an immediate supervisor.
4. Submit a transcript reflecting a minimum of three semester hours in an upper division biophysical science course (i.e., Organic Chemistry, Advanced Pathophysiology, Physics, Biochemistry, Pathophysiology) completed within the past year or since last meeting with the Admissions Committee. Grades less than 'B' are not considered competitive; grades of 'A' are expected.
5. Continue working in an active acute care area with exposure to invasive hemodynamic monitors and ventilated patients.

ADMISSION PROCEDURES (accomplish the following):

- ◆ The deadline* for receiving applications, and the application fee of \$25, is September 30. The deadline* for a complete file (all reference letters and all transcripts received) is October 31. Personal interviews by the Admissions Committee may not be granted to applicants who fail to meet these deadlines.
- ◆ Submit five names for references. These **must** include immediate nursing supervisor and a co-worker --additional suggestions are: other co-workers, preceptors, physicians and CRNAs with whom the applicant has worked closely. Please have **correct** and **complete** addresses and phone numbers listed in the event MTSA needs to contact them for further recommendation or clarification. **The applicant** is responsible for contacting references with the two page reference forms provided with the application form. The waiver must be signed and dated with references returned directly to the office. The deadline* to have all references received by MTSA is October 31.
- ◆ Submit GRE or MAT scores. See page 7 for details.
- ◆ Submit a copy of current ACLS certification.
- ◆ Submit a copy of current nursing license.
- ◆ Submit a personal letter to the Admissions Committee briefly describing your background and reason for desiring the specialty of anesthesiology.
- ◆ Official academic transcripts must be submitted from **every** institution of higher learning. MTSA cannot accept transcripts stamped "Issued to Student," the transcripts must be sent to MTSA directly from the institution. (It is highly recommended that the nursing school (cumulative) grade point average (GPA) be at least 3.0 based on a 4.0 grading system, and the science GPA be at least 3.0). Remediation may be suggested by the Admissions Committee for individuals not meeting the suggested GPA. These transcripts must demonstrate that all general education curriculum required by the Southern Association of Colleges and Schools to earn the baccalaureate degree are met.

Prior to acceptance, there will be a **brief** personal interview with the entire Admissions Committee of the School of Anesthesia (13-18 members). The Admissions Committee usually meets in January. Applicants having completed their files by October 31st will have those files submitted to the Screening Committee. If the Screening Committee determines the applicant to be competitively qualified, the applicant will be sent a letter inviting them to interview.

Repeat applicants, please refer to the previous section in regards to all

submissions prior to consideration for a second interview.

Early admissions interview, please refer to the previous section in regards to all submissions and procedures for requesting the early interview with the Screening Committee.

All candidates for admission must be prepared for clinical questions relating to physiology, pharmacology, hemodynamic monitor information, ventilators and other questions related specifically to their critical care nursing experience.

Selection by either the Screening Committee or the full Admissions Committee is based on the applicant's GPA (cumulative and science specifically), references and presentation during their personal interview. Each member of the Admissions Committee is given the responsibility to vote conscientiously after each interview. Scores are collected prior to interviewing the next candidate. Justification by either committee for acceptance or rejection of a candidate is not required nor noted in the applicant's file. If there are areas where it is felt applicants could improve their chances for admission, the committee members are invited to express them. Any questions regarding admission requirements should be directed to the Vice-President/Dean.

***Deadlines may be extended only by special vote of the Screening Committee. Candidates contacting the school after the deadline stated and wishing to be considered need to tell the receptionist they are requesting a special consideration by the Screening Committee.**

NONDISCRIMINATORY POLICY

Middle Tennessee School of Anesthesia admits students without regard to race, color, sex, age, disability, marital status, religion or ethnic origin, to all the rights, privileges, programs, and activities generally accorded or made available to students at the School. It does not discriminate on the basis of race, color, sex, age, disability, marital status, religion, national or ethnic origin, in administration of its educational policies, admission policies, grant and loan programs or any other School-administered programs. The School will make reasonable accommodation wherever necessary for all applicants with disabilities, provided that the individual is otherwise qualified to safely perform the duties and assignments connected with the academic and clinical requirements of the curriculum.

HISTORY OF THE SCHOOL

Madison Hospital School of Anesthesia for nurses was founded in 1950 by Bernard Bowen, CRNA, under the sponsorship of Madison Hospital. It has been in continuous operation since that time. The program got its start when Mr. Bowen was invited to Madison by Dr. James D. Schuler, a surgeon, and Dr. Julian C. Gant, who was the Medical Director of the hospital. Since that time, more than 900 graduates have gone out from Madison to provide high quality anesthesia service throughout the United States and in many parts of the world.

Through the years, all persons connected with the School, both students and teachers have contributed to the success of the School and to the growth of nurse anesthesia as a profession. Middle Tennessee School of Anesthesia is proud to carry on the tradition of excellence that was so firmly established by Bernard Bowen, his staff, and students.

As of July 1, 1980, the School of Anesthesia changed from Madison Hospital School of Anesthesia to Middle Tennessee School of Anesthesia. Tennessee Christian Medical Center, formerly Madison Hospital, continues to provide strong support for the School in the form of a leased building, and operative facilities, but no longer functions as the controlling body. That function passed to Nashville Anesthesia Services, a partnership of physicians. In 1983 the institution was changed to a non-profit organization, School of Anesthesia, Inc., dba Middle Tennessee School of Anesthesia, Inc., under the guidance of a Board of Trustees composed of leading businessmen involved in the financial, legal, and medical industries. In addition to specificity accreditation in anesthesia through the Council on Accreditation of Nurse Anesthesia Educational Programs of the American Association of Nurse Anesthetists, in December of 1994, MTSA received regional accreditation through the Commission on Colleges of the Southern Association of Colleges and Schools (SACS). The latter enabled the School to grant a master's degree.

SCHOOL PHILOSOPHY

Middle Tennessee School of Anesthesia recognizes the expanded role that Certified Registered Nurse Anesthetists (CRNA) fill as contributing members of the health care team. It is no longer enough that nurse anesthetists be skilled in anesthesia administration, as important as that is; but, in addition, they must be able to assess their patients' medical status, and plan a comprehensive anesthetic management program that encompasses both the pre and post-anesthetic periods, as well as the operative period. To this end, the School aims

to provide the facilities an academic climate necessary for the student to attain the body of knowledge and technical skills consistent with high standards of practice.

In recognition of the important role played by CRNAs in the nation, but more specifically in the southeastern region of the United States, the School is historically constituted and strategically located, so as to play a vital part in meeting continuing needs for well prepared anesthetists, regionally and nationally.

It is the philosophy of the School that true education involves the growth of the spiritual, intellectual, and physical aspects of the student. In keeping with this belief, the faculty seeks to provide a balanced program between the academic and clinical phases, so that knowledge and skills may be developed concurrently. Thus, it offers an integrated curriculum with academic and clinical experience occurring simultaneously. The acquisition of both intellectual and technical skills should start with the basic and simple and progress in logical steps to the more complex and advanced; each step building on the previous ones. Throughout the entire educational process, Christian values, like a golden thread, should be emphasized in the daily lives of both faculty and students; for both their benefit and that of their patients.

It is the philosophy of the School that the role of the student is one of an active participant in the educational process. This means students may participate in seminars, present case studies, write term papers, and maintain an outside reading program.

It is the philosophy of the School that the body of knowledge that constitutes the art and science of anesthesia is ever growing and ever changing. In keeping with this belief, the School endeavors to foster in both faculty members and students a thirst for knowledge and an intellectual curiosity that will promote a lifelong of professional growth and a desire for excellence. Graduates will be able to teach anesthesia-related subjects, should they desire, and to assist in the preparation of the next generation of anesthesia providers.

It is the goal of the School that graduates be well qualified to fill first level positions, and be capable of working with other CRNAs or MDAs; or if necessary, to be able to function under the direction of a surgeon only.

Furthermore, it is the philosophy of the School that it be operated as a freestanding, single purpose, anesthesia specific, graduate degree granting institution; rather than be enveloped by a multi-disciplinary university.

OUTCOME CRITERIA FOR STUDENTS UPON GRADUATION

Graduates of this program shall have demonstrated the attitude, knowledge, skills, and judgments consistent with the safe and effective practice of anesthesia; and will demonstrate competence in the following:

1. Performing and documenting a pre-anesthetic patient assessment and preparation
2. Evaluating patient history, physical indices, and diagnostic data
3. Preparing a comprehensive anesthetic care plan based on all pertinent data
4. Conducting a comprehensive and appropriate equipment check
5. Administering general anesthesia to a broad population, utilizing a wide variety of agents and techniques
6. Administering and managing regional anesthetic techniques, including:
 - a. Spinal blocks (hyper and hypo baric); this includes actual insertion of the spinal needle and all other related skills
 - b. Intravenous blocks (Bier block)
 - c. Epidural blocks
7. Evaluating the patient's fluid and electrolyte levels, and administering appropriate replacement therapy
8. Using and interpreting data from a wide variety of current invasive and non-invasive monitoring modalities
9. Recognizing abnormal patient response during anesthesia, and implementing safe and effective corrective action; and knowing when to seek appropriate consultation in situations that exceed the capacity of the nurse anesthetist to respond unaided
10. Utilizing anesthesia related equipment, identifying and taking appropriate action when confronted with anesthetic equipment-related malfunction
11. Positioning or supervising positioning of patients to assure optimal physiologic function and safety
12. Acting as a team leader or member in cardiopulmonary resuscitation and possessing both advanced cardiac life support (ACLS) recognition and pediatric advanced life support (PALS) recognition
13. Performing arterial cannulation for blood gas determinations and taking appropriate action with reference to screening pulmonary function and blood gas determinations
14. Serving as a resource person for respiratory and airway management care of patients
15. Using appropriate principles of basic and behavioral sciences in protecting patients from iatrogenic complications
16. Utilizing universal precautions and appropriate infection control measures

17. Teaching selected anesthesia related concepts to patients and health-related personnel
18. Having awareness of, and responding to personal and professional strengths and limitations
19. Knowing and functioning within the appropriate legal requirements as a licensed professional, and accepting responsibility and accountability for their own actions
20. Functioning in a crisis in dealing with patients and their families, as members of the health-care team
21. Interpreting anesthesia related research data
22. Completing a research of education project
23. Participating in quality management activities
24. Demonstrating personal and professional integrity and the ability to interact on a professional level

Reviewed, Revised 2001

G ***RADUATION REQUIREMENTS***

Satisfactory completion of all academic courses, Valley Review, and the comprehensive examination requirements. (For complete information regarding the comprehensive examination, please refer to pages 36 and 37 of the Catalog.)

Satisfactory completion of all categories of clinical procedures required by the Council on Accreditation of Nurse Anesthesia Educational Programs.

Satisfactory completion of practicum at assigned affiliates, and senior electives including the MTSA required care plans and clinical case records.

Completion of the 27-month program with absences in excess of twenty-five days vacation, twelve holidays, and six personal/sick days being made up prior to graduation.

Completion of any financial obligations to the School.

Participation in the graduation exercise, unless specific prior permission for graduation in absentia is granted by the Administrative Committee. Exceptions generally will not be made unless the circumstances preventing attendance are beyond the control of the student.

CREDENTIAL AWARDED

Upon satisfactory completion of the program at Middle Tennessee School of Anesthesia, the student is awarded a diploma with the degree of Master of Science with a focus in nurse anesthesia. The student is then eligible to take the Certification Examination under the direction of the Council on Certification of Nurse Anesthetists, an autonomous council of the American Association of Nurse Anesthetists. Upon successful completion of this exam, the graduate will bear the title of Certified Registered Nurse Anesthetist (CRNA).

LOCATION AND FACILITIES

ACADEMIC FACILITIES

Middle Tennessee School of Anesthesia has offices and classroom facilities located on the campus of the Tennessee Christian Medical Center, Madison, Tennessee. Teaching facilities include two modern well-equipped classrooms, the Nelda Fay Ackerman Learning Resource Center, and clinical facilities of the parent and affiliate hospitals. The academic courses are conducted at the School on the campus of the Tennessee Christian Medical Center.

CLINICAL FACILITIES

The desirability of providing students an enrichment to their learning experience through affiliations with other health care institutions, is recognized by Middle Tennessee School of Anesthesia. Accordingly, students should be prepared to affiliate at institutions in the Nashville area and elsewhere. Currently, affiliations are conducted at the following institutions:

HOSPITAL**LOCATION**

<i>Alvin C. York VA Medical Center</i>	<i>Murfreesboro, TN</i>
<i>Blanchfield Army Community Hospital</i>	<i>Ft. Campbell, KY</i>
<i>Centennial Medical Center</i>	<i>Nashville, TN</i>
<i>Columbus Children's Hospital*</i>	<i>Columbus, OH</i>
<i>Cumberland Medical Center**</i>	<i>Crossville, TN</i>
<i>Hendersonville Community Hospital</i>	<i>Hendersonville, TN</i>
<i>Metro Nashville General Hospital</i>	<i>Nashville, TN</i>
<i>Maury Regional Hospital</i>	<i>Columbia, TN</i>
<i>Skyline Medical Center</i>	<i>Madison, TN</i>
<i>Summit Medical Center</i>	<i>Hermitage, TN</i>
<i>Tennessee Christian Medical Center</i>	<i>Madison, TN</i>
<i>Tennessee Christian Medical Center, Portland</i>	<i>Portland, TN</i>
<i>Vanderbilt University Medical Center</i>	<i>Nashville, TN</i>
<i>Veterans Administration Medical Center</i>	<i>Nashville, TN</i>

**When students go on affiliation to the Columbus Children's Hospital, they will receive a "one time travel expense" (\$125) to help cover the cost of the trip to and from this institution. Living quarters are provided by the anesthesia staff at no cost to the student while on affiliation at Columbus. A \$200 per month dislocation allowance plus meal tickets for days on call are provided to the student by this facility. The dislocation allowance and meals are subject to change as they are donated by the facility anesthesiologists.*

***Students are provided a room and a dislocation allowance while affiliating at Cumberland Medical Center, Crossville, TN.*

Any other travel expenses and living expenses at out-of-town affiliations are the responsibility of the student.

The School retains the right to change affiliations or length of rotations at any time.
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OPTIONAL AFFILIATES

MTSA recognizes that there are hospitals and anesthesia groups willing to give clinical instruction to students that cannot accommodate the entire student body of MTSA. For this reason, "Senior Electives" have been developed. Each student must participate in a Senior Elective taken during the last two months of the program. There is a Senior Elective fee that must be paid by either the affiliate or the student. The actual fee depends on the location chosen: \$2,000 if in the Nashville area, or \$2,500 if outside the Nashville area and not already a full-time affiliate. The affiliate hospital agrees to have the position for a limited number of MTSA students. These facilities have the right to approve or disapprove student participation in the affiliation. Students seeking additional time, or time other than the last two months, must submit a special request.

Those requests made first, and with the hospitals already having contracts with MTSA, will be considered first. Permission to participate in alternate or additional times depends on all full-time affiliates having a full complement of students, and the student meeting pre-determined criteria for participation. Additional facilities have participated in the "Senior Elective" program in the past:

HOSPITAL	LOCATION
<i>Anesthesiology Medical Group</i>	<i>Nashville, TN</i>
<i>The Women's Center</i>	
<i>Centennial Medical Center</i>	
<i>St. Thomas Hospital</i>	
<i>Summit Medical Center</i>	
<i>Baptist Hospital of East Tennessee</i>	<i>Knoxville, TN</i>
<i>Baptist Hospital</i>	<i>Nashville, TN</i>
<i>Baptist Medical Center</i>	<i>Little Rock, AR</i>
<i>BMC Montclair & Princeton</i>	<i>Birmingham, AL</i>
<i>Brackenridge Hospital</i>	<i>Austin, TX</i>
<i>Candler Hospital</i>	<i>Savannah, GA</i>
<i>Claremore Regional</i>	<i>Claremore, OK</i>
<i>Cookeville Regional Medical Center</i>	<i>Cookeville, TN</i>
<i>Cardiovascular Anesthesiologists</i>	
<i>St. Thomas Hospital</i>	<i>Nashville, TN</i>
<i>Crestwood Hospital</i>	<i>Huntsville, AL</i>
<i>Crockett Hospital</i>	<i>Lawrenceburg, TN</i>
<i>DCH Regional Medical Center</i>	<i>Tuscaloosa, AL</i>
<i>Decatur General Hospital</i>	<i>Decatur, AL</i>
<i>DeKalb Medical Center</i>	<i>Decatur, GA</i>
<i>Dr. Dan C. Trigg Memorial Hospital</i>	<i>Tucumcari, NM</i>
<i>Eliza Coffee Memorial Hospital</i>	<i>Florence, AL</i>
<i>Florida Hospital</i>	<i>Orlando, FL</i>
<i>Frank T. Rutherford</i>	<i>Carthage, TN</i>
<i>Grant Medical Center</i>	<i>Columbus, OH</i>
<i>Greenwood Leflore Hospital</i>	<i>Greenwood, MS</i>
<i>South Sunflower County Hospital</i>	
<i>Harton Regional Medical Center</i>	<i>Tullahoma, TN</i>
<i>Helen Keller Hospital</i>	<i>Sheffield, AL</i>
<i>Horizon Medical Center</i>	<i>Dickson, TN</i>
<i>Huntsville Hospital</i>	<i>Huntsville, AL</i>
<i>Jackson Clinic</i>	<i>Jackson, TN</i>
<i>Jackson Madison County General Hospital</i>	
<i>Jewish Hospital</i>	<i>Louisville, KY</i>
<i>LeBonheur Children's Medical Center</i>	<i>Memphis, TN</i>
<i>Lourdes Hospital</i>	<i>Paducah, KY</i>
<i>Marymount Medical Center</i>	<i>London, KY</i>
<i>Medical Center at Bowling Green</i>	<i>Bowling Green, KY</i>

Methodist Hospital of Memphis
Memorial Mission Hospital
Miami Valley Hospital
Middle TN Medical Center
Morton Plant Hospital
North Mississippi Medical Center
Our Lady of Bellefonte
Sparks Medical Center
St. Joseph Hospital
St. Thomas West End Anesthesia
United Hospital
University Hospital
Western Baptist Hospital

Memphis, TN
Asheville, NC
Dayton, OH
Murfreesboro, TN
Clearwater, FL
Tupelo, MS
Ashland, KY
Ft. Smith, AR
Memphis, TN
Nashville, TN
St. Paul, MN
Jackson, MS
Paducah, KY

The student must meet the following criteria to be eligible for consideration for a Senior Elective:

- ◆ Maintained an overall 3.0 GPA
- ◆ No failures in any class
- ◆ Above average clinical evaluations
- ◆ Affirmative vote by the Administrative Committee
- ◆ Met or have the potential to meet all case requirements
- ◆ Specific permission from the Administrative Committee if the student has been placed on probation for any cause

Students not meeting these criteria will be assigned at one of the traditional affiliates and are responsible for the charged for Senior Electives

MTSA is willing to develop a Senior Elective with any large anesthesia department willing to offer specific clinical experience to students, and whose CRNAs and anesthesiologists are capable and desirous of becoming clinical instructors and are willing to enter into our senior elective contract agreement. The School does not provide living accommodations for students, the affiliate or the student is expected to cover this.

TUITION AND FEES

- ◆ \$25 Application fee (include with application).
- ◆ \$25 Reapplication fee (for each year your file remains active).

- ◆ \$2,000 non-refundable deposit – (fee set each year by the Board of Trustees) (To be submitted upon receipt of acceptance letter). This deposit verifies your position in the class and applies toward Period I tuition.
- ◆ Text Books* -- Students will purchase textbooks upon entrance into the program after the School sends the list of textbooks for the school year in which the student is accepted. Current approximate retail value of required textbooks is \$1,000 (prices subject to change).
- ◆ \$7,500 (minus the non-refundable deposit already paid) for Period I. This amount is due and payable upon entry into the School.
\$6,500 tuition for Period II, collected May 1.
\$4,500 tuition for Period III, collected February 1.

While it is projected the tuition will be as stated above, MTSA reserves the right to change tuition and fees on a year-to-year basis.

- ◆ \$100 Equipment Fee - In addition, the anesthesia student will purchase an earpiece and protective eyewear.
- ◆ \$20 American Association of Nurse Anesthetists (AANA) Associate Membership*.

Associate membership in the AANA is required by MTSA. Membership entitles the student to a subscription to the Association Publications, a card designating associate membership, and the privilege of attending AANA functions, workshops, and meetings. Students are required to attend local district TANA educational meetings, educational workshops and projects. Students may select to attend Saturday or Sunday on the TANA weekend meetings or any required weekend educational meeting, depending on their choice for a day of worship.

- ◆ \$100 Library Fee per year (This fee does not cover the cost of personal photocopying or overhead transparencies).
- ◆ \$100 Laboratory Fee - first year only.
- ◆ \$110 Self Evaluation Examination (SEE) Fee* year one only.
The SEE is a computer examination administered by the Council on Certification of Nurse Anesthetists of the American Association of Nurse Anesthetists through the Sylvan Learning Center.
- ◆ \$110 Board Review Exams year two only.
- ◆ \$450 EKG/ACLS/PALS Combined Course Fee* - (first year only).
- ◆ \$400 Boards Review Seminar per year (external course brought to MTSA).

Juniors and seniors will complete two anesthesia seminars administered by a professional external board review organization. As one group of seniors will be on outside affiliations when the seminar is conducted, it will be video-taped and presented to this group as a Video Review Seminar and one-half of the seminar fee will be refunded. It is felt that these seminars administered by non-MTSA faculty will provide broad exposure in preparation for the MTSA comprehensive examinations and both the Self Evaluation Examination and the certification examination.

- ◆ \$550 Certification Examination Fee* - (as of January 1, 2001).
Students are to take the computer generated Certification Examination prepared by the Council on Certification of Nurse Anesthetists (CCNA) at the first opportunity following their course completion. The \$550 fee for this examination must be paid in advance with Period III tuition. In the event a student fails all or part of the certifying examination, the student must reapply to retake the examination, **and pay the fee again.**

In order for applicants to take the Certification Examination, all transcripts are sent to the Council on Certification prior to the deadline set by this Council. Since 1996, the exam has been administered by computer; and graduates are allowed to take the exam more than twice in one year. These exams are scheduled by the student through the Sylvan Learning Center.

MTSA will prepare the official CCNA transcript using clinical hours and totals from the Clinical Experience Record form. The final Clinical Experience Record will be retained in the student's file should actual totals be needed by the student, the school, or future employers.

- ◆ \$175 Graduation Fee.
- ◆ \$200 Possible Liability Insurance Fee.
A portion of tuition is directed toward liability insurance. This fee will not be charged unless there is an increase in the second year liability insurance premium. If the increase is greater than \$200 MTSA will bear the increase.

- ◆ Ohio Nursing License* - After the student has been enrolled, early in the second year of school and before the student is scheduled to affiliate at

Columbus Children's Hospital, an Ohio RN license must be obtained. Obtaining this license, and meeting all the continuing education requirements for such licensure is the student's responsibility. The student is encouraged to obtain information about the licensure prior to enrollment. However, as a cost containment measure, the student should wait until the latter part of the first year to actually apply for licensure. The student must have obtained this license and a copy must be given to the School before the student affiliates at Columbus Children's Hospital.

Ohio Board of Nursing
17 South High Street, Suite 400
Columbus, Ohio 43215-3413
Phone (614) 466-3947

- ◆ Nursing License in Other States* - Should the student desire to participate in any other out-of-state affiliate, or in a Senior Elective in any other state, licensure in that state must be presented to the Middle Tennessee School of Anesthesia prior to full approval of that elective.

**As these fees are mandated by parties other than MTSA, the student will be responsible for payment of any fee increases.*

The School operates on a relatively tight, fixed budget. Its primary source of income is tuition. Each class tuition is set in advance and is apt to fluctuate from year to year. Student selection policy is designed to accept only those students the Admissions Committee believes have the ability and desire to complete the academic and clinical components of the program.

NO TUITION OR FEES WILL BE REFUNDED TO ANY STUDENT WITHDRAWING FROM THE PROGRAM OR TERMINATING AFTER REGISTRATION.

SUMMARY OF TUITION AND FEES

	<i>Period I</i>	<i>Period II</i>	<i>Period III</i>
<i>Tuition</i>	\$7,500	\$6,500	\$4,500
<i>Fees:</i>			
<i>Equipment</i>	\$ 100		
AANA dues	\$ 20		
EKG/ACLS/PALS	\$ 450		
<i>Laboratory</i>	\$ 100		
<i>Library</i>	\$ 100	\$ 100	
SEE	\$ 110		
Board Review Exam		\$ 110	
Valley Review	\$ 400	\$ 400	
<i>*Senior Elective</i>			\$2,000/2,500
<i>Graduation</i>			\$ 175
Certification Exam			\$ 550
**Comp Exam (4th)			\$ 100
<i>Deposit Paid</i>	<\$ 2,000>		
TOTAL	8,780/6,780	\$7,110	\$7,325/7,825

THOSE ITEMS LISTED IN BOLD PRINT ARE PROVIDED BY EXTERNAL AGENCIES THAT MAY ALTER THE COST.

**Each student must select or be selected by an affiliate site during the last two months of the program. If the student does not choose, or is not accepted at a chosen site, MTSA will assign the student. The last two months is called a Senior Elective, and the fee for this must be paid by either the student or the affiliate. The actual fee depends on the location chosen: \$2,000 if in the Nashville area, or \$2,500 if outside the Nashville area and not already a full-time affiliate. If the affiliate selects not to pay, it is the student's responsibility to pay for the experience whether it is selected or assigned. All contracts between the school and affiliate have the suggested fee stated in them, and the affiliate is encouraged to pay. All Senior Elective affiliate sites will be encouraged to pay for students' housing and a dislocation allowance.*

*** Only if required to take a 4th comprehensive exam.*

OTHER EXPENSES (areas of expense (or related expenses) not covered by tuition or School fees)

1. Each student is required to have a physical examination and provide the School with all information required on the Health History form including:

The actual lab reports showing evidence of either immune or non-Immune for the titers Rubella, Rubeola, and Varicella.

An **annual** lab report for the TB skin test. If results are positive, an annual negative chest x-ray is required.

Record of hepatitis immunization series.

2. Each student must provide evidence of medical insurance coverage. The office needs such evidence current at all times in the student's file.
3. Uniforms - Appropriate operating room apparel will be furnished by the hospital. Necessary alterations are the responsibility of the student. Each student is required to own a white lab coat with his or her name and the word "Anesthesiology" in blue lettering on the upper left-hand pocket. This is to be worn any time the student makes rounds for pre-op or post-op visits to patients' rooms.
4. Parking - All students will park only in authorized parking lots both at Tennessee Christian Medical Center and at affiliating institutions. The parking places on each side of the parking lot next to the School of Anesthesia are primarily intended for the MTSA employees on the side nearest the church (ten spaces) and for the employees of the building adjacent to MTSA. However, students may use the most distant five parking spaces on either side as well as the parking spaces of the Madison Campus Seventh-day Adventist Church. Parking on the grass is not allowed.

Parking at Vanderbilt - The School pays Central Parking for a limited number of Vanderbilt parking cards and tags. These cards/tags are kept at the School by the Clinical Assistant. They are to be signed out by students only if they have a Vanderbilt scheduled rotation.

After the student's rotation at Vanderbilt ends, the student must sign the card/tag back in to the Clinical Assistant at the School. She will then give the card/tag to the next student scheduled to be at Vanderbilt. The student is not to pass the card/tag on to another student, but must turn it in personally. Failure to return the card/tag will result in a replacement fee (\$10.00) added to the student's graduation dues.

Parking at General Hospital is by parking pass. These passes are available only during the rotation and are distributed and collected by the General Hospital Anesthesia Department. Failure to return the parking pass will result in a replacement fee, which if not paid immediately will be collected before graduation.

5. Scrubs at Vanderbilt - Vanderbilt uses scrub vending machines. Each student scheduled there will be assigned an ID number by Vanderbilt. If the scrubs are not returned the student may be charged for them.
6. Meals - Meals are not provided. Arrangements for meals vary at each affiliation for seniors. Juniors returning to class from affiliates will be given adequate time for meals.
7. Housing - It is the students' responsibility to find housing. It is advisable, but not mandatory that they live within ten minutes of the Tennessee Christian Medical Center. The student is required to live within ten minutes of TCMC, or to stay at TCMC overnight when on call there. In the past, students have found it much easier when they can stay at their home while on call.
8. Technology requirements:
 - a. Calculator -- Texas Instruments 30xa is the calculator the statistics instructor uses. Purchase is recommended prior to the first quarter. It is further recommended that the student utilize it on general calculations in order to be familiar with it prior to statistics.
 - b. Nerve stimulator – the approximate cost is \$140 (7100 Microstim Plus) 1-800-638-7689.
 - c. Molded earpiece -- for ear in which your hearing is the best. Traditionally the School has a company come the first week and make earpieces. The charge is approximately \$40.00. If hearing is equal in both ears, you may be better served to get your primary earpiece for the right ear, as your instructor in the clinical area usually stands on your left side, allowing you to better hear instructions.
 - d. Protective eyewear.

- e. Beeper.
- f. While not a requirement, a cellular phone is recommended. As students travel to several affiliates, many select to have a cellular phone for emergency use.
- g. A home computer with Internet access.
- h. All students are required to have an answering machine on their home telephone.
- i. Portable Digital Assistant.
- j. An active electronic mail account.

Students will take non-inhouse call at Hendersonville Hospital and Metropolitan Nashville General Hospital at some time in the program. Housing should be easily accessible to these institutions as well.

The School does not pay student stipends. Dislocation allowances may be provided by affiliations in some distant Senior Elective sites.

While students are on rotation at the Children's Hospital in Columbus, Ohio, they take call and are given meal tickets **when on call**. They are also provided free lodging while rotating there. This free lodging is for the student only, and will not accommodate the student's family. Additionally, students may be required to share apartments/lodging facilities with a classmate. Students will also receive a dislocation allowance of \$200 per month provided by Columbus Children's Hospital. Both the meal tickets and the dislocation allowance are subject to change as both are donated by the anesthesiologist group.

Students on rotation in the Cumberland Medical Center, Crossville, TN are given free lodging and a dislocation allowance. Students may be required to share the apartments/lodgings with a classmate.

Should any provided lodging not be acceptable to students, they may provide their own lodging at their own expense within a reasonable distance from the affiliate.

HEALTH

If accepted, each applicant is required to undergo a complete physical examination using forms furnished by the School. These forms are mailed to applicants once they have been accepted into a class. The physical examination form must be completed and returned to the School by early July. A letter will notify the selected applicant of the exact date of the deadline. **Please note that the School reserves the right to refuse admittance of a student if the physical examination and health information deems that the person would be incapable of completing the program.**

If accepted, each applicant must have a recent complete physical examination and be in a state of satisfactory health. **The physician's report must include lab reports documenting titers for varicella, rubella, and rubeola.** This report must show evidence of either immune or non-immune for these titers. The actual report for the TB skin test, not just the results, must also be included with the forms. (The student is required to have another TB Skin Test at his/her expense during the second year of enrollment).

The health history, physical exam, and all lab reports must be submitted prior to entering the program.

All student health records may be shared with any clinical affiliate if requested. Students must sign a release of information form.

In keeping with MTSA's drug free environment, applicants will be asked to sign a statement relative to substance abuse prior to interview and enrollment and are expected to refrain from substance abuse as students. Students are expected to be good citizens, consequently, all applicants are asked to sign a form indicating any conviction of a felony other than a minor traffic violation. The School reserves the right to request unplanned drug testing should it be necessary.

The School does not assume the student's medical care nor provide health insurance. **The student must provide evidence of basic health insurance to the School within the first week of school.**

MALPRACTICE INSURANCE

Students are required to participate in the program for student malpractice coverage carried by the School with The State Volunteer Mutual Insurance Company underwriters, which provides basic limits of liability of \$1,000,000 per incident with an aggregate of \$3,000,000. The cost of the basic premium can

fluctuate. For the first year, a basic premium has been included in the tuition. Should the second year basic premium increase, the student will be charged a fee in the amount of the increase only, up to \$200. Should the increase be

greater than \$200, MTSA will cover the additional increase. Should it be determined that the actual limits of this basic insurance need to be increased, the student will be asked to cover the actual cost of this increase.

STUDENT FINANCIAL PLANNING

The School urges applicants to consider carefully all financial aspects of enrollment in the 27-month program. Although the Admissions Committee prefers that the applicants be financially stable, the following information should prove helpful in financial planning:

There is a local anesthesiologist group that sponsors a limited number of students in the School. Students knowing they intend to return to their own locality to work are encouraged to seek sponsorship from their own area anesthesiologists or hospitals.

Part-time employment by a student is permissible if prior approval has been obtained from the Dean. Failure to maintain satisfactory grades and clinical performance levels will give cause for permission for part-time employment to be denied or withdrawn. It is advised that students do **not** work during the first three quarters. After this period, a suggested maximum is two shifts per week.

Anesthesia students may not be employed by title or function as nurse anesthetists during the 27-month program.

Middle Tennessee School of Anesthesia is approved for the Department of Veteran Affairs Educational Benefits.

Enrollment in a 27-month continuous course of study during a period of limited financial income may place great strain on students and their families. Further financial difficulties can have an adverse effect on academic endeavors. Applicants are advised to plan their sources of financial support very carefully prior to entry into the program.

Loans and grants -- The School is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs and the Commission on Colleges of the Southern Association of Colleges and Schools; and is approved by the Department of Health, Education and Welfare, and the Tennessee Commission on Postsecondary Education. Appropriate federal, state, and professional student financial aid programs are available to anesthesia students. The amount of \$18,500 may be borrowed for every nine month period (3 times during your program at MTSA). The amount of \$8,500 is the maximum available for a subsidized Stafford Loan (a loan in which the government pays the interest while you are in school). A subsidized Stafford Loan is granted to those students who

qualify by their adjusted gross income and financial need. All \$18,500 is available through an unsubsidized Stafford Loan (a loan in which the borrower pays the interest that accrues during the time in school) minus the amount that may be available through the subsidized Stafford Loan. Since the unsubsidized Stafford Loan is not based on financial need, all students will qualify for it even if they do not qualify for the subsidized Stafford Loan. **Disbursement of the Stafford Loan checks are made in two equal payments. The first payment is at the beginning of the loan period, and the second is approximately four months later.**

Once accepted into the School, students will be invited to attend a financial aid workshop in the spring (usually beginning of May). This workshop includes the required entrance interview, with all of the paperwork necessary for Stafford Loans given at that time. Students who desire further information or counseling in regard to loans, grants, or financial planning are invited to contact the school office to schedule an appointment with the Financial Aid Assistant.

When making application for Financial Aid the MTSA School Code is 007783.

MTSA is very proud of its extremely low default rate. In connection with this, the exit interview stresses loan repayment for students who are recipients of Stafford Loans.

ENROLLMENT PROCEDURES

On the first day of class, the Dean will be reviewing and summarizing all costs, schedules, and obligations; and issue and discuss the Student Handbook. The student will sign the Enrollment Contract and pay the **non-refundable** first year's tuition. Late enrollment is not permitted without special Administrative Committee approval. The student will also be asked to review the Release of Information Policy and sign the consent form.

WITHDRAWAL PROCEDURES

Anyone considering withdrawal from the School must meet with a faculty committee prior to withdrawal to retain the option of possible readmission. The Dean is to be notified of intent to withdraw and will assemble a committee of faculty members to discuss the withdrawal with the student. Any withdrawal

without a prior meeting with a special faculty committee will be considered permanent.

REFUND POLICY

THERE ARE NO REFUNDS OF TUITION OR FEES TO STUDENTS WITHDRAWING OR TERMINATING AFTER REGISTRATION.

TRANSITION FROM NURSE TO NURSE ANESTHETIST

While all students accepted into the School have had acute care nursing experience, this experience has been received in a wide variety of hospital settings. Traditionally, in the settings students have come from, hospitals schedule nurses on shifts with each nurse reporting to the oncoming nurses at the end of their shift, and then being able to leave at a predictable time. Because most surgery schedules vary in number of cases on a daily basis and on the varying length of cases, most anesthesia scheduling is not handled as it has been in other nursing environments. Typically a CRNA, much like an anesthesiologist (MDA), accepts a job, not a shift. It is expected that the anesthesia provider (CRNA or MDA) will work until the job for the day is done, or until the surgery schedule has reached the point that the "late" or "call" team can cover the cases.

As a CRNA or MDA, if the cases are finished by 10:00 in the morning, unless you are designated as the "late" or "call" person, your job for the day is completed. On the other hand, if more cases last late into the night, than the "late" or "call" person(s) can handle, the other anesthesia providers are expected to stay until the work is done. Employers are cognizant of the actual number of anesthesia providers needed to complete the tasks in a reasonable number of hours.

As described, in your transition from RN to CRNA, students will be adjusting to having hours patterned after the physician's hours, rather than after the nurse's hours. Also, when students are at selected affiliates such as Vanderbilt University Medical Center and Columbus Children's Hospital, they will be working with anesthesia residents who have never had the scheduling of hours nurses have. Their expected hours will still be longer than MTSA students. Students should be patient with them if they are envious of the hours.

Junior students should maintain a relatively fixed schedule of coming to clinical every other morning and class every afternoon. The expectation is that students will be able to come to class. If a junior student ever needs to be late or miss any part of a class, the absence will be excused and any tests or quizzes will be rescheduled.

As seniors, the class load decreases, and clinical expectations increase where they function more as the CRNA described in the above paragraphs. If students are assigned to a hospital and the cases are finished early, most likely they will be dismissed early. On the other hand, if students are assigned to a facility and the cases last longer than an assigned block of time, they are expected to function as a CRNA until relief is available.

In the past years, the Council on Accreditation of Nurse Anesthesia Educational Programs (COA) suggested that an average of 60 hours per week be maintained. Today's COA requirement is that the hours be "reasonable." Students are going to affiliate in some sites where they have long hours; however, they will also be assigned to sites where the hours are much shorter. MTSA and its affiliates make schedules for students with their monthly time randomly averaged in each affiliate (time taken from the CCNA CLINICAL RECORD), to assure that hours are reasonable.

As it is MTSA's aim to prepare students both in academic and clinical knowledge and experience to become a CRNA, MTSA also chooses to orient the student to the time commitment and expectations of the CRNA. These time commitments will be different from typical nursing hours.

ACADEMIC AND CLINICAL STANDARDS

ACADEMIC STANDARD

- ◆ High academic standards must be maintained. A minimum of 70% scholastic achievement in each academic course is required. Students must maintain a minimum cumulative GPA of 3.0.
- ◆ Students must successfully complete all assigned affiliations.
- ◆ There will be three comprehensive examinations regularly administered to assist in the evaluation of the student's knowledge in the field of anesthesia. The student is required to attain a passing score of 70% on two out of the three regularly scheduled comprehensive examinations and attain an average score of 70% on all three regular examinations.

In the event that a student fails to attain a passing score of 70% on two of the three regularly scheduled comprehensive examinations and/or fails to attain an average score of 70% on all three regular examinations, he/she may be allowed to take a special examination. The cost for taking the special examination is \$100. This examination will be administered after the last regular examination and before the student's scheduled graduation date.

If the option of the special examination is granted, the student must either:

- a. pass both the final special examination and one of the regular examinations with a score on both not less than 70%; or,
- b. make a passing average of 70% calculated by averaging the two highest regular examination scores and the score on the special examination.

Failure to attain a passing score on the comprehensive examination under any method outlined above will result in the dismissal of the student from the school. Such dismissal is final and cannot be appealed.

- ◆ Each student is carefully evaluated for academic achievement and clinical performance on a regular and continuing basis. Academic grades are published quarterly. Clinical practicum evaluations are received from each affiliation, reflected on the official transcripts as letter grades, and used in tabulating grade point average. Students shall be advised concerning their academic and clinical progress no less than three times per year.
- ◆ Advancement of each student to the next higher level of anesthesia training and responsibility is made at quarterly intervals by the Administrative Committee, with faculty recommendation.
- ◆ Each student will receive a quarterly grade sheet (MTSA Transcript) reflecting academic and clinical progress, with current and cumulative GPAs. Comprehensive examinations will be reflected on the transcript. Additionally, graduating seniors' grades will be transferred to the official transcript form supplied by the Council on Certification of Nurse Anesthetists.
[**Note:** This form does not correspond directly with the MTSA grade sheet. Some grades from the MTSA grade sheet must be combined or separated into more than one category in order to complete the six categories on academic record of the official Council on Certification of Nurse Anesthetists transcript.]

MTSA Grading Scale is based on a 4.0 grading system:

- A = 90-100%
- B = 80-89%
- C = 70-79%

D = 60-69%
F = 50-59%
I = Incomplete*

W Withdrew
WP Withdrew passing
WF Withdrew failing

Prob/C Probation due to unsatisfactory Clinical Performance
Prob/A Probation due to unsatisfactory Academic Performance
Prob/O Probation due to Other Considerations

S Suspension
(Involuntary withdrawal from either the Academic or Clinical program for a period determined by the School.)
T Terminated
(Involuntary withdrawal from the School indefinitely.)

*An incomplete may be given if:

1. A course is scheduled to begin in one quarter and to end in another.
2. An instructor or a student is unable to complete a course in one quarter and must complete the course at a later time. This requires special permission from the Dean.
3. Any Incomplete on the transcript must be completed before graduation. No student may graduate with an Incomplete on the transcript.

- ◆ Transcripts are given to students on a quarterly basis. The **target dates** for these transcripts for **juniors** is expected to be no later than the end of the month following the end of each academic quarter. The target dates for **seniors** may vary slightly due to seniors' deadlines for submission of case studies. (Case studies are expected to be turned in by the end of the month following the end of the rotation.)
- ◆ Attendance at graduations, announced TANA meetings, specific group functions, and evening lectures by guest speakers is mandatory for all students, unless the student is on vacation, call, or at an out-of-town affiliation.
- ◆ Students must keep a current Tennessee nursing license on file in the School's office.

ACADEMIC AND CLINICAL SUMMARY

Upon enrollment students are divided into two groups, A and B, typically alphabetically. This division is for clinical assignments. Clinical assignments are on an **every other morning basis for the first year**. For example, group A will be assigned to clinical each morning Monday, Wednesday, Friday for the first week and for the second week will have a Tuesday, Thursday (Saturday if there is a “call” assignment) schedule. There are two to three places where the junior has a call assignment; however, this call is within the rotating days as described above.

During the first year, students have class every afternoon/evening, Monday through Thursday. Students of the past requested to have no Friday classes, preferring rather to have longer classes the other four days, thus allowing every other weekend, when there is no clinical assignment, to have a long weekend off. This was done on a trial basis, evaluated through several cycles and now has been instituted.

The first 4-5 weeks of the program is “Broadfields Orientation” where students have class every day, clinical every other morning and occasionally a small group seminar on the off clinical mornings. This culminates in a three-day demonstration of skills in three affiliate hospitals.

After Broadfields, there are four quarters (11 weeks each) of class. Second quarter immediately follows first quarter and proceeds for about four weeks until Christmas, when a two-week break in **class** is scheduled. During this two-week period each junior student will have **one** week of **earned** vacation prescheduled. While group A is on vacation every day, group B has an all day, every day clinical assignment. The second week group B is on vacation while group A has the clinical assignments.

Second quarter then continues and the students have another two-week break in classes between second and third quarter. Here each student takes the second **one**-week of prescheduled **earned** vacation, alternating vacation and full clinical between groups A and B. Between third and fourth quarters, each student will also have a two-week break in class, and each will take the third prescheduled **one** week of vacation.

During the breaks in class, **if the student is not on vacation, they will be in a clinical assignment**. These days described above are those 15 days of vacation granted in the first year.

At the beginning of the second year (end of August), which coincides with the end of the fourth quarter, **MTSA** will again schedule each student the first **one**

week of their earned senior year vacation. The remaining **one** week of senior vacation is to be scheduled later during your senior year.

Currently, clinical experience for Juniors is at Tennessee Christian Medical Center, Hendersonville Hospital, General Hospital, Skyline Medical Center, V.A. Medical Center in Murfreesboro, Maury Regional Hospital in Columbia, TN, and Vanderbilt Medical Center. These sites may vary somewhat, but have been very stable, as most facilities truly enjoy having anesthesia learners. Clinical assignments begin in August. In their junior year, students typically change rotations on a monthly basis. Senior rotation sites vary in length with the maximum being approximately four months.

Seniors have two courses in the senior year: Board Review and CRNA Independent Study. They have clinical assignments all day, every day.

A copy of the 2000-2001 Junior Academic Schedule is found on pages 86-87.

NOTE: This schedule may vary somewhat from year to year.

CLINICAL STANDARDS:

◆ Clinical Evaluations of Students by Instructors:

Clinical evaluations are used to determine advancement to the next clinical level. Each clinical day, all students are expected to be evaluated on the School's official Daily Evaluation Tool, which is color coded according to the student's level in the program. This tool is used all month. The student completes the bottom of the Daily Evaluation Tool (type of case, ASA designation, and instructor's name). The student presents the tool to the instructor to assign a score (1-5) and complete selected parts (indicate whether the student had a care plan made, place his/her initials after the instructor's name, and indicate whether or not a critical incident occurred in the case). The expectations per quarter are listed on the back of the Daily Evaluation Tool.

There are six areas (preoperative, induction, maintenance, emergence, transport, and personal) where the instructor will score the performance of each case. The following scoring system is used:

A score of 1 = Totally Unacceptable Performance in the area evaluated
(Red Card) = 0%

A score of 2 = Less than Acceptable Performance in the area evaluated
(Yellow or Red Card)=50%

A score of 3 = Acceptable Performance in the area evaluated
(No Card or Yellow Card) = 70%

A score of 4 = Expected Performance in the area evaluated

(No card) = 90%
A score of 5 = Exceptional Performance in the area evaluated
(Green Card) = 100%

Complete descriptions of the clinical evaluation process are given the student in the Student Handbook, which is distributed on enrollment.

◆ Clinical Care Plans:

The School provides care plan forms that can be obtained through the Evaluation Assistant. A care plan is completed for each anesthetic administered. The depth of the plan may vary, from very detailed and written or verbal, depending upon the level of the student and the case. Complete descriptions of the process are found in the Student Handbook.

◆ Clinical Case Records:

Each student is required to keep a daily clinical log on the official form provided by the Council on Certification. On each case the student performs, a detailed record must be kept of specific information regarding that case. The student must total the cases at the end of each month and place the total for that month as the beginning total on the next monthly Clinical Case Record. The Council requires that students fulfill a given number of experiences, and the accurate keeping of this log is the student's proof he/she has met and/or exceeded these requirements. This clinical record also includes the students committed time hours in the school of anesthesia. The record must be completed in its entirety and turned in to the Library Assistant by the 15th of the following month. **When these are not turned in on time, the student may be removed from clinical and asked to take a vacation day to complete the record.**

MTSA reserves the right to spot check for accuracy with the affiliate to which the student was assigned. MTSA uses this record to perform time studies periodically at selected affiliate sites. This record is very important as it is submitted as a part of the student's final transcript to the Council on Certification of Nurse Anesthetists for their determination of the students' eligibility to take the Certification Examination. Instructions will be given during Broadfields Orientation regarding the accurate completion of this form.

STUDENT EVALUATION OF PROGRAM
(ACADEMIC AND CLINICAL)

Students are asked to evaluate the clinical and academic portions of the program on a regular basis. These evaluations are part of the program's evaluation of institutional effectiveness. In many instances, these evaluations have led to changes.

Graduates of the Class of 2000 were asked to evaluate their total MTSA experience. The two major strengths they cited about MTSA continue to be the multiple and varied affiliates, and the Columbus Children's Hospital affiliation. Other positives centered on the variety of techniques of anesthesia, including regional anesthesia, strong emphasis on academic and the "family atmosphere" of MTSA.

INTEGRITY AND PERSONAL BEHAVIOR **DRUG FREE SCHOOLS AND COMMUNITIES ACT**

Middle Tennessee School of Anesthesia endorses the Drug-Free Schools and Communities Act Amendment of 1989, and, in compliance with that Act, presents the following information:

The Middle Tennessee School of Anesthesia prohibits the possession, use, or distribution of illegal drugs and alcohol on the campus proper, or on the campus of any affiliate site.

Various federal and state statutes make it unlawful to manufacture, distribute, dispense, deliver, or sell controlled substances. The penalty imposed depends upon many factors which include the type and amount of controlled substance involved, the number of prior offenses, if any, and whether any other crimes were committed in connection with the use of the controlled substance. Possible sanctions include incarceration, up to and including life imprisonment, and imposition of substantial monetary fines.

The use of alcohol can lead to serious health risks:

- loss of muscle control, poor coordination, slurred speech
- fatigue, nausea, headache
- increased likelihood of accidents
- impaired judgment
- possible respiratory paralysis and death

Heavy use of alcohol can lead to:

- alcoholism
- damage to brain cells
 - increased risk of cirrhosis, ulcers, heart disease, heart attack, and cancers of liver, mouth, throat, and stomach
- hallucinations
- personality disorders

Health risks associated with the use of illegal drugs include:

- increased susceptibility to disease due to a less efficient immune system
- increased likelihood of accidents
- personality disorders
- addiction
- death by overdose
- anemia
- poor concentration

Additional information about how use of drugs and/or alcohol affect your health is available at the Tennessee Christian Medical Center, Center for Addictions.

Middle Tennessee School of Anesthesia does not provide drug/alcohol counseling, treatment, or rehabilitation programs, for employees, teachers, or students. Upon request, or in appropriate situations the school may recommend the Center for Addictions at the Tennessee Christian Medical Center.

Middle Tennessee School of Anesthesia will impose sanctions against individuals who are determined to have violated rules prohibiting the use, possession, or distribution of illegal drugs or alcohol.

Sanctions for students using or possessing illegal drugs or alcohol include disciplinary probation, and in appropriate cases, suspension or dismissal from the School. Referral for criminal prosecution may be made in appropriate cases.

Individuals involved in the sale or distribution of illegal drugs will be suspended from the School and referred to the appropriate authorities for criminal prosecution.

All employees, teachers, and students agree, as a condition of hire, contract, or admission respectively, to abide by this policy. Sanctions against employees for use or possession of illegal drugs or alcohol in the work place include termination of employment. Additionally, employees are required to notify the institution of any drug convictions resulting from a violation in the work place, no later than five days after conviction.

ADDITIONAL STANDARDS SPECIFIC TO THE MIDDLE TENNESSEE SCHOOL OF ANESTHESIA

Middle Tennessee School of Anesthesia, at its inception fifty years ago as Madison College School of Anesthesia, was established as a Seventh-day Adventist School. It has always upheld Christian ideals and standards. While it is the policy of the School to freely accept students regardless of religious persuasion, it is the philosophy of the School that both students and faculty serve as public representatives of the School and are expected to avoid any conduct that would conflict with its Christian standards.

Actions and conduct not in harmony with the Christian philosophy of the School include:

- ◆ Reporting for duty at any hospital or for any class while under the influence of alcohol or any mood altering substance.
- ◆ The use of addicting drugs or any drugs which would impair judgment or function, unless prescribed by a physician. (Student anesthetists administer narcotics daily and must not be lax in signing out drugs, administering them properly, or properly disposing of unused portions.) If circumstantial evidence renders students suspect of drug abuse, they may be asked to have urine and blood analyses to document their non-use of drugs. The School also reserves the right to do routine analysis to rule out substance abuse.
- ◆ The use of **any** illegal drugs.
- ◆ The use of tobacco in any form on the premises of Tennessee Christian Medical Center or its affiliates, other than in properly designated smoking areas.
- ◆ The use or demonstrated effect of any alcoholic beverage on the premises of Tennessee Christian Medical Center or affiliates of the School.
- ◆ Participation in or conviction of any criminal activity. This includes theft or pilferage of hospital or school supplies, equipment, or drugs.
- ◆ Cheating or lying involving any clinical, academic, or school endeavor.

- ◆ Talking or moving about the room during any tests or quizzes.
- ◆ Any conduct or action that could bring dishonor or discredit on this School or would reflect unfavorably on its reputation as a Christian institution.

NON REPAYMENT OF LOANS

It is expected that students accepted into the Middle Tennessee School of Anesthesia are good citizens and individuals of high integrity, who fully expect to repay all student loans. Middle Tennessee School of Anesthesia graduates historically have had a very low default rate on these loans.

STUDENT RIGHTS

The School maintains a grievance and due process protocol. Complaints are addressed to Mary E. DeVasher, CRNA, MEd, MS, Vice-President/Dean, P.O. Box 6414, Madison, Tennessee 37116.

Student representatives sit as full members on the School Administrative Committee, the Appeals Committee, and the Curriculum Committee.

Students involved in a disciplinary action by the Administrative Committee have the right to speak on their own behalf. The student has the right to appeal decisions of the Administrative Committee to the Appeals Committee, the highest appellate body in the School.

The Appeals Committee has the right to review the entire issue, and may support the Administrative Committee's action or may render a judgment that may be more lenient or more severe. The student and the Administrative Committee are expected to abide by the decision of the Appeals Committee.

STUDENT REPRESENTATION

Each class elects student representatives as voting members of the Administrative Committee, Admissions Committee, Academic Faculty Committee, Social Committee, and the Appeals Committee. A Library Committee representative is appointed by the School. Student representation for the Institutional Review Board is appointed by the Assistant Dean/Education Coordinator. Should any committee member be out of town on an affiliation, the alternate for the position or any other committee member or class member may be appointed to fill the position. Students from each class nominate a representative to the Tennessee Nurse Anesthetist Association (TANA).

PENALTIES

Penalties may range from a simple verbal warning to dismissal from the program; and may include, but not be limited to the following:

- ◆ A student having less than an 80% academic or clinical average (grade of B) may receive verbal counsel from the Dean.
- ◆ A student whose GPA earned in any one quarter falls below 3.0 will be placed on academic probation. Even though the cumulative GPA may be above 3.0 at the end of that quarter, the student will still merit probation. Academic probation will continue until the cumulative GPA reaches or exceeds 3.0. Should the GPA not show significant improvement in the next quarter, the student may be terminated from the program.
- ◆ Failure in any one course will result in academic probation, with the course being repeated the next year when it is offered. Such repeats are expected to result in an extension of time in the program, commensurate with the amount of time for the repeat course (one quarter). The charge for such extension will be prorated per quarter.
- ◆ Any student who fails the same course a second time will be terminated. The student can appeal this decision to the Appeals Committee. Both the student and MTSA will abide by the decision of the Appeals Committee.

- ◆ Students will receive certain penalties for late paperwork in documentation that includes, but is not limited to, care plans, clinical records, daily evaluations and CRNA reviews (seniors only). If this paperwork is not turned in by the 15th of the month following that clinical rotation, a penalty will be enforced. Delinquent paperwork must be completed at the School, with each day beyond the deadline resulting in the loss of one vacation day, or personal day from the student's bank. The student who uses up the entire bank of such days will then graduate one day late for each additional day of delinquency. The student will not receive a diploma until all paperwork is completed and the extended days are made up in clinical.
- ◆ Students who have not received satisfactory clinical evaluations may be placed on a probation designed to help improve their clinical skills, at the recommendation of the Clinical Faculty Committee to the Administrative Committee, or the Administrative Committee independently. This probation will be reflected on the student's transcript.
- ◆ The probationary status for clinical performance will be a minimum of one quarter. The Clinical Faculty Committee, at its next quarterly meeting will review performance evaluations from all affiliates where the student has rotated and determine if the student is eligible to be removed from probation. The Clinical Faculty Committee may recommend that the student be removed from probation or that probation continue. For charges of inconsistent performance, the student may receive probation for the duration of the program. In this instance, the Administrative Committee must determine if the student's clinical performance has been consistently satisfactory prior to a recommendation for graduation.
- ◆ Seniors having been placed on a clinical probation may of necessity extend a minimum of one quarter in the program. Seniors participate in specificity rotations (i.e., cardiovascular, pediatrics, obstetrics, trauma) and if their clinical progress prohibits their full participation in specialty areas, they will need to extend in the program to complete these rotations.
- ◆ Should a student be placed on clinical probation, the student's status will be made known to each clinical affiliate where the student is likely to affiliate. If aware of the cause of probation, the affiliate will be better able to assist the student in remediation.
- ◆ A student with a combination of unsatisfactory clinical and academic performance may be terminated without probation.

- ◆ A student may be placed on a general probation if conduct or health fail to meet acceptable levels. The duration of this probation is determined by the Administrative Committee and is expected to be between one and three months. Upon completion of the probationary period, the student may be restored to full student standing, have probation continued (the duration is at the discretion of the Administrative Committee), or, in extreme cases, be dismissed from the program.
- ◆ A student may be placed on suspension if conduct in any clinical or academic area fails to meet acceptable levels. The duration of the suspension will be determined by the Administrative Committee. Upon completion of the suspended period, the student may be restored to full standing with no probation, or allowed to re-enter the program and placed on probation for a duration that will be determined by the Administrative Committee.
- ◆ In extreme cases, a student may be dismissed from the program without probation or suspension.
- ◆ Disciplinary sanctions for violations of the standards of academic, clinical, or personal conduct shall include, but not be limited to, the following or any combination thereof: verbal reprimand, written reprimand, probation, suspension (including suspensions from classes and/or clinical rotations), and expulsion from the School.
- ◆ The Administrative Committee has the authority to require the student to spend extended time in the program as an alternative to dismissal.
- ◆ Occasionally the Administrative Committee meets to discuss specific issues that involve individual students. In this instance, the Administrative Committee invites the individual student(s) to speak to the issue before rendering a decision. Should students not agree with this decision, they may appeal the issue to the Appeals Committee, the highest appellate body of the School.
- ◆ There may be times the Administrative Committee, in its discussion of students' performance in general determines that an action should be taken related to individual students. Upon notification of the decision, any students who feel extenuating circumstances existed which may have impacted on any decision of the Administrative Committee, and was unable to speak on their own behalf before the original decision was rendered, may give a written request to the Administrative Committee to speak on their own behalf to appeal the decision. The Administrative Committee will meet to allow a student to speak to the issue. The Administrative Committee may decide to alter its original decision or to stand by it. Should a student still not be in agreement with the final decision, the student may address the issue to the Appeals Committee.

- ◆ Students must give a written notice to the Dean if they desire to have a decision heard by the Appeals Committee. The Dean will assemble an Appeals Committee according to policy. The Appeals Committee has the right to review the entire issue and may support the Administrative Committee's action or may render a judgment that may be more lenient or more severe. The student and the Administrative Committee are expected to abide by the decision of the Appeals Committee.
- ◆ Upon completion of a probationary period, the student's situation will be reviewed by the Administrative Committee and his or her status determined. Depending on the student's progress, he or she may be restored to full student standing, have probation continued, or, in extreme cases, be dismissed from the program.
- ◆ Students must complete the comprehensive examination requirements detailed in the "Academic Standard" section of this catalog. Failure to attain a passing score on the comprehensive examination under any method outlined in that section will result in the dismissal of the student from the School. Such dismissal is final and cannot be appealed.
- ◆ As a portion of the Professional Adjustment Class, the instructor requires the student's attendance at any TANA meetings held in Nashville. Student research is presented at this meeting. Non-attendance is considered a personal day, and is subtracted from the bank of sick/personal days granted. These occasions will be announced in advance. A limited number of students will be able to attend state and national meetings and such attendance will be at the student's expense, with clearance from the clinical coordinator. Students in each class will nominate representatives to sit in the student positions on TANA committees.
- ◆ Attendance at graduations, specific group functions, and evening lectures by guest speakers is mandatory, unless the student is on vacation, call, or out-of-town affiliation. Non-attendance is considered a personal day and is subtracted from the bank of sick/personal days granted. These occasions will be announced in advance.
- ◆ Students will keep a current Tennessee nurses license, and current licenses for any state in which the student affiliates, on file in the School's office. Failure to do so will lead to suspension from school until a current license is obtained. Any suspended time must be made up prior to graduation.
- ◆ Students will submit a copy of their Ohio license within the first ten months of the program. Students desiring to participate in a full affiliation or a Senior Elective in any state other than Tennessee or Ohio will present evidence of

licensure in that state prior to full approval of that elective. Not having current licensure prior to these affiliations will result in withdrawal from the clinical site and may lead to an extension in the program.

SPECIAL CONSIDERATIONS FOR STUDENTS RECEIVING VETERANS ADMINISTRATION BENEFITS:

- ◆ Any veteran placed on academic probation for a period of one quarter and not successfully removed from that probation at the end of the quarter will lose VA benefits.
- ◆ Any veteran placed on clinical or general probation and not successfully removed from that probationary status in the stated probationary time will lose VA benefits.
- ◆ Any veteran who has lost VA benefits may be considered for renewal of VA benefits in the Middle Tennessee School of Anesthesia at the discretion of the Administrative Committee.

TRANSFERS **(To include credit granted for previous education)**

Transfers to and from other anesthesia schools will be considered on the merits of each individual case in accordance with guidelines established by the Council on Accreditation of Nurse Anesthesia Educational Programs, MTSA, and schools accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

The transfer of credit from MTSA to another institution is controlled by the receiving institution. Accreditation does not guarantee transferability. Many institutions will accept credit which applies to their specific degree program.

Students seeking to transfer to Middle Tennessee School of Anesthesia must meet the following criteria before making application for admittance:

1. The same accrediting bodies which accredit MTSA must accredit the anesthesia school in attendance at the time of request: COA, state accreditation or approval, and regional accreditation.
2. Transcripts of course work completed must be transferable from the school in attendance.
3. Clinical experiences must be documented and verified by transferring school.
4. Recommendations are required from the school administrator and educational and clinical instructors.
5. All other policies and procedures for acceptance into MTSA must be met before review for admissions by the Administrative Committee of MTSA.

The Middle Tennessee School of Anesthesia may consider applicants for admission who have been terminated from other programs of nurse anesthesia. The same steps and process will be followed for this applicant as for any applicant wishing to transfer from another school to MTSA.

All students accepted into MTSA from other programs, whether transfer or termination, will be expected to meet the same criteria for graduation as traditional MTSA students and will receive the Master of Science degree. The time commitment for completion of the program for these students will be determined on an individual basis. These students will be evaluated in their clinical rotations to determine how their performance compares to MTSA traditional students at the same level. The academic curriculum design of MTSA may be different from the previous program; therefore, time spent in academics at MTSA prior to graduation will need to be determined on an individual basis.

Steps in transferring are:

- ◆ The student will notify the initial Program Director in writing for the reason of transfer.
- ◆ The Program Director to whom the student is making application will request a transcript of all experiences.
- ◆ The Program Director of the current school will remit the transcript of all experiences and other appropriate data within 30 days.

- ◆ The accepting program will determine the transfer credit, and will notify in writing the transferring student and the Council on Accreditation of the decision within 30 days.

The term, Program Director, as used above would indicate the Vice-President/Dean for the Middle Tennessee School of Anesthesia.

PROGRESSION POLICY

Advancement of each student to the next higher level of anesthesia training and responsibility is made at quarterly intervals by recommendation from the Clinical Faculty Committee; and is a function of the Administrative Committee. Students must meet all clinical objectives for the current level and pass all academic classes for advancement to the next level.

ATTENDANCE POLICY

Students are expected to attend all scheduled classes and meet all assigned clinical schedules. Any absences must be arranged with the instructor, with the Dean informed. **Any absences from assigned classes may be considered as personal days. Any absence from clinical obligation will be considered a personal day.** An absence from a clinical assignment when the student is assigned to take **call** will be considered as **two personal days**. This includes weekend and daily 16-hour "call" shifts at Vanderbilt. Any absences in excess of specified vacation, holidays, sick, or personal days will result in a delay in graduation of an equal number of days. Any time a student is unable to go to a clinical assignment, the School, affiliate, and the Dean must be notified. Any clinical absence while on affiliation at Vanderbilt will be made up at Vanderbilt. This will be arranged with the Vanderbilt coordinator and may be scheduled on weekends.

INCLEMENT WEATHER POLICY

There are no days off for inclement weather. Students are expected to use their judgment regarding travel, either to affiliations or to class. However, should

students elect not to attend clinical or class, they will be charged a personal day for the absence. In the event the student is unable to travel to a clinical assignment, the School, affiliate, and the Dean must be notified.

ABSENCES

Twelve holidays are granted each student for the 27 month program. If a student is scheduled on a holiday, a compensatory day will be granted. Vacation time of 15 days the first year and 10 days the second year, is granted during the course. Vacations during the first year are scheduled by MTSA, prior to the students' entrance, and are granted during designated breaks in the academic schedule. The first week of senior vacation is scheduled by MTSA at the beginning of the second year. There is a "relief student" assigned in the senior year to cover for vacations. This is coordinated by the Clinical Assistant.

Vacation days and holidays for the first year must be taken during that year. No vacation or holidays from the first year may carry over to the second year.

A bank of six (6) days of sick/personal leave shall be granted each student during the 27-month course. These days may be taken for true illness, emergencies and/or inclement weather. Students may be requested to submit a physician's report documenting illness. Any other use of these days must be pre-scheduled with permission from the affiliate where the student is assigned during the time the absence occurs. If they are requested any less than 48 hours in advance, two days will be subtracted from this bank of sick/personal days.

These days may not be taken during exam weeks to study for exams. Sick days during exam week will be evaluated carefully. The student may be requested to submit a physician's report and/or be required to use two sick/personal days for time taken during exam week.

Students affiliating at sites where they are scheduled 24 hours on and 48 hours off are charged two days for each personal or compensatory day taken while at that affiliation.

Absences in excess of authorized time off must be arranged with the Dean and be made up at the end of the course (example: maternity leave, personal leave, military leave). If the absence has been longer than one month, the faculty will evaluate the returning student's clinical performance to determine if a "re-orientation" to clinical practice is needed. If re-orientation is determined to be necessary, the time will be added to the time absent. Completion of time absent, re-orientation time, and time remaining will be necessary for graduation. Absences from meetings that require attendance (e.g., graduation and guest

lectures) will be charged as personal days unless the student is at an out-of-town affiliation.

COMPENSATORY DAYS

Compensatory days (comp days) are those days earned for working on a scheduled holiday. Usually one student is scheduled as a relief student, and this person can assume another student's position in an assigned affiliate on the day they need off (weekends excluded). Comp days may be earned only when requested by the MTSA clinical scheduling office. Earned comp days may be taken off as the schedule permits. Earned comp days off must be scheduled in advance and coordinated through the MTSA Clinical Assistant, with signed approval from the affiliate where the student is assigned when the absence occurs. Only one student at a time may take a comp day in any affiliate, and then only with permission from the affiliate. If comp days are requested any less than 48 hours in advance, two days will be subtracted from this bank of sick/personal days.

Procedures for compensatory days are described in detail in the Student Handbook.

RELIEF STUDENT

Each month the school attempts to have a senior relief student available, whose function is to replace senior students at an affiliate, who have gone through the appropriate channels to be able to take compensatory day(s) off. When these relief students are not occupied replacing students for comp days, they are available to replace students who may call in sick. When neither of these needs arise, the relief student will go to the pre-assigned base affiliate.

Examples are included in the Student Handbook.

STUDENT SERVICES

The goal of Student Services at MTSA is to help new students make the

transition into life in a rigorous 27 month program of nurse anesthesia easier and more enjoyable.

ORIENTATION AND ADVISEMENT

- ◆ A "Big Sibling" program is operational at MTSA where upper-class students choose new enrollees as "Little Siblings." The "Big Sibling" is then available to answer questions and give advice about life at MTSA to the "Little Sibling."
- ◆ During the two days set aside for interviewing applicants that will make up the next year's class, junior classes are re-scheduled in order that all juniors may be present to welcome these applicants and be available to answer questions they may have about the School.
- ◆ MTSA sends accepted students information relative to apartments in the vicinity of the School.
- ◆ The School provides a personal school related accidental/injury insurance policy, however it does not assume the student's medical care nor provide health insurance. This coverage applies only to school related activities. The student must carry health insurance. The School interviews and invites selected health insurance representatives to Broadfields Orientation to discuss individual and family insurance coverage with new students.
- ◆ Complete daily schedules of class and clinical assignments for the first year are given each student upon entry. Vacations for the first year are listed on this schedule.
- ◆ All new students will complete a five week Broadfields Orientation program which introduces them to both the academic and clinical segments of the School. This prepares them for entrance into the clinical area.
- ◆ The Evaluation Coordinator reviews progress with each student in both the academic and clinical areas. These evaluations are summaries of the Daily Case Evaluations, the Quarterly Evaluations, and the Academic Record.
- ◆ The Dean of the School is the primary advisor. The Dean is available for informal discussions with the student. Her office is in close proximity to the classrooms, and dialogue is encouraged.

- ◆ The School completes applications for Nurse Anesthesia Traineeship Grants, Faculty Fellowship Grants, and Educational Program Grants, for the school, faculty, and students benefit.
- ◆ MTSA has a Family Support Group that is available to each new class. The goals are to promote acquaintances between spouses/families that will allow them to build a support system and share a common bond. This is especially important to families that are relocating to the area. While MTSA will initiate the first meeting, it is expected that the group will select its own leaders and continue the group. MTSA will allow staff to work with the leaders of the group, as needed.

LEARNING RESOURCE CENTER (LRC)

The Nelda Faye Ackerman Learning Resource Center has a collection of textbooks and anesthesia-specific journals for student use. The LRC is equipped with four student computers, and subscribes to three indexes on CD ROM - Silver Platter's Medline, Excerpta Medica's anesthesia section, and ERIC. The LRC is open during the business hours of the School, as well as all times that classes are in session. The schedule of classes varies from quarter to quarter, and the LRC hours are adjusted accordingly. It is closed on Saturdays, and open by appointment on Sundays.

SENIOR ELECTIVES

The last two months of the program are designated as Senior Elective months. Each student must participate in a Senior Elective. The student may select and be approved for one of the current elective sites. Alternatively, the student may work with the Dean to develop a new site. A complete description of the process is found in the Student Handbook.

CAREER OPPORTUNITIES AND SALARIES

All graduates of the Middle Tennessee School of Anesthesia have found employment as graduate registered nurse anesthetists upon completion of the

program. Continued employment in many practice settings is determined upon successful completion of the Certifying Exam to become a Certified Registered Nurse Anesthetist. There is every indication that the placement outlook for our graduates will continue to be favorable.

Beginning salary levels for Certified Registered Nurse Anesthetists vary considerably, depending on institutional policies, fringe benefits, and call pay. In Middle Tennessee, recent graduates are receiving beginning salaries in the range of \$90,000 annually, plus call pay. Some sites offer significant “sign-on bonuses”, as well as reimbursement for tuition charges.

STUDENT PLACEMENT POLICY

Middle Tennessee School of Anesthesia does not have a student placement service, however, it welcomes any information regarding position openings or job opportunities. When contacted by hospitals, anesthesia practice groups, or recruiters regarding positions open, the School copies the information and places it in all the seniors' school mailboxes and on the bulletin board in the hall. Job openings are listed in the School publication, *Airways*, and the school retains a copy in a binder for any future references a student or graduate may need. All graduates seeking employment have been employed upon graduation.

INSTITUTIONAL STATISTICS

At the printing of this Catalog, the 2000 graduates are in the process of taking their national certification examination. Some have heard the results. To date, MTSA does not have complete statistics on this class.

<i>CLASS OF 97-99</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1997	36
Withdrawals	2
Graduated	34
Immediately Employed Upon Graduation	34
Passed Certifying Examination 1st Time	30
Passed A Subsequent Examination	4
Note: One student had a perfect score of 600	

<i>CLASS OF 96-98</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1996	36
Transferred into MTSA	5
Withdrawals	0
Graduated	41
Immediately Employed Upon Graduation	41
Passed Certifying Examination 1st Time	39 (95%)
Passed A Subsequent Examination	3 (100%)
Note: This year's class set a new record: Twenty-nine (29) made total scores of 600 (a top score).	

<i>CLASS OF 95-97</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1995	36
Withdrawals	1
Graduated	35
Immediately Employed Upon Graduation	35
Passed Certifying Examination 1st Time	33 (94%)
Passed A Subsequent Examination	2 (100%)
Note: Three graduates made a "top score" (600) in all categories, and several made 600 in one or more categories.	

<i>CLASS OF 94-96</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1994	34
Withdrawals	3
Graduated	31
Immediately Employed Upon Graduation	31
Passed Certifying Examination 1st Time	29 (94%)
Passed A Subsequent Examination	2 (100%)
Note: Several students made a "top score" (600) in several categories, and one student made 600 in all categories.	

<i>CLASS OF 93-95</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1993	32
Withdrawals	0
Graduated	32
Immediately Employed Upon Graduation	32
Passed Certifying Examination 1st Time	32 (100%)
Passed A Subsequent Examination	NA

<i>CLASS OF 92-94</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1992	28
Withdrawals	3
Graduated	25
Immediately Employed Upon Graduation	25
Passed Certifying Examination 1st Time	24 (96%)
Passed A Subsequent Examination	1 (100%)

<i>CLASS OF 91-93</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1991	20
Withdrawals	1
Graduated	19
Immediately Employed Upon Graduation	19
Passed Certifying Examination 1st Time	16 (84%)
Passed A Subsequent Examination	3 (100%)

<i>CLASS OF 90-92</i>	<i>NUMBER OF STUDENTS</i>
Enrolled in 1990	20
Withdrawals	1
Graduated	19
Immediately Employed Upon Graduation	19
Passed Certifying Examination 1st Time	16 (84%)
Passed A Subsequent Examination	3 (100%)

CURRICULUM AND CLINICAL PRACTICUM

The program consists of nine quarters - a 27-month program. The first four quarters are devoted to classroom studies and a carefully supervised, graduated introduction to performance of clinical practice. The following five quarters provide a period of advanced clinical experiences, and as the major academics are completed, full participation at clinical affiliations. The total program provides an unusually rich variety of anesthetic experiences and cases. Seminars and case studies are held throughout the 27-month program.

SCHEDULING OF CLASSES AND SCHOOL FUNCTIONS

No class will be scheduled from sunset Friday through sunset Saturday, in keeping with the Seventh-day Adventist belief that this is the time set aside as the Sabbath. MTSA recognizes that many students choose another day (typically Sunday) as a day of worship. In respect of students' religious choice, class functions scheduled on Sunday are held to a minimum, being reserved for approximately two seminars in the program. Any class scheduled on Sunday will be video taped. The student may select to not attend the Sunday scheduled class, but is responsible for viewing the video and making up any assignments missed.

CHANGES

The Middle Tennessee School of Anesthesia, in keeping with its philosophy of offering a program of the highest quality, continually evaluates its educational program via its institutional effectiveness process, and reserves the right to make changes in the curriculum and practicum at any time to include any fees or costs related to these changes. Such changes are expected to be minimal. Students will receive notification of these changes and are expected to abide by them.

SCHOOL ORGANIZATION; ACADEMIC AND CLINICAL PROGRESSION

The School is organized on an academic quarter basis for a total of 9 quarters (27 months).

The first month is devoted almost entirely to academic studies, with limited progression into the clinical practicum. An every other morning clinical schedule is maintained, with every other morning reserved for study.

During the first through fourth quarters, the students continue academic studies while increasing their involvement in the supervised anesthesia practicum. During this time, the every-other-morning clinical schedule with every-other-morning reserved for study is continued. During quarters one through three the student will participate in call at TCMC and General Hospital.

During the fourth quarter, as the number of class hours decline, the clinical hours will increase. However, an approximate every-other-day clinical schedule will be maintained. Most of the time the every-other-morning schedule for study will be reserved. Also during this quarter, students will begin to take call at Hendersonville Hospital.

The fifth through the ninth quarters are devoted to clinical practicum in a variety of affiliating hospitals, with limited academics. The students' rotation through the various hospitals is planned to provide a logical progression for continuing professional growth and maturity. Clinical case studies are held throughout the 27-month program.

COURSE

DESCRIPTIONS

ACADEMIC

AND

CLINICAL

PHYSIOLOGY

ANAP 500 Physiology I

1.5 Qtr. Hrs.

This course focuses on concepts foundational to and understanding of human physiology, including functional systems of the cell, cell metabolism, transport across the cell membrane, membrane potentials, action potentials, cell receptors, and communications among cells. Understanding these concepts is prerequisite to a comprehension of all cell, tissue, organ, and system physiology and pathophysiology.

ANAP 505 Respiratory Anatomy, Physiology, and Pathophysiology

3 Qtr. Hrs.

Presents the anatomy which is associated with the respiratory tract as well as the normal physiology of the respiratory organs. Basic and advanced concepts of respiratory physiology and pathophysiology as they relate to patients likely to receive an anesthetic are also discussed. Effect of anesthetics and anesthesia on the control and function of the respiratory organs is presented.

ANAP 510 Physiology II

4 Qtr. Hrs.

This course focuses on concepts related to anatomy and physiology of the nervous system, including the brain, vertebral column, spinal cord, peripheral nervous system, autonomic nervous system, neurotransmitters, receptors, synapses, pain pathways, and pain modulation, and physiology of skeletal muscle contraction, neuromuscular synapse, and smooth muscle contraction. Clinical assessment of neurologic status is also discussed. Selected pathophysiologic examples are integrated.

ANAP 520 Physiology III

4 Qtr. Hrs.

This course focuses on concepts related to physiology of the heart; systemic and pulmonary circulations; microcirculation; hematopoietic system; leukocytes/inflammatory-immune response; hemostasis/blood coagulation; and renal physiology/maintenance of fluid and electrolyte balance. Selected pathophysiologic examples are integrated.

ANAP 530 Physiology IV

4 Qtr. Hrs.

This course discusses concepts related to physiology of blood pressure regulation; acid-base balance; selected electrolytes balance (i.e., sodium and potassium); endocrine system; gastrointestinal system, including nutrient digestion and absorption, the liver and the pancreas; calcium-phosphate-vitamin-D-parathyroid hormone-bone physiology, and responses to stress. Selected pathophysiologic examples are integrated.

PHARMACOLOGY

ANPH 500 Pharmacology I (Anesthetic Drugs)

3 Qtr. Hrs.

Presents general physiological properties of individual anesthetic agents and their absorption rate and excretion. Principles governing uptake and distribution of inhalation agents are covered along with specific effects of the agents on organs and systems. Signs and stages of the depth of anesthesia are included.

ANPH 505 Applied Pharmacology I

1 Qtr. Hrs.

This course is designed to integrate the study of pharmacology, fundamental principles of anesthesia, current anesthesia pharmacology research, and case study writing and presentation. In alternating classroom and journal club format, the class integrates the study of the drugs and agents covered in Pharmacology I and application of these in the clinical area.

ANPH 510 Pharmacology II (Accessory Drugs)

3 Qtr. Hrs.

The applied science of the use, action, and effects of medicinal agents, particularly as related to anesthesia. Information is designed to acquaint the student with relationships between the medications utilized and physiologic and biochemical actions of the medications. Intravenous induction agents, narcotics, muscle relaxants, and vasoactive drugs are included as well as interactions with prescription and non prescription drugs the patient may be currently taking.

ANPH 515 Applied Pharmacology II

1 Qtr. Hrs.

This course is designed to integrate the study of pharmacology, fundamental principles of anesthesia, current anesthesia pharmacology research, and case study writing and presentation. In alternating classroom and journal club format, the class integrates the study of the drugs and agents covered in Pharmacology II and application of these in the clinical area.

ANPH 520 Cardiovascular Pharmacology

2 Qtr. Hrs.

This course provides a study of the effects of drugs commonly used in anesthesia on patients with ailing hearts. It also reviews the drugs with specific benefit in patients with altered hemodynamic states.

ANPH 530 Pharmacology III

3 Qtr. Hrs.

A continuation of Pharmacology II.

ANPH 535 Applied Pharmacology III

1 Qtr. Hrs.

This course is designed to integrate the study of pharmacology, fundamental principles of anesthesia, current anesthesia pharmacology research, and case study writing and presentation. In alternating classroom and journal club format, the class integrates the study of the drugs and agents covered in Pharmacology III and application of these in the clinical area.

PRINCIPLES OF ANESTHESIA

ANPR 500 Broadfields Orientation

5 Qtr. Hrs.

This class is the introductory class in anesthesia. It covers principles of pre-anesthetic assessment, airway management, monitoring, charting, equipment function, and intravenous cannulation. Practicing skills on models is required prior to hands-on in the clinical area.

The practicum orientation is geared to have a laboratory experience where students can become familiar with charting procedures, equipment use, and basic anesthesia skills.

Introduction to Departmental Organization is designed to introduce the student to the physical plant of the operating room and anesthesia department. The importance of stocking anesthesia supplies, drugs, and equipment is stressed. The student is introduced to the duties of the call person, and participates in the call experience with the senior students as a "third call" student.

ANPR 510 Basic Arrhythmia/12-Lead EKG/ACLS/PALS

5 Qtr. Hrs.

Basic Arrhythmia course presents an overview of cardiac arrhythmias, beginning with a review of basic electrophysiology. The course present a systematic method for interpreting disturbances in cardiac rhythm including sinus, atrial, junctional, and ventricular arrhythmias and conduction abnormalities.

Twelve-lead Electrocardiography interpretation of the lead systems and normal QRS morphology in the various leads.

(ACLS) Advanced Cardiac Life Support course presents essential aspect of emergency cardiac care including airway support, treatment of acute myocardial infarction, treatment of life-threatening arrhythmias, cardiac drugs, and defibrillation.

(PALS) Pediatric Advanced Life Support course present aspects of pediatric emergency care including airway management, recognition of respiratory failure and shock, newborn resuscitation, fluid therapy, emergency medications, and prevention of cardiopulmonary arrest.

ANPR 520 Principles of Anesthesia (Fundamentals)

4 Qtr. Hrs.

Basic concepts of anesthetic management are stressed. Anesthetic equipment, its proper function, operation, and maintenance are stressed. Patient safety and anesthetic effectiveness are integrated into the theory and practice of pre-anesthetic, anesthetic, and post-anesthetic management. The course spans two quarters.

ANPR 530 Advanced Principles of Anesthesia (Obstetrical) 2 Qtr. Hrs.

The unique aspect of administering anesthesia to the pregnant female is discussed with special emphasis on alterations in physiology in the pregnant state, common pathophysiologic states seen in the pregnant state, and the effects on the neonate of labor, delivery, and anesthesia. Specific techniques are outlined for all of the alternative courses that may be required in the anesthesia care of the pregnant female and techniques for emergency care of the newborn are outlined.

ANPR 540 Advanced Principles of Anesthesia (Regional Anesthesia) 2 Qtr. Hrs.

A description of those regional blocks used in daily practice and methods of administration are described or demonstrated. Spinal anesthesia, epidural anesthesia, Bier block, and axillary block, etc., are included in this series. Four hours related to acute and chronic pain management are included in this course.

ANPR 550 Advanced Principles of Anesthesia (Pediatric Anesthesia) 2 Qtr. Hrs.

Unique aspects of administering anesthesia to children is discussed with special emphasis on alteration in physiology of the child. Specific principles for anesthetic management and maintenance of homeostasis in children is covered.

ANPR 560 Advanced Principles of Anesthesia (Cardiovascular Anesthesia) 2 Qtr. Hrs.

This course incorporates exposure to anesthesia for vascular, thoracic, and cardiac surgery, and up-to-date literature discussing vasopressors, cardiac, and respiratory physiology and hemodynamic monitoring. It serves as a foundation of knowledge necessary to administer anesthesia to patients with sick hearts for cardiac and non-cardiac surgery.

ANPR 570 Anesthesia and Co-Existing Disease (Path Management) I 2 Qtr. Hrs.

Presents advanced clinically oriented topics, including advanced principles of management and techniques. Application of these principles to patients with difficult or unusual conditions is covered.

ANPR 575 Anesthesia and Co-Existing Disease (Path Management) II 2 Qtr. Hrs.

A continuation of Anesthesia and Co-Existing Disease, (Path Management) I.

ANPR 580 Pain Management 2 Qtr. Hrs.

This course prepares the student for a role beyond the operating room to include the management of both acute and chronic pain. It focuses not only in the technical aspects of pain management, such as nerve blocks and epidural or subarachnoid catheter placement, but relates to utilization of diagnostic skills as well. It helps the student develop an understanding of the pharmacologic principles and broad medical knowledge in formulating a rational treatment plan for complex pain problems.

ANPR 590 Physical and Chemical Principles of Anesthesia I 2 Qtr. Hrs.

Relates the physical principles and laws of the universe to the science and practice of anesthesia. The student is then shown how the physical forces of matter and energy may be controlled, regulated, and applied in the form of scientific and efficient anesthesia administration. A review of drug related mathematics is a part of this class.

ANPR 595 Physical and Chemical Principles of Anesthesia II

2 Qtr. Hrs.

This class is a continuation and expansion of ANCH 500. It relates physical principles to selected equipment used in anesthesia. In addition, this class relates the study of the organic nature and structure of compounds to the drugs and agents used in the administration of clinical anesthesia.

ANPR 600 Comprehensive Examinations

There will be three Comprehensive Examinations regularly administered to assist in the evaluation of the student's knowledge in the field of anesthesia. The student is required to attain a passing score of 70% on two out of the three regularly scheduled Comprehensive Examinations and attain an average score of 70% on all three regular examinations.

In the event that a student fails to attain a passing score of 70% on two of the three regularly scheduled Comprehensive Examinations and/or fails to attain an average score of 70% on all three regular examinations, such student may be allowed to take a special examination. The cost for taking the special examination is \$100. This examination shall be administered after the last regular examination and before the student's scheduled graduation date.

If the option of the special examination is granted, the student must either:

- a. pass both the final special examination and one of the regular examinations with a score on both not less than 70%; or,
- b. make a passing average of 70% calculated by averaging the two highest regular examination scores and the score on the special examination.

Failure to attain a passing score on the Comprehensive Examination under any method outlined above will result in the dismissal of the student from the school. Such dismissal is final and cannot be appealed.

The Comprehensive Examination is considered to be a link between the academic and clinical practice. It is not realistic to believe that the students, with the number of anesthetics they perform during two years, will have the opportunity to use all the material presented in the academics. For this reason, the Comprehensive Examination has been constructed using clinical situations to assess how the student would respond to these situations if faced with them in real life, utilizing the formal study of the first year, and the formal and independent study of the second year.

SEMINARS

ANSM 500 Clinical Seminar (Case Conference)/Care Plan

3 Qtr. Hrs.

Presents clinically oriented topics with problem solving and demonstration format. Utilizes case review, morbidity and mortality reports, and journal reviews. Affords students the opportunity for literature review and class presentation. In addition, certain class periods will be spent with students discussing clinical experiences and their feelings about progress in the clinical area. This group interaction is encouraged with the belief that verbalizing stress is a mechanism to manage it. Completion of Care Plans on a timely basis, to include complications, drug interactions, etc. is graded by a CRNA. Incomplete plans submitted on a non-timely basis can reduce the grade by one letter.

ANSM 510 Seminars in Anesthesia

4 Qtr. Hrs.

Juniors and Seniors attend an external comprehensive anesthesia seminar brought to MTSA each year. These seminars are presented in the third and seventh quarters and are awarded two hours of credit for each quarter held. The hours for this seminar last year were 7:00 a.m. - 9:00 p.m. Sunday, 12:00 noon - 9:00 p.m. Monday, and 12:00 noon - 9:00 p.m. Tuesday. Those students who feel a strong burden not to attend the Sunday lectures must use an alternative time to view the videos. Attendance is mandatory for the Monday and Tuesday schedule; students will receive grades for their participation (sign in sheets will be monitored as a part of this grade.) These classes are video taped for students on out-of-town affiliations and copies of these tapes are made available for these students. These seminars are to affirm the basic and advanced anesthesia principles presented in the program, and in addition to focus on current trends in anesthesia. There is a separate fee for these seminars and it is the same for all students whether seen in person or on video.

ANSM 515 Senior Board Review

3 Qtr. Hrs.

Monthly reading assignments are made for seniors from the most current Valley Review and Mixed Review texts. At the end of each month a test will be given over the assigned material. Students must make a passing average on all tests. This fosters independent study, while preparing students for the national certifying exam.

ANSM 520 Directed Individual Study

5 Qtr. Hrs.

Affords students the opportunity to reinforce their knowledge and understanding of the principles and practices of anesthesia through a directed self-study program, with special permission from the CRNA REVIEWS, in the second year of the program. Pre-testing and examinations are included.

RELIGION

AREL 500 Religion

3 Qtr. Hr.

This course, in keeping with the School philosophy that true education involves the growth of the spiritual, intellectual, and physical aspects of the student. It is designed to be a forum to assist in addressing the spiritual aspect. It is recognized that the intellectual progress of the student receives major attention throughout the curriculum. Students are encouraged to discuss their own exercise program.

The AREL 500 classes, held during Broadfields Orientation and the first three quarters, begin with a devotional reading/talk and thus expose the student to Christian philosophy from a Seventh-day Adventist perspective, in the ensuing three quarters. While relationship with Christ is a major topic, there will be discussion of Seventy-day Adventist doctrines. Many of these are held in common with most other churches, some will be held by only a few churches, and only one is unique to Seventh-day Adventists.

HISTORY

ANHS 500 Professional Aspects

2 Qtr. Hrs.

Historical, Ethical, and Legal Aspects of Anesthesia, & Professional Adjustments

Presents the course of development of relief from pain, for surgical and medical treatment, from the primitive ages to modern time. Included is the development and function of the American Association of Nurse Anesthetists and its four councils.

Presents the interrelationship of medicine and law with special emphasis on the impact of the law on all aspects of medical practice. Basic concepts of the legal responsibility of the medical practitioner, along with some of the problem areas and legal pitfalls of the practice of anesthesia, are presented.

Professional responsibility and ethical relationships with patients and peers is covered. Historical background and functions of local, state, and national professional organizations are presented.

Students attend one week-end professional meeting of the Tennessee Nurse Anesthesia Association (TANA). This meeting may not be coincident with the actual time the class is delivered. During this meeting students present research from MTSA and other Tennessee schools. Students are encouraged to participate in the discussions related to issues that are current within the profession.

Students are required to participate with TANA one day each year in a session geared to meet the Tennessee legislatures, as TANA schedules these sessions.

Professional Aspects lectures/topics are woven throughout the curriculum. During Broadfields Orientation an attorney visits with the students to discuss medical malpractice, and the State Volunteer Mutual Insurance Company lectures students regarding liability issues. Also major safety issues are covered to include, but not limited to, lectures on preoperative interview, informed consent, anesthesia safety in equipment and machine check out, and environmental

safety. During ANED 520 Education, an ethicists gives a four hour lecture regarding ethics in anesthesia. MTSA invites individuals from insurance companies to speak to beginning students, students finishing their junior year and students finishing their senior year regarding financial management and disability insurance. MTSA conducts a seminar regarding financial planning and financial aid prior to enrollment for students accepted into MTSA.

EDUCATION

ANED 500 Research and Research Project

4 Qtr. Hrs.

This course introduces the student to the major methods employed in investigation and problem solving. It is designed to help health professionals evaluate research in their respective fields. The student will complete a research or educational project in partial fulfillment of the requirements of this course. This course continues through four quarters.

ANED 510 Statistics

4 Qtr. Hrs.

This is a comprehensive course in quantitative methods. Statistical methodologies will be provided to enable the student to generate, analyze, and develop quantitatively supported solutions for research questions. Students will be required to determine research questions, produce appropriate data, analyze data, and report conclusions based on quantitative concepts and calculations. Manipulation of a hand-held calculator and analysis of computer printouts will assist in data analysis and production of solutions to case studies.

ANED 520 Education

2 Qtr. Hrs.

This course focuses on several different areas of higher education, including professional ethics, accreditation, adult learners, curriculum development, individual and group personality types and differences, roles of anesthesia professionals in the community of scholars, plus a variety of counseling skills and techniques.

ANED 525 Education

2 Qtr. Hrs.

This course reviews the history of American Higher Education, trends in secondary and higher education, teaching methods, learning styles, classroom preparation, management techniques, evaluation and supervision.

SPECIAL EVENING GUEST LECTURERS

These are announced in advance and are part of the program at Middle Tennessee School of Anesthesia. Attendance is required unless the student is on vacation or at an out-of-town affiliation. Failure to attend will result in Administrative Committee action, not to exceed a one day extension in the program for each missed event.

Special Notes

- ◆ Every effort is made to adhere to class and clinical schedules. Class hours, course sequencing, clinical seminars, and clinical practicum hours have been estimated with great care, but are dependent on day-to-day situations at Tennessee Christian Medical Center and affiliations, and should therefore, be recognized as estimates that are subject to alteration to meet daily situations. Many classes are taught by anesthesia providers who hold CRNA/MDA positions in other facilities. When obligations in these facilities, such as "call" prohibits the instructor from meeting class on any particular day, the class will be rescheduled. This rescheduling will be done as far in advance as the instructor receives their call schedule. All subject matter is subject to change when it benefits the student and/or the School. Students scheduled for class and not scheduled for clinical will be expected to adjust to the changes in academic scheduling.

CLINICAL PRACTICUM

48 Qtr. Hrs.

ANCL 500	<i>Practicum I</i>	2 Qtr Hr
ANCL 505	<i>Practicum II</i>	2 Qtr Hr
ANCL 510	<i>Practicum III</i>	2 Qtr Hr
ANCL 515	<i>Practicum IV</i>	4 Qtr Hrs
ANCL 520	<i>Practicum V</i>	8 Qtr Hrs
ANCL 525	<i>Practicum VI</i>	8 Qtr Hrs
ANCL 530	<i>Practicum VII</i>	8 Qtr Hrs
ANCL 535	<i>Practicum VIII</i>	8 Qtr Hrs
ANCL 540	<i>Practicum IX</i>	6 Qtr Hrs

These practica are designed to provide carefully supervised practice of anesthesia and patient management which corresponds closely to academic progression. They progress from simple to complex experience, allowing students to develop initiative and independent judgment in a progressive manner. Pre and post-anesthetic patient management and emergency call are important elements of clinical practicum. The students performance will be evaluated at each affiliation. The students usually have a conference with the Clinical Coordinator or designee at the affiliate during the last week of the month, or more frequently if indicated, to discuss their performance.

The students should expect to participate in all aspects of the anesthetic as assigned, and to complete all academic assignments made by the affiliate coordinator designee. If, at any time, the affiliate clinical faculty assesses clinical inadequacies relative to the student's level of training, they are asked to address this to the student and notify the School. It is the student's responsibility to keep accurate timely records of clinical experience on the forms provided. The Clinical Coordinator will check these records monthly. The student may be suspended from clinical participation for incomplete records. Suspended days will be made up terminally. It is imperative that the student successfully complete all assigned affiliations as a pre-requisite for graduation.

Students are expected to make written care plans in all affiliations as described on previously.

A letter grade for each practica will be recorded on the transcript and will be factored into the cumulative grade point average.

LENGTH OF PROGRAM

The program is 27-month (9 quarters) duration. Of these 27-months, 25 days are allotted for vacation, 12 for selected legal holidays, and 6 for sick/personal leave. For any other absences, the time will be made up terminally. For extended absences, there will be a reorientation period, with the length of time for this reorientation being determined by the Administrative Committee of the Middle Tennessee School of Anesthesia.

As graduation exercises occur only once in the program, students completing all aspects of the academic and clinical program are required to march in a graduation ceremony concurring with their completion of the program.

FULL-TIME ACADEMIC FACULTY

WILLIAM O.T. SMITH, BA, MD

PRESIDENT/MEDICAL DIRECTOR

BA, LaSierra College
MD, Loma Linda University

Board Certified Anesthesiologist

MARY ELIZABETH DEVASHER, CRNA, BA, MEd, MS

VICE-PRESIDENT/DEAN

Diploma, Nursing, Mountain San and Hospital School of Nursing
Certificate, Madison Hospital School of Anesthesia
BA, Ottawa University
MEd, Tennessee State University
MS, Middle Tennessee School of Anesthesia

Additional Study:
Andrews University
Tennessee State University

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

ROBIN R. TAYLOR, BA, MD

INSTRUCTOR/CLINICAL ADVISOR

BS, Southern Adventist University
MD, Loma Linda University

DEAN W. HUNT, BA, MS, EdD

ASSISTANT DEAN/EDUCATION COORDINATOR

BA, Loma Linda University
MS, Old Dominion University
EdD, University of Virginia

J. LEE RUTLEDGE, AD, BS, MS, CRNA

CLINICAL INSTRUCTOR

AD, Tennessee State University
BS, Belmont University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

RICHARD G. YOUNG, ADN, CRNA, BA, MS *EVALUATION COORDINATOR*

ADN, University of Tennessee
Certificate, Middle Tennessee School of Anesthesia
BA, Ottawa University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

AMY C. GIDEON, AS, BS, RHIA, MS

LIBRARIAN

AS, Jackson State Community College
BS, University of Tennessee - Memphis
MS, University of Tennessee - Knoxville

Registered Health Information Administrator

PART-TIME ACADEMIC FACULTY

JOHN P. BROWNLEE, AS, BS, CRNA, JD

INSTRUCTOR

AS, Southern Adventist University
BS, Old Dominion University
JD, Nashville School of Law

Licensed Registered Nurse (Tennessee and Kentucky)
Certified Registered Nurse Anesthetist
Attorney, licensed to practice in Tennessee

ALESCIA LEANN DEVASHER, BSN, MS, CRNA

INSTRUCTOR

BSN, Southern Adventist University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

BERNARD DEVASHER, BSN, MS, CRNA

INSTRUCTOR

BSN, Southern Adventist University
MS, College of William and Mary
ADN, University of Tennessee
Certificate, Madison Hospital School of Anesthesia
MS, Middle Tennessee School of Anesthesia

Additional Study:
East Tennessee State University
Western Carolina University

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

TIFFANY L. HORTON, BSN, MS, CRNA

INSTRUCTOR

BSN, Western Kentucky University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

LARRY E. LANCASTER, AS, BS, MSN, EdD

INSTRUCTOR

AS, University of Kentucky Henderson Community College
BS, University of Evansville
MSN, Vanderbilt University
EdD, George Peabody College for Teachers of Vanderbilt University

Licensed Registered Nurse (Tennessee)

JASON H. LEVOY, AS, BSN, MS, CRNA

INSTRUCTOR

AS, Tennessee State University
BSN, Southern Adventist University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

RICHARD R. MAYNARD, BSN, MS, CRNA

INSTRUCTOR

BSN, Northern Illinois University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

C. WILLIAM McKEE, BS, MEd, EdD

INSTRUCTOR

BS, University of Tennessee
MEd, Auburn University
EdD, University of Tennessee

Additional Study:
Auburn University
University of Georgia

Certified Professional Counselor (Tennessee)

NANCY S. PALMORE, BS, MS, CRNA

Diploma, Fort Sanders School of Nursing
BS, Cumberland University
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

INSTRUCTOR

LYNN SCHLISNER, BA, MDiv

BA, Union College
MDiv, Andrews University

INSTRUCTOR

MARC N. SIEGEL, BS, MD

BS, University of Texas
MD, University of Texas Health Science Center

Board Certified Anesthesiologist

INSTRUCTOR

ANITA F. TURNER, BSN, CRNA, MS

BS, University of North Alabama
Certificate, Middle Tennessee School of Anesthesia
MS, Middle Tennessee School of Anesthesia

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

INSTRUCTOR

PAUL R. WILSON, BSN, CRNA, MHS

BSN, Old Dominion University
MHS, Texas Wesleyan College
Diploma, Madison Army Medical Center

Licensed Registered Nurse (Tennessee)
Certified Registered Nurse Anesthetist

INSTRUCTOR

CLINICAL SUPERVISORS, PHYSICIANS

ALVIN C. YORK VA MEDICAL CENTER

MURFREESBORO, TN

Arun Paranjape, MD

BLANCHFIELD ARMY HOSPITAL

FT. CAMPBELL, KY

Myra Bonet, MD
Wayne Fuller, MD
Sandor Turner, MD

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COLUMBUS, OH

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HENDERSONVILLE HOSPITAL

HENDERSONVILLE, TN

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Steve Dickerson, MD
Nevin Downs, MD

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NASHVILLE, TN

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Anita Johnson, MD
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MADISON, TN

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Cristina Stoica, MD
Dila Vuksanaj, MD
Ann Walia, MD
Garry Walker, MD
Jeffrey York, MD

CLINICAL SUPERVISORS
CERTIFIED REGISTERED NURSE ANESTHETISTS

ALVIN C. YORK VETERANS ADMINISTRATION MEDICAL CENTER
MURFREESBORO, TN

David Arnold, CRNA
Mark Jackson, CRNA

BLANCHFIELD ARMY HOSPITAL *FT. CAMPBELL, KY*

Julie Eldred, CRNA
Steve Hendrix, CRNA
Mike Loughren, CRNA
David McCormick, CRNA
Darryl Magoulik, CRNA
Brad Robison, CRNA
James Williams, CRNA

COLUMBUS CHILDREN'S HOSPITAL *COLUMBUS, OH*

William Gurney, CRNA
Kari Heinrich, CRNA
Mary Ann Kane, CRNA
Sharon Lantieri, CRNA
Mary Magill, CRNA
Elizabeth A. McKann, BS, CRNA
Thom Saarie, CRNA
Wendy L. Wulf, CRNA

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Kentry Adams, CRNA
Pam Arnold, CRNA
David Beasley, CRNA
Michael Born, CRNA
Katie Brinkley, CRNA
Barry Boston, CRNA
Karen Brown, CRNA
Abigail Butorac, CRNA
Dede Byrd, CRNA
Mary Constantin, CRNA
Carol Della Vedova, CRNA
Carolyn Dijt, CRNA
Tonya Donnell, CRNA
David Frost, CRNA
Joyce Gill, CRNA

Donna Gordon-Lyda, CRNA
Debra Greenwell, CRNA
Eddie Hallock, CRNA
Lori Hart, CRNA
Connie Lynn, CRNA
Chongsuk Marck, CRNA
Jo Ann Mayes, CRNA
Jennifer Meadows, CRNA
Nancy Palmore, CRNA
Jessie Parsons, CRNA
Cleve Pitts, CRNA
Jessie Pollard, CRNA
Brad Rickett, CRNA
Wade Rippy, CRNA
Ella Robinette, CRNA
Nanci Russell, CRNA
Susan Schroeder, CRNA
Edward Silva, CRNA
Tip Sneed, CRNA
Kale Streetman, CRNA
Lori Taylor, CRNA
Laurette Yund, CRNA

CUMBERLAND MEDICAL CENTER

CROSSVILLE, TN

Anita Turner, BSN, CRNA, MS

HENDERSONVILLE HOSPITAL

HENDERSONVILLE, TN

Julie Boskind, CRNA
Rachel Brown, CRNA, MS
Patrick Moss, CRNA
Rick White, CRNA

METROPOLITAN NASHVILLE GENERAL HOSPITAL

NASHVILLE, TN

Clayton Bachman, BSN, CRNA
Karen Bagwell, CRNA
Jim Brown, CRNA
Jon Burks, CRNA
Alan Davenport, CRNA
Allen Hamilton, CRNA
David Heffington, CRNA
Victor Martin, CRNA
Ken Ramsey, BSN, CRNA
Karen Stephenson, BSN, CRNA

MAURY REGIONAL HOSPITAL

COLUMBIA, TN

Evelyn Almonrode, CRNA
Scott Brenner, CRNA
Cynthia Collie, CRNA
Melissa Davis, CRNA
Beth Foster, CRNA
David Heffington, CRNA
Todd Holt, CRNA
Daniel Klapperich, CRNA
John Kittrell, CRNA
Cathy Ledford, CRNA
Stephanie Lewie, CRNA
Jennifer Loveless, CRNA
Buddy Malone, CRNA
Brian McKelvy, CRNA
Darlene Pruitt, CRNA
Jenny Southerland, CRNA
Bob Stewart, CRNA
Dale Willenberg, CRNA

NASHVILLE MEMORIAL HOSPITAL

MADISON, TN

Arnold Agbunag, CRNA
Allen Hamilton, CRNA
Jason Levoy, CRNA
Vic Martin, CRNA
Rich Maynard, CRNA

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HERMITAGE, TN

Sean Burch, CRNA
Jim Cook, CRNA
Arlene Cooper, CRNA
Leanne Fergusson, CRNA
Max Harper, CRNA
Paul Hotsinpiller, CRNA
Susan Loudon, CRNA
Rose Mays, CRNA
Joe Nickerson, CRNA
Heidi Orme, CRNA
Steve Plaxco, CRNA
Nina Porter, CRNA
Kent Price, CRNA
Lee Simmons, CRNA
James Smith, CRNA
Nikki Wallace, CRNA

TENNESSEE CHRISTIAN MEDICAL CENTER

MADISON, TN

Mary E. DeVasher, CRNA, MEd, MS
Lee Rutledge, CRNA, MS
Tommy Tucker, CRNA
Richard Young, CRNA, MS

TENNESSEE CHRISTIAN MEDICAL CENTER - PORTLAND

PORTLAND, TN

Lee Rutledge, CRNA, MS
Tommy Tucker, CRNA
Richard Young, CRNA, MS

VANDERBILT UNIVERSITY MEDICAL CENTER

NASHVILLE, TN

Robert Atwood, CRNA
B.J. Barker, CRNA
Steve Blanks, CRNA
Paul Bonner, CRNA
Julie Doherty, CRNA
Barbara Doring, CRNA
Patty Durchsprung, CRNA
Steve Dzyban, CRNA
Tammy Freehling, CRNA
Eileen Griffin, CRNA
Jan Hardison, CRNA
Sherry Harmon, CRNA
Sally Holzapfel, CRNA
Jerry Ishee, CRNA
Mike Jacob, CRNA
Susan (Buffy) Krauser, CRNA, MS
Sheila Markley, CRNA
Lewis N. McCarver, CRNA
Edith Newberry, CRNA
Carolyn Richmond, CRNA
Charles Sharbel, CRNA
Bridget Sharp, CRNA
Amy Smith, CRNA
Tracey Strokis, CRNA
Ki Szmyd-Hogan, CRNA
Marcia Teas-Hicks, CRNA
Debbie Temple, CRNA
Karla Underwood, CRNA
Paul Wilson, CRNA

***ACADEMIC AND
ADMINISTRATIVE SUPPORT STAFF***

Patsy A. Logue	Business Manager Office Manager
Carol H. Stinson	Academic Assistant
Mitzi A. Birdwell	Clinical Assistant
Brenda E. Zemanick	Admissions/Financial Aid Assistant
Dolores L. Underhill	Receptionist/Evaluations Assistant

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