



**THE UNIVERSITY OF MICHIGAN – FLINT  
HURLEY MEDICAL CENTER  
MASTER OF SCIENCE IN ANESTHESIA  
PROGRAM**

# **Prospective Student Guide**

**FOR THE CLASS STARTING FALL OF 2009**

**HURLEY**  
MEDICAL CENTER

**Welcome to the University of Michigan–Flint/Hurley Medical Center Master of Anesthesia Program Prospective Student Guide. We have prepared this booklet to assist you in obtaining information about our program to help you decide that this is the place for you to further your education to become a Certified Registered Nurse Anesthetist. Please review the booklet carefully and you will find answers to many of the commonly asked questions about the program. If you have additional questions after reviewing the book, please contact us at (810) 257-9264 or email me at [lynnlebeck@hurleymc.com](mailto:lynnlebeck@hurleymc.com) and we will respond as soon as possible. Thank you for your interest in our program.**

**Lynn L. Lebeck, CRNA, PhD  
Program Director  
University of Michigan-Flint/  
Hurley Medical Center  
Master of Science in Anesthesia Program**

### TABLE OF CONTENTS

Introduction	2
Accreditation and Affiliations	2
Equal Opportunity Policy	2
History	2
Mission & Philosophy	2
Technical Standards for Admission and Graduation	3
Expectations of Students	4
Demands of the program	5
Admissions	6
Criteria	6
Calendar	6
Process	6
Drug Free Learning Environment	8
Rights and Responsibilities	8
Curriculum	9
Design	9
Outcome Criteria	9
Plan of Study	10
Graduation Criteria	11
Tuition/Fees/Tuition Refund	11
Other Costs	11
Loans/Grants/Scholarships	11
Student Employment	11
Clinical Affiliations	12
Health Insurance	12
Addendum	12

## **INTRODUCTION**

The policies and procedures set forth in this prospective student guide are not a contract. The University of Michigan-Flint/Hurley Medical Center Anesthesia Program reserves the right to change or revise its policies and procedures at any time without prior notice to the students.

### **ACCREDITATION & AFFILIATIONS**

The University of Michigan-Flint is accredited by the North Central Association of Colleges and Schools (NCA). The University of Michigan-Flint/Hurley Medical Center Master of Science in Anesthesia Program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 222 S. Prospect Ave., Park Ridge, IL 60068, (847) 655-1160. The program's next review by the COA is scheduled for May 2014.

### **EQUAL OPPORTUNITY POLICY**

It is the policy of both Hurley Medical Center and the University of Michigan-Flint that no person shall be discriminated against in employment, educational programs, activities or admissions on the basis of race, color, national origin, sex, religion, age, marital status, handicap or Vietnam-era status. The University of Michigan-Flint and Hurley Medical Center are equal opportunity/affirmative action employers.

### **HISTORY**

The Hurley Hospital School of Anesthesia was established as a diploma program in May 1950, in an effort to alleviate the shortage of trained personnel available to meet the expanding surgical schedule. Helen Vos, CRNA, organized the school and it was accredited by the American Association of Nurse Anesthetists as a 12-month program. In 1960, the program was lengthened to 18 months, and in 1975, the name of the hospital and the school was changed to Hurley Medical Center. In October 1977, the program was revised to meet the latest educational standards and lengthened to 24 months. In March 1981, the School of Anesthesia began to offer a Bachelors of Science on an optional basis jointly with The University of Michigan-Flint. In 1988, primarily due to financial constraints the program was closed. However, in 1991, The University of Michigan-Flint and Hurley Medical Center jointly formulated the present Masters in Anesthesia Program.

### **MISSION & PHILOSOPHY**

The University of Michigan-Flint/Hurley Medical Center Anesthesia Program is dedicated to provide the health care community with professional competent nurse anesthetists. To insure this, the nurse anesthesia program is designed and equipped to educate qualified registered nurses at a graduate level in the science of nurse anesthesia practice according to standards and guidelines set forth by the Council on Accreditation. The curriculum and clinical experiences are designed to incorporate cognitive, affective, and psychomotor learning to achieving professional competence as an anesthesia care provider.

The mission of the Anesthesia Program is to support the graduate education of nurse anesthetists and ensure our graduates have the knowledge, skills and abilities to provide quality anesthesia care and service. The mission is predicated on the common goals of the University of Michigan-Flint and Hurley Medical Center to provide quality education, research and clinical service to the community.

The nurse anesthesia faculty support the individual development of each student by developing the students self-awareness, an appropriate value system and beliefs, cognitive process abilities, and proficient technical skills. This is achieved by providing a wide range of experiences with various members of the faculty who are concerned with each student's didactic and clinical education.

Learning is a process that includes the person and all of his/her facts, concepts, beliefs, expectations and insights. Inherent to learning is the ability to choose, question, problem solve, and think critically. For optimum learning the nurse anesthesia program provides a positive atmosphere that encourages investigation, experimentation and application.

Teaching and learning is an interactive process. It is important that the teacher and learner be open to ideas, concepts and insights. Teaching as a reflective or problem solving basis is encouraged to stimulate the student in investigation and understanding of all the ramifications of the problem. The student is provided the freedom to learn while still maintaining close supervision. Evaluation is a critical component of this process. The teacher and learner provide feedback regarding their respective performance.

The learning process evolves throughout life. The nurse anesthesia program builds on an individual's nursing education and experience to provide a sound anesthesia education. Graduates will possess the knowledge and skills for entry into nurse anesthesia practice and further expand the scope of the profession.

It is the Program's policy to offer equal educational opportunity to all qualified applicants and students to ensure that there is no discrimination on the basis of race, creed, color, religion, sex, national origin, age, disability, ancestry, or any other basis protected by law.

### **Technical Standards for Admission and Graduation**

This section delineates the essential, non-academic attributes that individuals must possess to successfully participate in and complete the Graduate Program in Nurse Anesthesia. This document is prepared so that persons interested in applying for the Graduate Program in Nurse Anesthesia will have a better understanding of the physical, mental, emotional, and behavioral requirements necessary to function as a nurse anesthetist. The Program acknowledges the requirements of the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973.

The faculty recognizes that the practice of nurse anesthesia is physically, mentally, and emotionally challenging. The provision of safe, competent anesthesia services requires that practitioners demonstrate cognitive, technical, observational, and behavioral skills. Students need to have the physical and emotional endurance to adapt to a demanding graduate program.

Successful progression through the nurse anesthesia program requires the following abilities:

#### **Sensory:**

- Discriminate variations in human responses to disease using visual, auditory, tactile, and other sensory cues.
- Discriminate changes in monitoring devices and alarms using visual and auditory senses.
- Communicate clearly and effectively in English through oral and written methods in order to communicate with other health care providers and patients of all ages.
- Comprehend written and verbal communications in English.

#### **Motor:**

- Coordinate gross and fine motor movements and the senses of touch and vision to perform physical assessment, insert intravascular access, administer regional anesthetic techniques, and perform airway management.
- Demonstrate sufficient physical strength to perform airway management, move and position patients and equipment.
- Sufficient stamina to stand or sit for prolonged periods of time.
- Safely maneuver in areas with limited space and physical obstructions.
- Respond appropriately to alarms and changes in patient conditions that require physical interventions.

**Cognitive:**

- Use reason, analysis, calculations, problem solving, critical thinking, self-evaluation and other learning skills to acquire knowledge, comprehend and synthesize complex concepts.
- Interpret information derived from auditory, written and other visual data to determine appropriate anesthetic management plans.
- Apply theoretical knowledge to practice to provide safe anesthetic care.

**Behavioral:**

- Demonstrate personal and professional self-control as well as tactfulness, sensitivity, compassion, honesty, integrity, empathy, and respect.
- Work flexibly and effectively in stressful and rapidly changing situations.
- Cooperate with other members of the health care team to provide a therapeutic environment and safe patient care.
- Accept criticism and respond by appropriate behavior modification.

**Expectations of Students**

At our program we have high expectations for our students. We expect our students to **BE**:

**Self-motivated, life-long learners**

- Read and prepare prior to class and clinical
  - ✓ Utilize multiple sources, textbooks, notes, etc.
  - ✓ Handbooks, while helpful, are not sufficient as primary sources of information for preparation.
- Take an active role in your learning
  - ✓ Ask questions and seek clarification after having first made your own attempt to reason your way through a problem.
  - ✓ Continue to read further on a topic after didactic content is presented. There is certainly more information to be learned than what can be presented in the classroom setting.
  - ✓ Critical Thinking Skills – Inductive and deductive reasoning, inference, analysis, synthesis, etc., are skills that we expect students to use all the time.

**Internally motivated, high achievers**

- ✓ Have high expectations of yourself.
- ✓ Be driven from within to exceed both minimums and expectations.
- ✓ Willing to go above and beyond to learn and exhibit excellence in academic, clinical and professional situations.
- ✓ Recognize the extent of the time commitment, intellectual activity and energy required by rigorous, challenging and very demanding program of study.

**Prepared to meet the commitment**

- ✓ Prepare your support system, including significant others, about the time and energy required to successfully complete the program.
- ✓ Carefully consider such factors that may interfere with your ability to complete the program. The following list, while not all-inclusive, is representative of such factors:
  - 1) *Distance* – From residence to program and clinical sites – Long commutes decrease time available for studying, preparation, sleep, etc.
  - 2) *Finances* – While the program does not prohibit the student from working, meeting the demands of academics and clinical frequently prevent the student from working any significant amount of time. Financial planning is a must.

- 3) *Availability* – There is a large decrease in the amount of time and other availability for outside activities with family and friends.
- 4) *Time commitment* – Includes academic classes during the semester schedule; clinical experiences spanning the entire calendar year with off-shifts and weekends; professional activities with attendance at meetings, planning and presenting a yearly seminar, etc. These professional activities take place in addition to the normal academic and clinical activities.

### **An excellent communicator**

- ✓ Convey respect in your communication with patients, clinical instructors, didactic faculty, program administration, classmates, other students, clinical staff and others.
- ✓ Remember – Your clinical instructor cannot read your mind. Be proactive and communicate your preparations, anesthesia care plan and thought processes during clinical experiences. If you don't communicate your understandings, observations and ideas then others will assume you don't know, don't notice and have no idea!
- ✓ Carefully consider all aspects of communication – Verbal and non-verbal, such as use of language, facial expression, tone of voice, body posture, surrounding environment and presence of others within hearing range. You never have a second chance to make a first impression. Other people's perception of you is greatly influenced by your ability to communicate...
  - Positively
  - Precisely
  - Professionally

### **A PART OF SOMETHING GREATER THAN YOURSELF**

- ✓ You are a very important part of the program. Much thought, time and energy is devoted to delivering the quality education program that is the hallmark of the nurse anesthesia profession. However, you should recognize that you are a part of a greater whole and not greater than the whole. Your learning experience will not be obtained at the expense of patient care, fellow student experiences in either the clinical or classroom areas or the functioning of the clinical sites.
- ✓ As a CRNA you will be part of a profession with a proud heritage and long history of caring for patients, being vigilant and advocating for patients and for the profession. You will be expected to give back to the profession to ensure that others following behind will be afforded the education and opportunity that is available to you now.

### **DEMANDS OF THE PROGRAM**

#### **Time Commitment**

This program of study exceeds the clinical and didactic requirements of the Council on Accreditation of Nurse Anesthesia Educational Programs. Students must complete the academic requirements for graduate study within the School of Health Professions and Studies as well as the extensive commitment of a challenging clinical internship. Due to the demands of the program, a specific number of committed hours per week cannot be identified. However, required learning experiences will be confined to a reasonable number of hours.

Attendance at class, clinical, and other specific experiences is mandatory. The clinical portion of the program is year round and is not formatted by the university calendar. A student receives a specific number of holidays, assigned time off days, and accrues specified number of days that may be used for illness, personal appointments, vacation, etc. The current total is 35, of which 20 are assigned.

Clinical experiences include afternoon, midnight, and weekend shifts. Specific rotations may have additional time requirements.

## ADMISSIONS

Admission to the program is selective with preference given to applicants judged to be best qualified to undertake the program of study

### CRITERIA

The minimum requirements for admission to the Anesthesia Program are:

1. **Current, unrestricted, licensure as a Registered Nurse in Michigan or one of the United States or protectorates.**
2. **Baccalaureate degree in nursing or appropriate biological science from a regionally accredited institution. We can not consider degrees from unaccredited institution. State Board of Nursing recognition alone is not sufficient.**
3. **Overall grade point average of 3.0 (last 120 hours of college work) and a minimum average of 3.0 in the required prerequisite undergraduate courses.**
4. **Completion of prerequisites (or the equivalents) to the M.S. in Anesthesia Program**
  - a) CHM 150 or 160 Fundamentals of **Chemistry I** & CHM 151 or 161 Fundamentals of Chemistry Laboratory (strongly recommended)
  - b) CHM 220 or 252 **Organic Chemistry**
  - c) BIO 167 **Anatomy and Physiology** and BIO 168 Human Anatomy and Physiology (single semester A&P Courses must be 5 or more credits)
  - d) BIO 135 **Microbiology** Basics
  - e) One course in **Statistics**
  - f) MTH 111 **College Algebra** (or demonstrated competence through math placement test). Intermediate or Elementary Algebra is NOT sufficient or accepted.
5. **A minimum of one year's experience as a registered nurse in a critical care nursing area...SICU, MICU, CCU, etc**  
We accept NICU (neonatal), & Emergency Department (E.R.) but applicants are expected to have a working knowledge of Swan Ganz and other advanced monitoring modalities and titration of vasopressors (This are not usually utilized in the ER or NICU).
6. Current Certification as an **Advanced Cardiac Life Support Provider**. (ACLS)
7. Current Certification as a **Pediatric Advanced Life Support Provider**. (PALS)
8. **Graduate Records Examination Scores** (Please note that GRE Scores are purged from the GRE System after 5 years.) The GRE General test will be used to supplement undergraduate records and other indicators of students' potential success in the program. The scores provide a common measure for comparing the qualifications of applicants who come from a variety of colleges and universities. We review the percentile scores so you should consider repeating if your percentile scores are low.
9. **If your science credits are 10 years old or more then we expect to see a recent repeat of Organic or Biochemistry and one course in Anatomy/Physiology**
10. Due to the length of time that it may take international applicants to become licensed as a Registered Nurse in the United States we will not consider applications "pending receipt of a license".

PLEASE BE AWARE THAT **ALL** REQUIREMENTS ARE EXPECTED TO BE COMPLETED AND DOCUMENTATION PRESENT IN THE APPLICANT'S FILE PRIOR TO THE DEADLINE. You may be enrolled in your final prerequisite course at the time of application but if you have additional courses or other incomplete items you will be deferred.

### CALENDAR

The program has annual admission in the Fall semester. Applications must be completed for review by October 1, 2008 for fall interviews and February 1, 2009 for spring interviews. Admission interviews will be conducted in November/December and March/April. Applicants will be notified in November/December and April/May of the Admission committee decision regarding their status.

## **PROCESS**

Application forms may be obtained from the University of Michigan-Flint, Graduate Admissions Office. Instructions for completion of the forms are included. Please be aware that incomplete files will not be considered for interview.

- A. The following data must be submitted on-line (graduateprograms.umflint.edu) OR to the office of Graduate Programs, 251 Thompson Library, University of Michigan-Flint, Flint, MI 48502-2186 before the Program Admissions' Committee will evaluate the applicants file:
1. Properly completed program application for admission (on-line or on paper). This includes a supplemental application (paper) and a 500-1000 word autobiography/goal statement.
  2. Application Fee (See Addendum)
  3. Copy of current State of Michigan Registered Nursing License or other state if applying from out-of-state (if accepted you must have a current Michigan License prior to the start of the program)
  4. Transcripts from **ALL** previous Colleges attended
  5. Copy of Military discharge (if applicable)
  6. References are required, utilizing program forms that are signed and returned to the Graduate Office, 251 Francis Thompson Library, University of Michigan-Flint, Flint, Michigan, 48502. **References must be from your:**
    - a. Nursing School – Dean, Director or Faculty Member.
    - b. Current Nurse Manager
    - c. A practicing colleague, able to evaluate your performance as a Registered Nurse.
  7. Copy of ACLS certificate
  8. Copy of PALS certificate
  9. GRE scores
  10. Applicants whose native language is not English (this includes U.S. citizens and permanent residents whose native language is not English) must demonstrate English proficiency By providing evidence through one of the following methods:
    - a) Take the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IETLS test, the Michigan English Language Assessment Battery (MELAB), or the Examination for the Certificate of Proficiency in English (ECPE). Scores must be no more than 2 years old. The minimum acceptable scores are as follows: TOEFL: 560 on paper-based test, 220 for computer-based test, or 84 for internet-based test; MELAB: 80; IELTS:6.5; ECPE: Certificate of Proficiency.
    - b) Provide an official transcript showing **one** of the following: a degree earned at an accredited U.S. college or university **OR** a degree earned at a foreign institution where the primary language of instruction was English **OR** successful completion ('C' or higher) of ENG 111 or ENG 112 or equivalent.

If the above listed requirements are met the applicant may be scheduled for a personal interview with the Admissions Committee. No student is selected without an interview. Meeting minimum criteria does not guarantee an interview. Based on the size and qualifications of the applicant pool a determination will be made by the admissions committee regarding the number of applicants to be interviewed. Selection of students is the responsibility of the Admissions Committee of the Anesthesia Program. The Admissions Committee considers the academic and clinical achievements, undergraduate and graduate if applicable, of the applicant to determine those applicants invited for an interview. The Admissions Committee selects the individuals who are considered to be best suited to undertake the rigorous course of study and expected to successfully complete it. All applicants will be informed of the Admissions Committee decisions in a timely manner.

An applicant who was previously enrolled in a nurse anesthesia program is expected to submit transcripts of academic and clinical records from that experience for review.

Students accepted to the program are required to have a complete physical assessment at Hurley Medical Center that includes an alcohol/drug screen. If a student tests positive, the Drug Free Learning Environment policy of the Anesthesia Program will be followed and may result in dismissal prior to starting the program.

### **DRUG FREE LEARNING ENVIRONMENT**

To assure a drug free learning environment which provides the public with safe anesthesia care the Anesthesia Program has adopted a policy which prohibits the unlawful manufacture, distribution, dispensation, possession or use of an illegal and/or controlled substance and/or alcoholic beverages. Anesthesia students will have a drug/alcohol screen along with their entrance physical examination as required by the Hurley Medical Center. Drug/alcohol screening may be requested of a student at any time during the program if there is cause to believe that substance abuse is affecting a student's ability to perform his/her duties. However, impairment in the clinical area or didactic portions of the program for any reason, alcohol, drugs (Prescription, non-prescription, illegal, etc), fatigue, or illness is considered grounds for dismissal from the program.

The drug alcohol screening policy complies with that of Hurley Medical Center and provides a step by step procedure to request drug screening. Because anesthesia students are a valuable resource the Anesthesia Program encourages drug counseling, rehabilitation and referral services at the University student services and Hurley Medical Center.

### **RIGHTS AND RESPONSIBILITIES**

#### **Applicants have the right to expect:**

1. That all applicants are treated in a non-discriminatory manner with respect to race, age, religion, gender, national origin, martial status, disability, or any other factor protected by law.
2. That applications will be evaluated in a fair and consistent manner.
3. That admission process decisions are communicated to the applicant in a timely manner.

#### **Applicants have the responsibility to:**

1. Meet admission deadlines for submission of complete files.
2. Provide truthful, accurate application materials.
3. Provide truthful, accurate, and complete responses to questions regarding application materials.
4. Provide truthful, accurate, and complete responses to questions during the admissions committee interviews and other interactions with the program.
5. Communicate with the program in a timely manner regarding their decision to accept or decline an admission offer.

#### **Students have the right to expect:**

1. That the normal lines of student communication begin with the clinical and/or didactic faculty. Subsequent steps include the Educational Coordinator, Program Director, Department Chairman, and ultimately, the Dean of the School of Health Professions and Studies. Under special circumstances, a student may feel that it is necessary to communicate a concern directly to an individual within the administrative structure. In these cases, the student may bypass the formal lines of communication.
2. That they will not be exploited relative to time commitment for pay or profit.
3. That the rights and responsibilities of each party are fully understood and complied with, and student failure to achieve the goal within the time frame expected for which he/she enrolled is based on valid, reliable data and information from evaluations viewed objectively and fairly by due process mechanisms when contested.
4. Fair and accurate evaluations on their progress in the program of study are made and they are to be kept informed of the status of that progress.
5. Access to academic and clinical transcripts.

**Students will be held accountable for:**

1. The quality of preparation, completion and performance of graduate work.
2. **Complying with the policies and regulations pertaining to the program of study.**
3. Fulfilling all responsibilities of the program of study as defined at the time of enrollment in the program, or made a part of the program during the period of enrollment.

**Graduates have the right to expect:**

1. That an official Transcript of Student Record will be forwarded to the Council on Certification of Nurse Anesthetists in sufficient time for eligibility determination so that graduates may schedule the Certification Exam at their earliest convenience following program completion.
2. Verification of completion of the program will be sent to requesting sources in a timely manner.

**CURRICULUM**

The program is 60 credits beyond the bachelor's degree. The program of full-time study, over 24 consecutive months, integrates clinical and didactic instruction. Although didactic course work follows the academic calendar, the clinical practicums span the entire calendar year. The majority of anesthesia classes are held at Hurley Medical Center; however, some classes are held at the University of Michigan-Flint Campus and may be held at some other site.

**OUTCOME CRITERIA**

The curriculum is designed to prepare the graduate to attain the following outcome criteria:

- a. Maintains patient safety.
- b. Protects patients from iatrogenic complications.
- c. Positions or supervises the positioning of patients to prevent injury.
- d. Performs a preanesthetic assessment and formulates an anesthesia care plan for patients to whom they are assigned to administer anesthesia.
- e. Uses a variety of current anesthesia techniques, agents, adjunctive drugs, and equipment while providing anesthesia.
- f. Conducts a comprehensive and appropriate equipment check.
- g. Identifies and takes appropriate action when confronted with anesthetic equipment-related malfunctions.
- h. Administers general anesthesia to patients of all ages and physical conditions for a variety of surgical and medically related procedures.
- i. Provides anesthesia services to patients, including trauma and emergency cases.
- j. Administers and manages a variety of regional anesthetics.
- k. Interprets and utilizes data obtained from noninvasive and invasive monitoring modalities.
- l. Calculated, initiates, and manages fluid and blood component therapy.
- m. Recognizes and appropriately responds to anesthetic complications that occur during the Perioperative period.
- n. Utilizes universal precautions and appropriate infection control measures.
- o. Functions as a resource person for airway and ventilatory management of patients.
- p. Serves as a leader or member of a cardiopulmonary resuscitation team and possess advanced cardiac life support (ACLS) recognition.
- q. Possess pediatric advanced life support (PALS) recognition.
- r. Participates in quality management activities.
- s. Functions within appropriate legal requirements as registered professional nurse, accepting responsibility and accountability for his or her practice.
- t. Demonstrate personal and professional integrity and the ability to interact on a professional level.
- u. Provide quality nurse anesthesia care to patients for a variety of types of surgical and/or diagnostic procedures based on professional standards of care.
- v. Provide quality nurse anesthesia care to patients representing populations for diverse cultural backgrounds, medically underserved communities and rural health care settings.

## **PLAN OF STUDY**

### **Fall Year I**

ANE 550	Chemistry & Physics for Anesthesia Practice	2 CR
ANE 551	Biochemistry for Anesthetists	2 CR
ANE 510	Pharmacology I	2 CR
ANE 540	Anatomy and Physiology I	2 CR
ANE 541	Renal Physiology	1 CR
ANE 542	Endocrine Physiology	1 CR
ANE 515	Principles of Anesthesia Practice I	3 CR
		/13 CR

### **Winter Year I**

ANE 543	Anatomy and Physiology II	2 CR
ANE 533	Regional Human Anatomy	3 CR
ANE 511	Pharmacology II	2 CR
ANE 516	Principles of Anesthesia Practice II	4 CR
ANE 590	Clinical Practicum II	1 CR
		/12 CR

### **Spring/Summer Year I**

ANE 520	Regional Anesthesia	2 CR
ANE 560	Introduction to Research	2 CR
ANE 517	Principles of Anesthesia Practice III	3 CR
ANE 580	Pharmacology III	1 CR
ANE 591	Clinical Practicum III	2 CR
		/10 CR

### **Fall Year II**

ANE 545	Pathophysiology	2 CR
ANE 512	Advanced Pharmacology	3 CR
ANE 585	Masters Thesis Development	1 CR
ANE 581	Seminar I	1 CR
ANE 592	Clinical Practicum IV	2 CR
		/9 CR

### **Winter Year II**

ANE 500	Professional Components	3 CR
ANE 544	Neuroanatomy & Physiology	3 CR
ANE 586	Masters Thesis Development II	1 CR
ANE 582	Seminar II	1 CR
ANE 593	Clinical Practicum V	2 CR
		/10 CR

### **Spring/Summer Year II**

ANE 587	Master Thesis Development III	3 CR
ANE 583	Seminar III	1 CR
ANE 594	Clinical Practicum VI	2 CR
		/6 CR

**Total Credits = 60**

## **COURSE DESCRIPTIONS**

See Online catalog for course descriptions. This can be found on the university website at [www.umflint.edu](http://www.umflint.edu)

## **GRADUATION CRITERIA**

A student will be eligible to take the certification examination administered by the Council on Certification of Nurse Anesthetists only after they have met all graduation criteria. The graduation criteria include:

1. Completion of all program requirements as described in the University of Michigan-Flint Catalogue.
2. Completion of all courses with a cumulative GPA of 5.0 or better.
3. Successful completion of all requirements pertaining to research.
4. Achievement of all outcome criteria of the program as described in the Student Handbook.
5. Successful completion of all clinical internships.
6. Current ACLS provider status.
7. Current PALS provider status
8. Current, unrestricted, Michigan RN license

### **Tuition/Fees/Tuition Refunds See addendum.**

#### **Other costs**

Students must bear the cost of transportation to the clinical sites and university as well as to any required meetings or seminars. Scrubs will be provided at the clinical sites; however, shoes and lab coats must be purchased by the student. Each student shall purchase an earpiece, precordial stethoscope and required textbooks. Students are required to hold associate membership in the American Association of Nurse Anesthetists (AANA). (See addendum).

The total cost of the items described in this section, excluding transportation, is estimated to be approximately \$2,000.

Students are required to take the Student Self-Evaluation Examination offered by the Council on Certification of Nurse Anesthetists in the winter/spring of each year. Costs for the Self-Evaluation Exam are listed in the addendum.

Students are also required to submit a certified check to the Council on Certification of Nurse Anesthetists in July in the final year of the program in order to take the Certification Exam. (See addendum)

Communication from the program faculty to students is primarily online via a communication site and email. While there is access to this through Hurley Medical Center and the University of Michigan-Flint Computer Lab it is strongly recommended that the student have a personal computer and internet access along with software such as Word® and PowerPoint®. In addition to communications, several current courses are online supplemented and we expect to increase the amount of content delivered via the internet. Our content is formatted for IBM compatible computers.

### **Loans/Grants/Scholarships**

Information on scholarship and grant opportunities may be obtained by contacting the Financial Aid Department at University of Michigan-Flint (810) 762-3444.

### **Student Employment**

The time commitment involved in graduate study may prohibit a student from working during the program. Some students find that they are able to work on a limited basis. Although the program does not have a policy regarding the number of hours that a student may work outside of the program, the student's performance in the program will dictate how many hours, if any, a student may work. **Under no circumstances may the student be employed as a nurse anesthetist by title or by function during the program- this is grounds for immediate dismissal.**

### **Clinical Affiliations**

Currently, clinical experiences are gained at Hurley Medical Center (Flint), Covenant Health Care (Saginaw), Genesys Regional Medical Center (Grand Blanc), McLaren Regional Medical Center (Flint), Memorial Healthcare (Owosso), St Mary's of Michigan (Saginaw), McKenzie Memorial (Sandusky, MI), Port Huron Hospital (Port Huron) and MidMichigan Medical Center-Midland (Midland). New clinical sites coming soon will be University of Michigan Hospital (Ann Arbor) and Mott Children's Hospital (Ann Arbor). Students rotate to a variety of sites during the program and should consider the locations of clinical sites as part of their commuting distances. There may be additional clinical sites added which may be located elsewhere within the State of Michigan. Applicants wishing to have up-to-date information regarding clinical sites and rotations are directed to contact the program office at (810) 257-9264. The program reserves the right to add or change clinical sites.

### **Health Care**

At this time, Hurley Medical Center provides health insurance coverage for students enrolled in the Nurse Anesthesia Program. Coverage is limited to the student and does not include spouses or dependants. Injuries incurring functioning in the clinical area may be treated in the Emergency Department. Students who become ill while in the clinical area will be referred to Employee Health for initial treatment. If the required treatment is beyond the scope of the Employee Health Department, the student will be referred to an appropriate practitioner.

## **ADDENDUM**

### **UNIVERSITY OF MICHIGAN-FLINT/HURLEY MEDICAL CENTER GRADUATE PROGRAM OF NURSE ANESTHESIA**

#### **2009 ESTIMATED Financial Information**

- |   |                                   |
|---|-----------------------------------|
| • Application fee (non-refundable)                                | \$55.00                           |
| • Tuition   | See University info               |
| • Clinical Fee  | \$500/semester/\$3,000 for 2 yrs. |
| • Clinical Case Tracking Registration                             | \$130 (approximately)             |
| • PDA software (Palm OS) download                                 | no charge                         |
| • Textbooks   | Varies                            |
| • American Association of Nurse Anesthetists Associate Membership | \$100.00                          |
| • Council on Certification Self-Evaluation Exam x 2               | \$110.00 (total \$220.00)         |
| • Michigan Association of Nurse Anesthetists/Meeting Reg. Fee x3  | \$50/mtg (approximately)          |
| • Certification Exam  | \$700.00                          |
| • Graduation Fee (non-refundable)                                 | See University information        |

(All costs are accurate as of March 2008)

---

**All fees/payments are subject to change by the Board of Regents of the University of Michigan, Administration of Hurley Medical Center, or the American Association of Nurse Anesthetists.**

ProspectiveBK2009 (SHARED DRIVE/VITAL RECORDS)