Prospective Student Guide

Revised November 2019

Doctor of Nurse Anesthesia Practice
DNAP Entry Level Program
Dear Prospective Student,

Welcome! Thank you for your interest in the University of Michigan-Flint Nurse Anesthesia Program. If you are interested in pursuing a graduate degree in the field of anesthesia, this guide has been prepared expressly for you. We have attempted to address the most frequently asked questions regarding our program. Please contact us at anesthesiaprogram@umich.edu with any remaining questions.

We look forward to hearing from you!

Gena Welch, DrAP, CRNA
Program Director
UM-Flint Nurse Anesthesia Program

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DNAP Entry Level Program

The University of Michigan-Flint Nurse Anesthesia Program is dedicated to providing the healthcare community with professional, competent nurse anesthetists at both clinical and administrative levels in keeping with the standards and guidelines set by the Council on Accreditation of Nurse Anesthesia Educational Programs. The mission of the Nurse Anesthesia Program is to ensure our graduates have the knowledge and skills required to provide high quality anesthetic care and are prepared to enter expanded and specialized leadership roles within the complex field of health care. This mission is predicated on the goal of University of Michigan-Flint to provide quality education, research and clinical service to the community.

ACCREDITATION

The University of Michigan-Flint is accredited by the Higher Learning Commission (HLC). The Anesthesia Program is further accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 222 S. Prospect Avenue, Park Ridge, IL 60068; ph. 847-655-1160. The next accreditation review takes place in 2024. A complete list of accredited anesthesia programs is available from the COA website.

PROGRAM HISTORY

In May 1950, Hurley Hospital established the Hurley Hospital School of Anesthesia as a diploma program to alleviate a shortage of trained nurse anesthetists. The twelve-month course of study received full accreditation by the American Association of Nurse Anesthetists thanks to the dedication and determination of Director Helen Vos, CRNA. The curriculum was expanded to 18 months in the 1960s and to 24 months in the 1970s, at which time it was renamed Hurley Medical Center School of Anesthesia. Hurley joined forces with the University of Michigan-Flint in March 1981 and advanced the program to a Bachelor of Science level. Although financial constraints caused the school's closure in 1988, it re-emerged in 1991 as the University of Michigan-Flint/Hurley Medical Center Master of Science in Anesthesia Program. Recognizing the need to prepare practicing CRNAs for expanding leadership roles in education and healthcare administration, UM-Flint opened Michigan's first fully accredited doctoral nurse anesthesia completion program in 2011 and awarded the state's first Doctor of Anesthesia Practice (DrAP) degrees in 2013. In 2017, the completion degree title was changed to Doctor of Nurse Anesthesia Practice (DNAP) and the final group of students were enrolled. National accreditation standards mandate that students matriculating into an anesthesia program on or after January 1, 2022 enroll in an accredited doctoral curriculum; the University of Michigan-Flint remains ahead of the curve by transitioning to a three-year entry-level DNAP degree program in Fall of 2018. The University of Michigan-Flint assumed sole ownership of the Nurse Anesthesia Program in 2019.

ACCESSIBILITY

The Anesthesia Program supports the Americans with Disabilities Act of 1990 and Section 504 of the 1973 Rehabilitation Act. With adequate notice, reasonable accommodations will be made for applicants and students with disabilities or accessibility limitations. To request academic accommodations due to a disability, please contact Disability and Accessibility Support Services at (810) 762-3456. They can provide direct assistance to students with disabilities. The program also complies with the University of Michigan Nondiscrimination Policy and applicable federal and state laws regarding nondiscrimination and affirmative action.
PROGRAM OVERVIEW

Your prior nursing education and experience provides the foundation for this three-year entry-level DNAP program. The doctoral curriculum combines intensive graduate-level coursework with concurrent clinical experiences. Program faculty provide a positive, interactive learning environment grounded in investigation, experimentation and clinical application. Students acquire the knowledge and skills necessary for successful entry into independent nurse anesthesia practice under close clinical and didactic supervision. Classes are held at the University of Michigan-Flint in beautiful downtown Flint, Michigan. Clinical practicums take place at affiliate healthcare facilities throughout greater mid-Michigan (see Clinical Experiences, left). Program graduates exceed the minimum standards for graduation set by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA).

CLINICAL EXPERIENCES
Subject to change

Ambulatory Surgery
East Ann Arbor Surgery Center
Kellogg Eye Center
Livonia Center Specialty Care
Mackinaw Surgery Center
St. Mary’s Towne Centre

Cardiothoracic Cases
Covenant HealthCare
Genesys Medical Center
McLaren Bay Region
McLaren Port Huron
MidMichigan Midland

General Rotations
Covenant HealthCare
Genesys Medical Center
Hurley Medical Center
McLaren Bay Region
McLaren Flint
McLaren Lapeer Region
McLaren Port Huron
Michigan Medicine/UM Hospital
MidMichigan Midland
Oaklawn Hospital
Promedica Coldwater
St. Mary’s of Michigan

Neurovascular Cases
Genesys Medical Center
McLaren Bay Region
McLaren Flint

Obstetrical Cases
Covenant HealthCare
Genesys Medical Center

Pediatric Cases
Hurley Medical Center
Mott Children’s Hospital

Regional Anesthesia
Mackinaw Surgery Center
MidMichigan Clare/Gladwin
VA Medical Center/Detroit

CRNA-Only Practice
Hills & Dales General
McKenzie Hospital
MidMichigan Clare/Gladwin
Promedica Coldwater
Oaklawn Hospital
PROGRAM COST

Current graduate student tuition and fees are available online. The following list of additional expenses is not meant to be comprehensive and is provided to serve as a guideline only. Actual expenses will vary from student to student. All estimates are subject to change.

<table>
<thead>
<tr>
<th>Estimated Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>$55  Application Fee</td>
</tr>
<tr>
<td>$140 Background check, drug screen &amp; compliance tracking</td>
</tr>
<tr>
<td>$90  Program Orientation Fee</td>
</tr>
<tr>
<td>$2,043 Registration Fees ($227 per semester x 9)</td>
</tr>
<tr>
<td>$3,500 Clinical Fees ($500 per practicum x 7)</td>
</tr>
<tr>
<td>$690  Online Course Fee ($46 per credit x 15)</td>
</tr>
<tr>
<td>$2,500 Textbooks/reference materials</td>
</tr>
<tr>
<td>$499  APEX Anesthesia Review</td>
</tr>
<tr>
<td>$180  Medtrax Case Management ($60 per year x 3)</td>
</tr>
<tr>
<td>$200  AANA Associate Membership</td>
</tr>
<tr>
<td>$400  MANA Meetings ($100 per meeting x 4)</td>
</tr>
<tr>
<td>$75   ANE 704 Thesis Binding Fee</td>
</tr>
<tr>
<td>$400  BLS, ACLS, PALS Certification/Recertification ($200 biennially x 2)</td>
</tr>
<tr>
<td>$500  NBCRNA Self Evaluation Examination ($250 per exam x 2)</td>
</tr>
<tr>
<td>$995  NBCRNA National Certification Examination (NCE)</td>
</tr>
<tr>
<td>(varies) Transportation/lodging for classes, clinical rotations, etc.</td>
</tr>
<tr>
<td>(varies) Health insurance, physical examinations, immunizations, etc.</td>
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</tbody>
</table>

Additional expenses may include software, electronics, subscriptions, lab coats, shoes, special events, etc. All figures are estimates and subject to change.

SCHOLARSHIPS

Three scholarships established by the Rachor Family Foundation are available specifically for nurse anesthesia students, the Diane Brown CRNA Scholarship, the Virginia K. Polzin CRNA Scholarship, and the Barbara I. Sprague CRNA Scholarship. Visit the Office of Financial Aid for more information.

ARE YOU READY?

Anesthesia is one of the most mentally, physically and emotionally demanding advanced practice nursing disciplines. The anesthesia educational process is equally rigorous. Safe, competent anesthesia care depends on the practitioner's ability to assess patients quickly and insightfully while communicating efficiently and effectively with the healthcare team. Candidates best prepared to complete the program are highly motivated, goal-oriented, well organized and geared for professional, clinical and academic excellence. These individuals are not satisfied by merely meeting or exceeding established prerequisites; they seek knowledge beyond the presented content and pursue solutions before asking questions. They maintain high personal standards for themselves and for others. The following attributes are essential for student success.

Behavioral
- Exhibits self-discipline, self-control and self-awareness, both personally and professionally
- Interacts with others in a compassionate, sensitive, empathetic, and tactful manner
Prospective Student Guide

Entry Level DNAP

- Responds positively to criticism and incorporates appropriate, reflective behavior modifications
- Performs efficiently and effectively in stressful healthcare environments
- Is inquisitive and intellectually curious
- Cooperates as necessary to ensure safe, therapeutic patient care
- Respects faculty, staff, students and patients
- Respects public and private property
- Exhibits analytical, critical and evaluative problem-solving skills
- Comprehends, acquires and synthesizes complex concepts
- Interprets audio/visual data accurately when determining anesthetic management plans
- Applies theoretical knowledge and evidence-based practices to anesthetic care

Communication
- Communicates clearly and effectively in English (oral and written)
- Comprehends English quickly and accurately (oral and written)
- Perceives verbal and non-verbal cues accurately
- Communicates precisely, professionally and positively

Sensorimotor
- Uses appropriate sensory cues to detect intervention response variations (visual, auditory, tactile, etc.)
- Detects visual and auditory changes in monitoring devices and alarms
- Responds appropriately to alarms and conditions requiring physical intervention
- Demonstrates fine, gross, and sensory motor skills necessary for physical assessment, intravascular access, regional anesthetic administration and airway management
- Maneuvers safely in work areas with space limitations and physical obstructions
- Possesses physical strength sufficient to transport/position patients and equipment
- Has sufficient stamina to sit/stand for prolonged periods of time

EXPECTATIONS

Applicants are expected to provide truthful, accurate application materials and communicate with the program in a timely manner. Applicants may expect timely communication, nondiscriminatory treatment and fair, consistent evaluation.

Students are expected to abide by program policies outlined in the student handbook as well as with applicable university and affiliate clinical site policies and procedures. Students are expected to behave in a professional manner reflective of CRNA standards and put forth their best efforts at all times. Students may expect reasonable access to academic and clinical transcripts, fair evaluation, timely communication regarding academic and clinical progress, and freedom from exploitation for pay or profit.

Graduates are expected to maintain current professional knowledge and skill sets, advocate for excellence in patient care, lead by example, participate in professional organizations, support educational experiences for student registered nurse anesthetists (SRNAs), positively represent the CRNA profession, and positively represent the UM-Flint Nurse Anesthesia Program. Graduates may expect timely forwarding of student transcripts to the National Board of Certification and Recertification of Nurse Anesthetists (NBCRNA) and accurate, timely responses to employer education verification requests.
THE PROGRAM

Orientation
Incoming students must register and attend a two-week program orientation immediately prior to fall semester. A $90 student orientation registration fee applies.

Requirements
Prior to orientation, incoming students register with the compliance vendor specified by the program and register for a pre-enrollment background check, twelve-panel drug screen, and compliance tracking. Students are required to upload and maintain proof of compliance for the following requirements throughout program enrollment.

- Current, unrestricted Michigan Registered Nurse licensure
- Current Basic Life Support (BLS) certification
- Current Pediatric Advanced Life Support (PALS) certification
- Current Advanced Cardiac Life Support (ACLS) certification
- Physician, PA or NP certification of ability to participate
- Eye examination by an ophthalmologist
- Positive antibody titers or appropriate vaccination series for Hepatitis B, MMR and Varicella
- Tetanus-Diphtheria-Pertussis vaccination (Tdap) vaccine or booster within past 10 years
- Influenza vaccination for current flu season
- Annual negative Tuberculin QuantiFERON®TB Gold In-Tube test (QFT-GIT) or SPOT® TB test (T-Spot). Positive results require a negative chest x-ray within the last 12 months and TB questionnaire signed by an authorized provider certifying student is negative for an active TB infection.
- Annual completion of HIPAA training
- Annual completion of bloodborne pathogens training
- Proof of current health insurance coverage
- Media Consent form
- Disclosure Authorization form
- Anesthesia Program Student Agreement
- Respirator mask fitting

Students are expected to provide evidence of compliance directly to clinical sites upon request.

Communication
Program administrators maintain open lines of communication and are generally available to students on a daily basis. Students are expected to check their university email account regularly and be able to communicate with the program via personal cell phone and text messages.

Schedules
Clinical rotations are determined administratively based on student clinical needs and facility availability. Student schedules are posted online and subject to revision, so they must be checked often. Students are scheduled for a reasonable amount of class and clinical time. All scheduled events are mandatory unless designated otherwise. This includes classes, clinical assignments, workshops, professional meetings, wellness days, and other activities. Clinical assignments are scheduled during university breaks and other times classes are not in session and will include day, evening, night and weekend shifts. Students receive at least two days off per calendar week and are not scheduled on Labor Day, Thanksgiving Day, the Friday after Thanksgiving, Christmas Eve, Christmas Day, New Year’s Day, Memorial Day or Independence Day. Students may be scheduled on holiday weekends. The program assigns additional time off between semesters.
Students receive 20 days (160 hours) of discretionary time off to use throughout the duration of the 36-month program. Time off requests are granted in four-hour increments and must be submitted in advance except in cases of illness or emergency. If a student exceeds their time off allowance, the difference must be made up prior to graduation. Additional sanctions apply to unexcused absences. Leaves of absence are not recommended due to the fast pace of the program, but may be granted for certain extenuating circumstances at the discretion of the program director. Students are responsible for all content regardless of attendance status.

GRADUATION

To ensure graduates are well-prepared to fulfill the professional responsibilities of a nurse anesthetist, students must meet the outcome criteria established by the Council on Accreditation of Nurse Anesthesia Educational Programs as well as the Nurse Anesthesia Program prior to graduation.

COA Outcome Criteria

The graduate must demonstrate the ability to do all of the following:

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

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

**Critical Thinking**
13. Apply knowledge to practice in decision making and problem solving.
14. Provide nurse anesthesia services based on evidence-based principles.
15. Perform a preanesthetic assessment before providing anesthesia services.
16. Assume responsibility and accountability for diagnosis.
17. Formulate an anesthesia plan of care before providing anesthesia services.
18. Identify and take appropriate action when confronted with anesthetic equipment-related malfunctions.
19. Interpret and utilize data obtained from noninvasive and invasive monitoring modalities.
20. Calculate, initiate, and manage fluid and blood component therapy.
21. Recognize, evaluate, and manage the physiological responses coincident to the provision of anesthesia services.
22. Recognize and appropriately manage complications that occur during the provision of anesthesia services.
23. Use science-based theories and concepts to analyze new practice approaches.
24. Pass the national certification examination (NCE) administered by NBCRNA.

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

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

Professional Role
33. Adhere to the Code of Ethics for the Certified Registered Nurse Anesthetist.
34. Interact on a professional level with integrity.
35. Apply ethically sound decision-making processes.
36. Function within legal and regulatory requirements.
37. Accept responsibility and accountability for his or her practice.
38. Provide anesthesia services to patients in a cost-effective manner.
39. Demonstrate knowledge of wellness and substance use disorder in the anesthesia profession through completion of content in wellness and substance use disorder.
40. Inform the public of the role and practice of the CRNA.
41. Evaluate how public policy making strategies impact the financing and delivery of healthcare.
42. Advocate for health policy change to improve patient care.
43. Advocate for health policy change to advance the specialty of nurse anesthesia.
44. Analyze strategies to improve patient outcomes and quality of care.
45. Analyze health outcomes in a variety of populations.
46. Analyze health outcomes in a variety of clinical settings.
47. Analyze health outcomes in a variety of systems.
48. Disseminate research evidence.
49. Use information systems/technology to support and improve patient care.
50. Use information systems / technology to support and improve healthcare systems.
51. Analyze business practices encountered in nurse anesthesia delivery settings.

Program Outcome Criteria
Students are eligible to graduate once the following graduation requirements are met:
- Completion of all courses with a B or better (no more than one B- allowed)
- Successful completion of all clinical practicums
- Successful completion of the minimum number of case experiences determined by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA)
Achievement of COA Outcome Criteria
- Successful completion of all scholarly project requirements
- Current, unrestricted licensure as a State of Michigan registered nurse
- Current Basic Life Support provider certification (BLS)
- Current Advanced Cardiac Life Support provider certification (ACLS)
- Current Pediatric Advanced Life Support provider certification (PALS)
- Final review and correction of documents required by the National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA) to schedule the National Certification Examination

CERTIFICATION

Prior to becoming a practicing CRNA, graduates must pass the National Certification Examination or NCE administered by the National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA). Only graduates from programs accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs may apply to take this exam. It is important to note that the NCE application process mandates disclosure of any action taken against a student as a result of ethical misconduct; such conduct may impede or prevent the graduate from taking the examination.
ADMISSION

**Course Prerequisites**
Applicants must have a cumulative GPA of at least 3.0 from a regionally accredited institution for the following courses. UM-Flint equivalencies are noted in parenthesis. More information is available from the current course catalog or transfer equivalency guide.

- College Algebra - Completion of MTH 111 with a grade of B (3.0) or better, successful completion of AP Algebra, or successful completion of Algebra CLEP exam
- Statistics, graduate or undergraduate level
- General Chemistry for Health Sciences (CHM 150) or Principles of Chemistry I (CHM 260)
- General Chemistry for Health Sciences Lab (CHM 151) or General Chemistry Lab (CHM 261) strongly recommended
- Fundamentals of Organic Chemistry (CHM 220) or Biological Chemistry for Health Sciences (CHM 252)
- Microbiology Basics (BIO 135), Human Anatomy & Physiology I BIO 167 and Human Anatomy & Physiology II (BIO 168) (single-semester Anatomy & Physiology courses must be five or more credit hours)
- Recent repeats of the following courses are required if taken more than ten years prior to application to the program: Fundamentals of Organic Chemistry (CHM 220) or Biological Chemistry for Health Sciences (CHM 252) and Human Anatomy and Physiology I (BIO 167) or Human Anatomy and Physiology II (BIO 168)

Applicants presently enrolled in a single final prerequisite course may apply for admission consideration only if all other prerequisite course requirements have been met. Applications otherwise incomplete will not be reviewed.

**Professional Criteria**
The following criteria establish the eligibility baseline for admission consideration:

- Current, unrestricted, licensure as a registered nurse in one of the United States, United States protectorates or Washington DC
- Bachelor's degree in nursing or appropriate biological science from a regionally accredited institution
- Nursing grade point average (GPA) of at least 3.0 from a regionally accredited institution
- Cumulative grade point average of 3.0 in required prerequisite courses
- Minimum of one year of experience as a registered nurse in a critical care unit such as SICU, MICU, CCU. Other critical care units may be considered if the applicant has working knowledge of mechanical ventilation, invasive hemodynamic monitors (e.g., pulmonary artery, central venous pressure, and arterial catheters), and is proficient in vasopressor titration.
- **Current employment in a critical care unit**
- Evidence of at least eight hours of CRNA shadowing
- Current Basic Life Support Provider (BLS) certification
- Current Advanced Cardiac Life Support Provider (ACLS) certification
- Current Pediatric Advanced Life Support Provider (PALS) certification

Due to the length of time that it may take international applicants to become licensed as a registered nurse in the United States, applicants who are pending receipt of a license will not be considered. CCRN, TNCC or other specialty certifications are not required but strengthen the application.
Enrollment is limited. The admission process is highly selective and very competitive. Preference is given to applicants judged best qualified to succeed. Applications completed by September 1 are considered for early admission to the fall cohort of the following year. Applications completed by February 1 are considered for regular admission to the fall cohort of the current year. Applicants selected for further review must complete the interview process to retain eligibility for admission to the relevant cohort. Early consideration interviews are conducted in November; regular consideration interviews are conducted in March.

The following must be submitted to the Office of Graduate Programs by the appropriate application deadline for admission consideration; incomplete applications will not be reviewed:

- Application for Graduate Admission
- DNAP Supplemental Application
- $55 application fee (nonrefundable)
- Official transcripts from all attended colleges and universities
- CRNA Shadow Verification Form
- Autobiographical essay describing your experience, professional goals, career expectations and reason for selecting anesthesia (500-1000 words).
- Copy of military discharge (if applicable)
- Copy of current, unrestricted, licensure as a registered nurse in one of the United States, United States protectorates or Washington DC
- Copy of current Basic Life Support (BLS) certificate
- Copy of current Advanced Cardiac Life Support (ACLS) certificate
- Copy of current Pediatric Advanced Life Support (PALS) certificate
- Three letters of recommendation: one from the dean, director, or faculty member of your nursing program; one from a present employer or supervisor, and one from a practicing colleague who is familiar with your work as a registered nurse.

**International Applicants**

International students require additional documentation; visit the International Students page for details. *Due to the length of time it may take for international applicants to become licensed as a registered nurse in the United States, applicants with pending licenses will not be considered.*

**Transfer Students**

The entry-level DNAP program is unable to accept students as transfers. Applicants previously enrolled in another anesthesia program must apply through the standard application process. Transcripts, clinical evaluations and a letter of recommendation from the director of the previously attended program must be included with the application. Within university parameters, credit may be given for completed graduate coursework at the discretion of program administration. Course transfer requests are initiated by submitting a petition to the program director.
PLAN OF STUDY

Doctor of Nurse Anesthesia Practice
Required Courses

ANE 501 Principles of Anesthesia I (3)
ANE 502 Principles of Anesthesia II (3)
ANE 503 Advanced Principles of Anesthesia (3)
ANE 525 Regional Anesthesia (3)
ANE 535 Advanced Physical Assessment (2)
ANE 541 Renal Physiology (1)
ANE 542 Endocrine Physiology (1)
ANE 544 Neuroanatomy for Anesthetists (3)
ANE 551 Biochemistry for Anesthetists (2)
ANE 601 Admin Organization & Behavior (3)
ANE 605 Health Policy (3)
ANE 621 Anatomy & Physiology I (2)
ANE 622 Anatomy & Physiology II (2)
ANE 630 Applied Chemistry & Physics (2)
ANE 641 Pharmacology I (2)
ANE 642 Pharmacology II (2)

ANE 643 Pharmacology III (2)
ANE 644 Advanced Pharmacology (2)
ANE 677 Financial Mgt in Healthcare (3)
ANE 699 Medical Writing (2)
ANE 700 Introduction to Research (2)
ANE 701 Scholarly Project Development (1)
ANE 702 Scholarly Project Implementation (2)
ANE 703 Scholarly Project Analysis (1)
ANE 704 Scholarly Project Dissemination (1)
ANE 705 Crisis Resource Management (2)
ANE 710 Technology/Informatics for CRNA (2)
ANE 720 Ethical Issues in Anesthesia (2)
ANE 721 Prof. Aspects of Anesthesia I (2)
ANE 722 Prof. Aspects of Anesthesia II (2)
ANE 730 Evidence-Based Practice (3)
ANE 750 Management of Acute & Chronic Pain (2)
ANE 751 Advanced Pathophysiology I (2)
ANE 752 Advanced Pathophysiology II (2)
ANE 781 Current Topics in Anesthesia I (1)
ANE 782 Current Topics in Anesthesia II (1)
ANE 783 Current Topics in Anesthesia III (1)
ANE 791 Clinical Practicum I (1)
ANE 792 Clinical Practicum II (1)
ANE 793 Clinical Practicum III (2)
ANE 794 Clinical Practicum IV (2)
ANE 795 Clinical Practicum V (2)
ANE 796 Clinical Practicum VI (2)
ANE 797 Clinical Practicum VII (2)
ANE 800 Comprehensive Anesthesia Review (2)
BIO 511 Regional Human Anatomy (3)
Thompson Library
UM-Flint's Thompson Library offers an impressive range of student resources, many of which are available to distance students. (810) 762-3408

Information Technology Services
University ITS technicians assist students with computers, software and other technology as well as email, passwords and other issues. (810) 762-3123

Department of Public Safety
Contact the DPS for public safety, parking and transportation. Call 911 for campus emergencies. (810) 762-3333

Office of Extended Learning
The OEL provides learning opportunities and workshops for distance learners as well as Blackboard assistance, exam proctoring and access to student forms and applications. (810) 237-6691

Office of Financial Aid
The Office of Financial Aid assists students with financial aid issues and can provide information about grants, loans, scholarships and work-study employment opportunities. (810) 762-3444

Housing & Residential Life
Visit Housing & Residential Life for graduate student housing and meal plan options at Riverfront Residence Hall, which offers free parking, secure access, in-house movie theater, 24-hour fitness area, gaming stations, computer lab and great views of downtown Flint. (810) 237-6571

Counseling & Psychological Services
CAPS helps students maximize their academic and personal potential through counseling, therapy and workshops on topics such as stress management, time management, and healthy relationships. All services are provided at no charge to students. (810) 762-3456

Interactive Campus Map
University of Michigan-Flint Campus Map
The University of Michigan-Flint Nurse Anesthesia Program

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