Dear Prospective Student,

Welcome to the University of Michigan-Flint/Hurley Medical Center 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 our admissions coordinator, Amy Franckowiak, at amyburro@umflint.edu with any remaining questions.

We look forward to hearing from you!
Shawn Fryzel, DNAP, CRNA
Program Director
UM-Flint/Hurley Anesthesia Program

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DNAP Entry Level Program

The University of Michigan-Flint/Hurley Medical Center 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 Anesthesia Program is to ensure our graduates have the knowledge and skills required to provide high quality anesthesia care and are prepared to enter expanded/specialized leadership roles within the complex field of healthcare. This 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.

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; University of Michigan-Flint and Hurley Medical Center remain ahead of the curve by transitioning the two-year Anesthesia MS curriculum to a three-year entry-level DNAP degree program in Fall 2018.

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

Prior nursing education and experience serve as the foundation for three years of anesthesia studies. The entry-level DNAP curriculum combines intensive graduate-level coursework with concurrent clinical practicums. Program administration and faculty provide a positive, interactive learning environment grounded in investigation, experimentation and clinical application. Students acquire 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 campus in Flint, Michigan. Clinical assignments take place at Hurley Medical Center and other affiliate clinical facilities throughout the greater mid-Michigan area (see Clinical Experiences, left). Program graduates exceed minimum standards for graduation set by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA).
CURRENT Tuition and FEES are available online. The following list of expenses is not comprehensive and has been included only as a guideline. Actual expenses are difficult to estimate and vary from student to student.

<table>
<thead>
<tr>
<th>Estimated Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Application Fee</td>
<td>$55</td>
</tr>
<tr>
<td>Stanford Writing Course (prior to program orientation)</td>
<td>$20</td>
</tr>
<tr>
<td>CastleBranch (background check, drug screen, compliance tracking)</td>
<td>$140</td>
</tr>
<tr>
<td>Program Orientation Fee (base camp, precordial stethoscope &amp; earpieces)</td>
<td>$90</td>
</tr>
<tr>
<td>Semester fees ($216/semester x 9)</td>
<td>$1,944</td>
</tr>
<tr>
<td>Clinical fees ($500/practicum x 7 semesters)</td>
<td>$3,500</td>
</tr>
<tr>
<td>Online course fee ($46/credit x 15)</td>
<td>$690</td>
</tr>
<tr>
<td>Textbooks and reference materials</td>
<td>$2,500</td>
</tr>
<tr>
<td>APEX Anesthesia Review</td>
<td>$449</td>
</tr>
<tr>
<td>Medatrax Case Management ($60/year x 3)</td>
<td>$180</td>
</tr>
<tr>
<td>AANA Associate membership</td>
<td>$200</td>
</tr>
<tr>
<td>MANA meetings ($100/meeting x 5)</td>
<td>$500</td>
</tr>
<tr>
<td>Thesis binding fee (ANE 704)</td>
<td>$75</td>
</tr>
<tr>
<td>BLS, ACLS, PALS certification/recertification ($200 biennially x 2)</td>
<td>$400</td>
</tr>
<tr>
<td>NBCRNA Self-Evaluation Examination (SEE) ($250/exam x 2)</td>
<td>$500</td>
</tr>
<tr>
<td>NBCRNA National Certification Examination (NCE)</td>
<td>$995</td>
</tr>
<tr>
<td>Transportation &amp; lodging for classes, clinical rotations</td>
<td>(varies)</td>
</tr>
<tr>
<td>Health insurance, physical examinations, immunizations, etc.</td>
<td>(varies)</td>
</tr>
</tbody>
</table>

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

SCHOLARSHIPS

Scholarship information is available from the UM-Flint Financial Aid office. The Rachor Family Foundation has established three scholarships specifically for nurse anesthesia students: the Diane Brown CRNA Scholarship, the Virginia K. Polzin CRNA Memorial Scholarship, and the Barbara Sprague CRNA Scholarship.

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
- 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 Anesthesia Program policies and procedures outlined in their cohort handbook as well as by UM-Flint Policies and Procedures, Student Rights & Responsibilities, and Graduate Studies. Students are expected to comply with applicable clinical site policies and procedures, 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 lead by example, advocate for excellence in patient care, maintain current knowledge and skill sets, support SRNA (student registered nurse anesthetist) educational experiences, participate in professional organizations, and positively represent CRNA credentials and the UM-Flint/Hurley Anesthesia Program. Graduates may expect timely forwarding of student transcripts to the National Board of Certification and Recertification of Nurse Anesthetists (NBCRNA) as well as accurate and timely responses to employer education verification requests.

THE PROGRAM

Orientation
New students attend a mandatory two-week orientation immediately prior to fall semester. A $90 student orientation fee applies.

Requirements
Prior to orientation, incoming students are required to provide permission, personal information and payment to CastleBranch for a pre-enrollment background check and twelve-panel drug screen as well as compliance tracking throughout program enrollment. Students must upload and maintain proof of compliance for the following program requirements and provide any requested evidence of compliance directly to affiliate clinical sites:

- Current, unrestricted Michigan Registered Nurse licensure
- Current Basic Life Support provider certification (BLS)
- Current Pediatric Advanced Life Support certification (PALS)
- Current Advanced Cardiac Life Support certification (ACLS)
- Signed Anesthesia Program Media Consent form
- Signed Anesthesia Program FERPA form
- Eye examination by an ophthalmologist or optometrist
- Physical examination by an authorized healthcare provider
- Annual influenza vaccination
- Proof of Hepatitis B, MMR and Varicella immunity
- Negative Tuberculin QuantiFERON® TB Gold In-Tube test (QFT–GIT) or T-Spot; positive results require negative chest x-ray results within the last 12 months and questionnaire signed by an authorized health care provider certifying student is negative for an active TB infection.
- Tetanus-Diphtheria-Pertussis (Tdap) vaccination or booster within past 10 years
- Proof of current health insurance coverage (the UM-Flint Division of Student Affairs has information regarding graduate student insurance options)
- Annual completion of Hurley HealthStream HIPAA and Bloodborne Pathogens modules
- Respirator mask fitting test results

Dress Code
Students planning for a career in nurse anesthesia are expected to prepare for interactions with other anesthesia and medical professionals by dressing in attire appropriate for a professional meeting. Jeans, workout clothes, T-shirts, sweatshirts and shorts are generally considered inappropriate professional attire. On clinical days, students are expected to adhere to the dress code of the attended clinical affiliate.

Communication
In addition to a formal line of communication, program administrators maintain open lines of communication and are generally available to students on a daily basis. Students are expected to provide the program with a personal cell phone number that has texting capability, as texting is an important means of program communication.
**Student Schedule**

Clinical rotations and daily assignments are determined administratively based on student clinical needs, facility parameters and instructor availability. Student schedules are posted online and must be checked often, as they are subject to frequent revision.

**Clinical Assignments**

The student schedule combines a reasonable amount of class and clinical time with at least two days off per calendar week. Students are required to attend classes, clinical assignments, workshops, special events and professional meetings as scheduled. Clinical assignments are scheduled during university breaks and other times when classes are not in session. Clinical shifts include days, evenings, nights, Saturdays and Sundays.

**Holidays**

Students are not scheduled on Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve, Christmas Day, New Year’s Day, Memorial Day or Independence Day. They may, however, be scheduled on holiday weekends. Four additional days off are assigned each year between fall and winter semesters.

**Combined Leave Time (CLT)**

Each student receives 20 days (160 hours) of combined leave time to use as discretionary time off for the duration of program enrollment. Time off is granted in four-hour increments; requests must be submitted in advance except in cases of illness or emergency. Penalties apply to missed class days if a note from a physician is not presented. Leaves of absence are not recommended due to the fast pace of the Anesthesia Program, but may be granted at the discretion of program administration for certain extenuating circumstances. Students are responsible for all class and workshop content regardless of attendance status. Time missed in excess of the student allowance must be made up and may result in delayed graduation for the student.

**GRADUATION**

Graduates are well-prepared to fulfill professional nurse anesthetist responsibilities. Graduating students must meet outcome criteria established by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA) as well as UM-Flint Anesthesia Program graduation requirements.

**Outcome Criteria - COA**

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.

**Outcome Criteria - Program**
Students are eligible to graduate from the program 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 outcome criteria defined by the COA
- 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 (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 the NCE. A portion of the NCE application fee may be covered by proceeds generated from the annual anesthesia conference organized and hosted by the program's students. 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 PREREQUISITES

Coursework
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 Course Catalog or Transfer Equivalency Guide (for non-UM courses). Documentation required for AP courses and CLEP exams.

- College Algebra, one of the following:
  » Quantitative GRE score above 30th percentile
  » Completion of MTH 111 with a grade of B (3.0) or better
  » Successful completion of AP Algebra
  » 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)
- Either Microbiology Basics (BIO 135), Human Anatomy & Physiology I* (BIO 167) and Human Anatomy & Physiology II* (BIO 168) or Organismal Biology (BIO 111), Cell Biology (BIO 326) and Mammalogy (BIO 421)

*Single semester Anatomy & Physiology courses must be five or more credit hours.

Recent repeats of the following courses are required if credits are ten years old or older:
- Fundamentals of Organic Chemistry (CHM 220) or Biological Chemistry for Health Sciences (CHM 252)
- Human Anatomy and Physiology I (BIO 167) or Human Anatomy and Physiology II (BIO 168)

Applicants presently enrolled in their final prerequisite course may apply for admission consideration as long as all other prerequisites are met. Applications otherwise incomplete will not be reviewed.

Professional/Education
The following criteria establish the eligibility baseline for admission consideration:
- Current, unrestricted licensure as a registered nurse in one of the United States or protectorates
- 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 experience as a registered nurse in a critical care unit such as SICU, MICU, CCU, etc. Other critical care units may be considered if 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 certification (BLS)
- Current Advanced Cardiac Life Support Provider certification (ACLS)
- Current Pediatric Advanced Life Support Provider certification (PALS)
- Completion of Graduate Record Examination (GRE)

CCRN, TNCC or other specialty certifications are not required but strengthen the application.
Application Deadlines

- **Early Application**
  - **OCTOBER 1**

- **Regular Application**
  - **FEBRUARY 1**

Enrollment is limited. Admission is very competitive and highly selective. The Anesthesia Program Admissions Committee gives preference to applicants judged best qualified to succeed. Applications completed by **October 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. Incomplete applications will not be reviewed. The following items must be submitted to the **Office of Graduate Programs** by the appropriate application deadline for admission consideration:

- Application for Graduate Admission
- DNAP Entry-Level Supplemental Application
- $55 Nonrefundable application fee
- Official transcripts from all colleges and universities attended
- **GRE** scores sent directly to UM-Flint (institution code #1853)
- CRNA Shadow Verification Form
- Autobiographical essay of 500-1000 words describing professional goals, health care experience, career expectations, and reason for selecting the field of anesthesia
- Three letters of recommendation, one from each of the following:
  1. Dean, director, or faculty member of applicant's nursing program;
  2. Present employer/supervisor
  3. Practicing colleague familiar with applicant's work as a registered nurse
- Copy of military discharge (DD Form 214), if applicable
- Copy of current, unrestricted Michigan Registered Nursing license
- Copy of current Advanced Cardiac Life Support (ACLS) certificate
- Copy of current Pediatric Advanced Life Support (PALS) certificate

**Interview Process**
Applicants selected for further review are required to complete the program interview process to retain eligibility for admission to the relevant cohort. Early consideration interviews are conducted in November, and regular consideration interviews take place in March.

**International Applicants**
International students must submit additional documentation; visit **International Students** 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 Anesthesia Program cannot accept students as transfers. Applicants previously enrolled in other anesthesia programs must apply through the standard application process. Program transcripts, clinical evaluations and a recommendation from the prior program director must be included with the application. Credit may be given for completed graduate coursework, within University parameters, at the discretion of program administration. Please refer to the **Transfer Credit** section of the UM-Flint website for additional information. Course transfer requests are initiated by submitting a petition to the Anesthesia Program Director.
PLAN OF STUDY

YEAR 1

Fall
ANE 551 Biochemistry for Anesthetists (2)
ANE 621 Anatomy & Physiology I (2)
ANE 630 Applied Chemistry & Physics (2)
ANE 535 Advanced Physical Assessment (2)
ANE 699 Medical Writing (2)

Winter
ANE 533 Regional Human Anatomy (3)
ANE 720 Ethical Issues in Nurse Anesthesia (2)
ANE 501 Principles of Anesthesia I (3)
ANE 622 Anatomy & Physiology II (2)
ANE 641 Pharmacology I (2)

Spring
ANE 541 Renal Physiology (1)
ANE 542 Endocrine Physiology (1)
ANE 642 Pharmacology II (2)
ANE 502 Principles of Anesthesia II (3)
ANE 730 Evidence-Based Practice (3)
ANE 791 Clinical Practicum I (1)

YEAR 2

Fall
ANE 503 Advanced Principles of Anesthesia (3)
ANE 700 Introduction to Research (2)
ANE 643 Pharmacology III (2)
ANE 710 Technology & Informatics for CRNA (2)
ANE 792 Clinical Practicum II (1)

Winter
ANE 701 Scholarly Project Development (1)
ANE 525 Regional Anesthesia (3)
ANE 544 Neuroanatomy for Anesthetists (3)
ANE 793 Clinical Practicum III (2)

Spring
ANE 644 Advanced Pharmacology (2)
ANE 751 Advanced Pathophysiology I (2)
ANE 750 Management of Acute/Chronic Pain (2)
ANE 781 Current Topics in Anesthesia I (1)
ANE 702 Scholarly Project Implementation (2)
ANE 794 Clinical Practicum IV (2)
YEAR 3

**Fall**
ANE 752 Advanced Pathophysiology II (2)
ANE 782 Current Topics in Anesthesia II (1)
ANE 605 Health Policy (3)
ANE 703 Scholarly Project Analysis (1)
ANE 795 Clinical Practicum V (2)

**Winter**
ANE 721 Prof. Aspects of Anesthesia Practice I (2)
ANE 705 Crisis Resource Management (2)
ANE 704 Scholarly Project Dissemination (1)
ANE 677 Financial Management in Health Care (3)
ANE 796 Clinical Practicum VI (2)

**Spring**
ANE 722 Prof. Aspects of Anesthesia Practice II (2)
ANE 783 Current Topics in Anesthesia III (1)
ANE 800 Comprehensive Anesthesia Review (2)
ANE 601 Administrative Organization and Behavior (3)
ANE 797 Clinical Practicum VII (2)
Thompson Library
Thompson Library offers an impressive range of student resources, many of which are available to distance students via virtual private network (VPN) internet connection.

UM-Flint VPN
Off-Campus Access
Ph. (810) 762-3408

Information Technology Services (ITS)
ITS technicians are available to assist students with software/technology matters and UM-Flint email, uniqname and password issues.
Email: ITShelpdesk@umflint.edu
Technology Policies / ITS Help Desk
Ph. (810) 762-3123

Department of Public Safety (DPS)
Call 911 for campus emergencies.
Parking & Transportation
Ph. (810) 762-3333

Office of Extended Learning (OEL)
The Office of Extended Learning provides off-campus learning opportunities for distance learners as well as Blackboard assistance, exam proctoring and online access to student forms and applications.
Email: OLHelp@umflint.edu
Student/Blackboard Resources
Ph. (810) 237-6691

Office of Financial Aid
The Office of Financial Aid provides UM-Flint students with financial information and assistance with regard to grants, loans, scholarships, work-study employment opportunities, etc.
Email: financialaid@umflint.edu
Ph. (810) 762-3444

Housing & Residential Life
The Riverfront Residence Hall provides campus housing and meal plan options for graduate students. Contact the Housing & Residential Life office for details and availability.
Riverfront Residence Hall
Email: housing@umflint.edu
Ph. (810) 237-6571

Counseling & Psychological Services (CAPS)
CAPS provides services to enrolled students that help to maximize their academic and personal potential. Students are provided with counseling, therapy, and limited psychological testing. Workshops are available on topics such as stress management, test anxiety, time management, and healthy relationships. All services are provided at no charge to students.
Ph. (810) 762-3456

UM-Flint Interactive Campus Map