



NEW YORK MEDICAL COLLEGE

A MEMBER OF THE Touro College
AND UNIVERSITY SYSTEM

SCHOOL OF MEDICINE

Year Three Elective Catalogue

2018-2019

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Career Exploration Electives for Year Three Academic Year 2018-2019

Overview

The purpose of the electives program in year three is for career exploration. Students are to use third year electives to familiarize themselves with the scope of practice in a medical specialty outside of required year 3 clerkships. Interested students also have an option to enroll in a 4 week research elective.

Year 3 electives are one month in duration and must be completed at an NYMC affiliated institution. Registration for an elective will be done during the enrollment period via the TouroOne portal. Enrollment for each elective at a particular site will be accepted until its maximum capacity has been achieved. At that time, no further registration for that elective will be allowed.

Please note that not every elective is offered at every affiliate hospital.

Each student is responsible for his/her own transportation and housing during their assigned elective.

Additional resources to assist you with career decision making:

- Office of Student Affairs and your Advisory Deans
- AAMC Careers in Medicine (<https://www.aamc.org/cim/>)

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

CLINICAL ELECTIVES:

| DEPARTMENT/ELECTIVE | SITE | COURSE NUMBER |
|-----------------------------------|----------------------|----------------------|
| ANESTHESIOLOGY | <i>MET, SJH, WMC</i> | ANSM3510 |
| PAIN MANAGEMENT | <i>WMC</i> | ANSM3520 |
| EMERGENCY MEDICINE | <i>MET, SJH</i> | EMGM3510 |
| MEDICINE SUBSPECIALTIES: | | |
| CARDIOLOGY | <i>MET, SJH, WMC</i> | IMDM3510 |
| ENDOCRINOLOGY | <i>WMC</i> | ENDM3510 |
| GASTROENTEROLOGY | <i>SJH, WMC</i> | IMDM3530 |
| HEMATOLOGY/ONCOLOGY | <i>SJH, WMC</i> | IMDM3540 |
| INFECTIOUS DISEASE | <i>MET, WMC</i> | IMDM3550 |
| NEPHROLOGY | <i>MET, WMC</i> | NEPM3510 |
| PALLIATIVE CARE | <i>MET</i> | ANSM6511 |
| PULMONOLOGY | <i>MET, WMC</i> | IMDM3560 |
| RHEUMATOLOGY | <i>WMC</i> | IMDM3570 |
| PATHOLOGY | <i>WMC</i> | PATM3510 |
| PEDIATRIC SUBSPECIALTIES: | | |
| PEDIATRIC ALLERGY | <i>MFCH</i> | PEDM3585 |
| PEDIATRIC CARDIOLOGY | <i>MFCH</i> | PEDM3535 |
| PEDIATRIC CHILD ADVOCACY | <i>MFCH</i> | PEDM3510 |
| PEDIATRIC DEVELOPMENT | <i>MFCH</i> | PEDM3515 |
| PEDIATRIC ENDOCRINOLOGY | <i>MFCH</i> | PEDM3540 |
| PEDIATRIC GASTROENTEROLOGY | <i>MFCH</i> | PEDM3560 |
| PEDIATRIC HEMATOLOGY/ ONCOLOGY | <i>MFCH</i> | PEDM3565 |
| PEDIATRIC NEPHROLOGY | <i>MFCH</i> | NEPM6910 |
| PEDIATRIC OTOLARYNGOLOGY | <i>MFCH</i> | OTOM6561 |
| PEDIATRIC PULMONOLOGY | <i>MFCH</i> | PEDM3575 |
| RADIATION ONCOLOGY | <i>WMC</i> | RADM6661 |
| RADIOLOGY | <i>WMC</i> | RADM3520 |
| REHABILITATION MEDICINE | <i>MET</i> | RHBM3510 |
| SURGERY SUBSPECIALTIES: | | |
| CAROTHOORACIC SURGERY | <i>SJH</i> | SRGM6415 |
| OPHTHALMOLOGY | <i>MET</i> | OPTM3510 |
| ORTHOPEDIC SURGERY | <i>MET, SJH, WMC</i> | SRGM3550 |
| OTOLARYNGOLOGY | <i>WMC</i> | OTOM6560 |
| PLASTIC SURGERY | <i>MET</i> | SRGM3530 |
| UROLOGY | <i>MET, WMC</i> | URLM3510 |
| TRAUMA | <i>SJH</i> | SRGM3520 |
| RESEARCH OPPORTUNITIES | <i>Varies</i> | IDSM3510 |

****St. Joseph's electives are open only to those students who are assigned to St. Joseph's during the 3rd Year**

Hospital Key:

- MET:** Metropolitan Hospital, NYC
- SJH:** St Joseph's Hospital, Paterson, NJ
- WMC:** Westchester Medical Center

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

ANESTHESIOLOGY

| | |
|---|---|
| Department: | Anesthesia |
| Course Title: | Career Exploration in Anesthesia |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | MET, SJH**, WMC |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Available Specialties and Sites:

| | |
|-----------------------|----------------------|
| ANESTHESIOLOGY | MET, SJH, WMC |
| PAIN MEDICINE | WMC |

Learning Goals and Objectives:

The goal of this elective is to expose interested medical students to a career in Anesthesia.

By the end of this elective the student will be able to:

1. Recognize the scope of practice of Anesthesiologists, including pre-operative evaluation, anesthetic decision making, airway management, pain management, pulmonary and cardiac physiology, anesthetic pharmacology, and basic and invasive monitoring.
2. Recognize the elements of pre-anesthetic evaluations of patients (including history- taking, physical examination, and analysis of common laboratory results)
3. Understand the basic principles of administering regional and general anesthesia, IV sedation, and monitored care, as well as the side effects and complications of the various anesthetics and anesthetic interaction with surgery.

Learning Activities:

The student will participate in the full range of activities on the clinical service they are assigned. For surgical services, this includes observing operating room activities, rounding on patients as a member of a team, attending scheduled conferences and daily morning report. If applicable, the student is encouraged to take call with a member of the clinical team.

Expected hours:

Varies, but approximately 7AM-5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

EMERGENCY MEDICINE

| | |
|---|---|
| Department: | Emergency Medicine |
| Course Title: | Career Exploration in Emergency Medicine |
| Prerequisites: | <u>Successful completion of Year 2 of the MD Program and Year 3 Internal Medicine Clerkship</u> |
| Periods Offered: | Throughout the academic year |
| Site(s): | MET, SJH** |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Learning Goals and Objectives:

The goal of this elective is to expose interested medical students to a career in Emergency Medicine.

By the end of this elective the student will be able to:

1. Recognize common conditions encountered in the practice of Emergency Medicine.
2. Recognize common conditions seen by Emergency Medicine physicians.
3. Understand the roles of the different members of the Emergency Room Team.

Learning Activities:

The student will participate in the full range of activities on the clinical service they are assigned. For inpatient services, this includes rounding on service patients as a member of a team, attending scheduled conferences and daily morning report. Students are also expected to attend scheduled procedures with his/her team. For outpatient services, this includes attendance at clinical sessions and case conferences as scheduled. If applicable, the student is encouraged to take call with a member of the clinical team.

Expected hours:

Hours vary. Approximately 40 hours per week, distributed according to shifts. Can include overnight shifts in the ER as assigned. At all times, hours will follow New York Medical College School of Medicine Duty Hour Policy.

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

MEDICINE SUBSPECIALTIES

| | |
|---|---|
| Department: | Medicine |
| Course Title: | Career Exploration in Medicine |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | See Below |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Available Specialties and Sites:

| | |
|----------------------------|-----------------------------|
| CARDIOLOGY | <i>MET, SJH, WMC</i> |
| ENDOCRINOLOGY | <i>WMC</i> |
| GASTROENTEROLOGY | <i>SJH, WMC</i> |
| HEMATOLOGY/ONCOLOGY | <i>SJH, WMC</i> |
| INFECTIOUS DISEASE | <i>MET, WMC</i> |
| NEPHROLOGY | <i>MET, WMC</i> |
| PALLIATIVE CARE | <i>MET</i> |
| PULMONOLOGY | <i>MET, WMC</i> |
| RHEUMATOLOGY | <i>WMC</i> |

Learning Goals and Objectives:

The goal of these subspecialty electives is to expose interested medical students to a career in a core medical subspecialty.

By the end of this elective the student will be able to:

1. Recognize common conditions encountered in the selected subspecialty field.
2. Develop the ability to perform a focused history and physical related to the selected subspecialty field.
3. Identify the unique elements in the scope of practice of a clinician in the selected subspecialty field

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

MEDICINE SUBSPECIALTIES (cont'd)

Learning Activities:

The student will participate in the full range of activities on the clinical service they are assigned. For inpatient services, this includes rounding on service patients as a member of a team, attending scheduled conferences and daily morning report. Students are also expected to attend scheduled procedures with his/her team. For outpatient services, this includes attendance at clinical sessions and case conferences as scheduled. If applicable, the student is encouraged to take call with a member of the clinical team.

Expected hours:

9AM to 5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

PATHOLOGY

| Sponsoring | Pathology |
|---|---|
| Course Title: | Career Exploration in Pathology |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | WMC |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Learning Goals and Objectives:

The goal of this elective is to expose interested medical students to a career in Pathology.

By the end of this elective the student will be able to:

1. Demonstrate an understanding of diagnostic pathology.
2. Recognize the scope of practice of Pathologists.
3. Develop a knowledge base of pathologic terminology.

Learning Activities:

The student will participate in the full range of activities on the service they are assigned. This will include departmental conferences, scheduled procedures, and educational meetings.

Expected hours:

9AM to 5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

PEDIATRIC SUBSPECIALTIES

| | |
|---|---|
| Department: | Pediatrics |
| Course Title: | Career Exploration in Pediatrics |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | See Below |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Available Specialties and Sites:

| | |
|--------------------------------------|--------------------|
| PEDIATRIC ALLERGY | <i>MFCH</i> |
| PEDIATRIC CARDIOLOGY | <i>MFCH</i> |
| PEDIATRIC CHILD ADVOCACY** | <i>MFCH</i> |
| PEDIATRIC DEVELOPMENT | <i>MFCH</i> |
| PEDIATRIC ENDOCRINOLOGY | <i>MFCH</i> |
| PEDIATRIC GASTROENTEROLOGY | <i>MFCH</i> |
| PEDIATRIC HEMATOLOGY/ONCOLOGY | <i>MFCH</i> |
| PEDIATRIC NEPHROLOGY | <i>MFCH</i> |
| PEDIATRIC PULMONOLOGY | <i>MFCH</i> |

*** Paperwork for the elective must be completed and submitted to the coordinator 1 month prior to the start of the elective. Forms can be found on LCMS+ /SOM Year 3/ Electives page.*

Learning Goals and Objectives:

The goal of these subspecialty electives is to expose interested medical students to a career in a core pediatric subspecialty.

By the end of this elective the student will be able to:

1. Recognize common conditions encountered in the selected subspecialty field.
2. Develop the ability to perform a focused history and physical related to the selected subspecialty field.
3. Identify the unique elements in the scope of practice of a practitioner in the selected subspecialty field.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

PEDIATRIC SUBSPECIALTIES (cont'd)

Learning Activities:

The student will participate in the full range of activities on the clinical service they are assigned. For inpatient services, this includes rounding on service patients as a member of a team, attending scheduled conferences and daily morning report. Students are also expected to attend scheduled procedures in the operating room with his/her team. For outpatient services, this includes attendance at clinical sessions and case conferences as scheduled. If applicable, the student is encouraged to take call with a member of the clinical team.

Expected hours:

9AM to 5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

RADIATION ONCOLOGY

| | |
|---|---|
| Department: | Radiation Oncology |
| Course Title: | Career Exploration in Radiation Oncology |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | WMC |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

***For information regarding the Radiation/Oncology department, the students are encouraged to visit the website www.cancerdocs-radiation.com*

Learning Goals and Objectives:

The goal of this elective is to expose interested medical students to the specialty of radiation oncology and role of radiation therapy in the management of cancer.

By the end of this elective the student will be able to:

1. Recognize the scope of practice of Radiation/Oncologists.
2. Understand the role of the following individuals in the team-based care of a patient requiring radiation therapy: Radiation Oncologist, Radiation Physicist, and Radiation Therapist.
3. Understand the basics of radiation oncology as a specialty, conventional and advanced methods of radiation services (e.g. Conventional External beam radiation therapy, Stereotactic Radiosurgery/ SRS, Intensity Modulated Radiation Therapy/IMRT), Brachytherapy and Hyperthermia)
4. Recognize common conditions encountered in radiation oncology.

Learning Activities:

Under the supervision of a preceptor, the student actively participates in the evaluation of patients referred to the department for consultation. The student will be assigned to a radiation therapist who will illustrate through his/ her everyday experience with patients some of the basic facts of cancer etiology, natural history and efficacy of therapy. The fundamentals of the effect of radiation will be illustrated and discussed in informal sessions covering the method of planning therapy, the various modalities of irradiation, their potential and limitations.

Expected hours:

Varies, but approximately 7AM to 5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

RADIOLOGY

| | |
|---|---|
| Department: | Radiology |
| Course Title: | Career Exploration in Radiology |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | September - June |
| Site(s): | WMC |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Learning Goals and Objectives:

The goal of this elective is to expose interested medical students to a career in Radiology.

By the end of this elective the student will be able to:

1. Recognize the scope of practice of Radiologists.
2. Be conversant with different imaging modalities and assessment of test appropriateness as it relates to commonly encountered diseases or symptoms
3. Understand basic appearance of normal and abnormal imaging on plain film radiography, CT, MRI, and ultrasound
4. Have greater understanding of medical imaging as it relates to anatomy and physiology of normal processes and disease states
5. Understand the cost-benefit ratio regarding diagnostic, screening and surveillance imaging for benign and malignant disease

Learning Activities:

Under the supervision of faculty, the students will be introduced to the scope of the field of Radiology including: plain film, ultrasound (US), computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine (NM), mammography (M), and interventional radiology (IR). Students are also required to attend scheduled conferences and related educational activities.

Expected hours: 9:30AM to 3:30PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

REHABILITATION MEDICINE

| | |
|---|---|
| Department: | Rehabilitation Medicine |
| Course Title: | Career Exploration in Rehabilitation Medicine |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | MET |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Learning Goals and Objectives:

The goal of this elective is to provide interested students with exposure to the field of Rehabilitation Medicine.

By the end of this elective the student will be able to:

1. Describe the scope of practice of Physiatry.
2. Demonstrate familiarity with the common conditions that present to a physiatrist for evaluation and management.
3. Understand the roles of the members of the physiatry team in the care of patients including: physical, occupational, and speech therapists; psychologists; social workers; vocational counselors and prosthetist- orthotists.

Learning Activities:

This program is designed as an overview of Rehabilitation Medicine. It provides balanced theoretical instruction through lectures and seminars, and practical experience by patient demonstrations and clinic participation. The effects of neuromuscular, musculoskeletal and cardiopulmonary disorders on function are covered, as well as the performance of physiatric examinations. The use of special techniques and the prescription of physical modalities and therapeutic exercise in chronic conditions are outlined. Also discussed are the roles of physical, occupational, and speech therapists; psychologists; social workers; vocational counselors and prosthetist-orthotists in comprehensive rehabilitation programs.

Expected hours:

9AM-5PM

Evaluation:

All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

**Career Exploration Electives for Year Three
Academic Year 2018-2019**

SURGERY SUBSPECIALTIES

| | |
|---|---|
| Department: | Surgery |
| Course Title: | Career Exploration in Surgery |
| Prerequisites: | Successful completion of Year 1 and Year 2 of the MD Program |
| Periods Offered: | Throughout the academic year |
| Site(s): | See Below |
| Clinical/Non-Clinical: | Clinical |
| Duration of Elective: | 1 month |
| Where/When to report on first day: | Information about where to report on the first day of the elective will be available after you have been assigned to your elective and site. Please note that you may be required to participate in hospital orientation activities on the first day of the rotation if you have never rotated at the assigned site. |

Available Specialties and Sites:

| | |
|-------------------------------|-----------------------------|
| CARDIOTHORACIC SURGERY | <i>SJH</i> |
| OPHTHALMOLOGY | <i>MET</i> |
| ORTHOPEDICS | <i>MET, SJH, WMC</i> |
| OTOLARYNGOLOGY | <i>WMC</i> |
| PLASTIC SURGERY | <i>MET</i> |
| UROLOGY | <i>MET, WMC</i> |
| TRAUMA | <i>SJH</i> |

Learning Goals and Objectives:

The goal of these subspecialty electives is to expose interested medical students to a career in a core Surgery subspecialty.

By the end of this elective the student will be able to:

1. Recognize common conditions encountered in the selected subspecialty field.
2. Develop the ability to perform a focused history and physical related to the selected subspecialty field.
3. Identify the unique elements in the scope of practice of a practitioner in the selected subspecialty field.

Learning Activities:

The student will participate in the full range of activities on the clinical service they are assigned. For inpatient services, this includes rounding on service patients as a member of a team, attending scheduled conferences and daily morning report. Students are also expected to attend scheduled procedures in the operating room with his/her team. For outpatient services, this includes attendance at clinical sessions and case conferences as scheduled. If applicable, the student is encouraged to take call with a member of the clinical team.

Expected hours: 9AM
to 5PM

Evaluation: All 1 month career exploration electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

Career Exploration Electives for Year Three Academic Year 2018-2019

RESEARCH

Various departments sponsor students interested in pursuing research during the third year. To engage in a research program in year three, students must commit to a minimum of 4 weeks. Students will be required to submit a description of his/ her proposed research activity to the Director of Medical Student Research for approval as well as a progress report at the end of the 4-week block. Students will also be required to complete the CITI on-line human subject research training course during his/ her elective period if not already completed. Copies of any prior certification must be submitted with the application.

All electives are credit/no credit. Students will be evaluated on his/ her active participation and demonstrated professionalism.

For more information view the [Research Opportunities Catalog](#) with descriptions of research opportunities.

All requests for research electives must be done so by completing the.

This form must be submitted to **Dr. Mary Petzke** (MSR@nymc.edu) for mentor approval no later than 4 weeks prior to the start of the research elective.