

# **College of Medicine & Life Sciences**

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# Clinical Graduate/Undergraduate Programs (Master of Science in Biomedical Science [MSBS])

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- ❖ MSBS Physician Assistant \*  
2.5 years of didactic and clinical courses  
+ Scholarly Project
  
- ❖ MSBS (PSM) Human Donation Sciences  
1 year of both didactic and clinical courses  
+ Scholarly Project
  
- ❖ MSBS Assistant in Pathology \*  
2 years of both didactic and clinical courses  
+ Scholarly Project
  
- ❖ MSBS Medical Physics \*  
2 years of both didactic and clinical courses  
+ Thesis or Scholarly Project
  
- ❖ MSBS Medical Science (premed) (no dept. affiliation)  
1 year of didactic courses  
+ Scholarly Project
  
- ❖ Emergency Medical Services (Paramedic) \*  
1 year of both didactic and clinical courses  
+ Capstone project
  
- ❖ MSBS Oral Biology (open to dental residents only)  
2 years of both didactic and clinical  
+ Scholarly Project

# **Biomedical Science Program (BMSP)**

## **graduate research training**

- ❖ Currently, there are **77** students in COMLS “umbrella” Biomedical Science Program:

PhD (47), MD/PhD (11), and MSBS (19)

- ❖ There are five basic research “tracks” in the BMSP that offer PhD, MD/PhD or MSBS degrees:

- 1. Cancer Biology (CAB)**

PhD, MD/PhD

- 2. Molecular Medicine (MOME)**

PhD, MD/PhD or MSBS

- 3. Medical Microbiology & Immunology (MMI)**

PhD, MD/PhD or MSBS

- 4. Neurosciences and Neurological Diseases (NND)**

PhD, MD/PhD

- 5. Bioinformatics and Proteomics/Genomics (BIPG)**

MSBS (currently working on PhD track)

BIPG also has a pipeline: BS in Biology and MSBS in BIPG (no dept. affiliation)

**All COMLS graduate programs are 12 months/yr**



- Students accepted into the Biomedical Science Program receive a full tuition waiver and NIH level stipend during their graduate training for PhD, and with a smaller stipend for MSBS students.
- All first year students follow the same core BMSP didactic curriculum.
- All COMLS faculty wanting a graduate student speak to the first year class during first 3-4 weeks. After this PhD students go through three research rotations and MS students go through two research rotations to identify major advisors.
- **COMLS has no undergraduate courses therefore no TA's.** However, we have an agreement with COGS for student stipends:
  - 1<sup>st</sup> yr students receive 100% of their stipends from COMLS budget from COGS, 50% for 2<sup>nd</sup> yr students, 25% for 3<sup>rd</sup> yr students. The remaining portion of student stipends must come from research funds.
- **Thus the number of BMSP graduate students in COMLS is limited both by the budget COGS gives us each year and the number of funded PI's.**

# COMLS facts

MD students:	~700	UME
Residents & Fellows:	328	GME

**COGS enrolled graduate students: 248**

**Postdoctoral trainees: 20**

COMLS has **14** clinical department and **4** basic science departments with **322** clinical faculty and **83** basic scientists.

**All COMLS faculty are non-union and 12 month/yr.**

Majority of COMLS courses are team-taught.

COMLS has **20** vice-, senior associate-, associate-, and assistant-deans.

COMLS has one 0.5 FTE associate Dean for all graduate programs and one 0.5 FTE graduate coordinator.

COMLS has one dining room on campus – hospital cafeteria – shared with clinicians, hospitalists, residents, medical and graduate students, and patients.

COMLS has no student dorms.







Thank you

Any questions?

