

## Website Outline Example for <https://ssom.luc.edu/cmo/>

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<b>Page title:</b> About Us (serves as homepage)
<b>Description:</b> Learn more about the Cellular and Molecular Oncology program at Loyola University's Health Sciences Campus.

## [Header] Welcome

Dr. Clodia Osipo

<Image of Dr. Osipo here.>

Welcome to Loyola University Chicago: Health Sciences Division. I will be your Graduate Program Director (GPD) and will advise you along the way during your graduate studies. This is an exciting time for cancer research and Loyola's one of a kind Cellular and Molecular Oncology Master of Science program will pave the way to a successful career in cancer biology.

<Embed YouTube video here.>

<b>Page title:</b> Overview
<b>Description:</b> Learn more about the Cellular and Molecular Oncology program at Loyola University's Health Sciences Campus.

## [Header] Overview

The Cellular and Molecular Oncology Master of Science (CMO MS) program will prepare master's level scientists to meet the changing landscape of cancer research. Our CMO MS graduate program focuses on training and providing both the academic and laboratory research tools to best prepare graduate students to meet the challenges within the field of oncology early in their careers. Students will be trained for future careers in the pharmaceutical, biotech, or biomedical industry. Top researchers within Loyola's Oncology Research Institute will mentor CMO MS students toward the successful completion of their thesis research, directly involving students in the lab from day one. The profile of CMO MS students will be as diverse as the subject matter that they seek to study, many may seek to prepare themselves for an industry-related career, others will become top candidates for PhD programs, and some will be competitive candidates for healthcare professional schools. The common link within Loyola's CMO MS students is a fundamental passion for effecting positive change in oncology research.

**Page title:** Admission

**Description:** Learn more about the Cellular and Molecular Oncology program at Loyola University's Health Sciences Campus.

## **[Header] Admissions**

### [subheader] Requirements

- A completed admission application
  - Loyola's graduate admission application is free of cost
- Bachelor's degree within a science-related field from a regionally accredited institution
- Official transcripts from all undergraduate institutions attended
- Graduate Record Exam (GRE) official score report
  - Taken within the last four years
  - MCAT score may be used in place of GRE
- Three letters of recommendation
- Statement of Purpose

### **[Subheader] International Applicants Only:**

- TOEFL or IELTS official score report
- A Foreign Credential Report from ECE is required

*The Cellular and Molecular Oncology Master of Science program is committed to reviewing all applications received in their entirety and admissions decisions are made based on a comprehensive review of the application materials.*

**Page title:** Our Program

**Description:** Learn more about the Cellular and Molecular Oncology program's curriculum at Loyola University's Health Sciences Campus.

### **[Header] Our Program**

CMO MS graduate students will be required to complete 17 credit hours of required/elective courses and 13 credit hours of research and seminars/journal clubs in their two-year course of study. The coursework is designed to provide students with education in the biomedical sciences and expert knowledge in oncology. Seminars are a requirement for students to attend because they serve as a platform for students to learn about current innovations happening in real time within the field of oncology research. CMO MS students also have the opportunity to directly engage with their learning by participating in journal clubs, which are meant to encourage collaboration by following a student-centered approach.

#### **YEAR ONE: FALL**

		Credit Hours
BMCS 412	Cell Biology	4
BMCS 405	Ethics in Biomedical Sciences	1
CMO 503	Special Topics in Oncology	1
CMO 502	Oncology Seminar Series	0
CMO 499	Research (2 Laboratory Rotations)	2
		8

#### **YEAR ONE: SPRING**

		Credit Hours
MBIO 590	Molecular Biology of Oncogenesis	3
BMSC 402	Statistical Methods for Biomedical Sciences	2
CMO 503	Special Topics in Oncology	1
CMO 502	Oncology Seminar Series	0
CMO 499	Research	3
ELECTIVE		3
		12

**SUMMER**

Thesis Proposal

**YEAR TWO: FALL**

		Credit Hours
CMO 503	Special Topics in Oncology	1
CMO 499	Research	8
CMO 502	Oncology Seminar Series	0
CMO 595	Thesis Supervision	0
		9

**YEAR TWO: SPRING**

		Credit Hours
CMO 503	Special Topics in Oncology	1
CMO 502	Oncology Seminar Series	0
CMO 595	Thesis Supervision	0
		1

**Available Electives**

BMB 417	Molecular Biology
BMB 490	Special Topics: Epigenetics and Stem Cells
IDIM 400	Infections and Immunity
ICB 403	Graduate Histology
MMIM 471	Molecular Microbial Genetics
MMIM 502	Special Topics: Pillars in Immunology
PHAR 408	Receptor & Molecular Pharmacology
PHAR 409	Principals of Pharmacology

<b>Page title:</b> Research
<b>Description:</b> Learn more about the Loyola's Cellular and Molecular Oncology program's research.

### **[Header] Research**

Hands-on laboratory research will begin in the first semester of study.

Students will complete two lab rotations to help them identify their research advisor and lab. Upon completion of the first semester, a student's research advisor will be assigned and subsequent lab time will be spent designing, conducting, and analyzing independent research projects under the supervision of the student's advisor. Upon completion of the CMO MS program, graduates can expect they will be highly knowledgeable in the methodology and skill necessary for success in future research endeavours.

<b>Page title:</b> Tuition
<b>Description:</b> Learn more about the Loyola's Cellular and Molecular Oncology program's tuition.

### **[header] Tuition**

The CMO MS program is designed to be completed in 30 credit hours, over the course of a two-year period. Tuition for this program will be competitive with other MS programs being offered at Loyola University.

**Page Title:** Faculty and Research

**Description:** Learn more about the Cellular and Molecular Oncology program's research at Loyola University's Health Sciences Campus.

## [Header] Faculty and Research

Loyola's [Oncology Research Institute](https://ssom.luc.edu/oncology_institute/corefacilities/) (link to [https://ssom.luc.edu/oncology\\_institute/corefacilities/](https://ssom.luc.edu/oncology_institute/corefacilities/)) works in direct collaboration with the CMO MS program by engaging students in cancer-focused research, led by renowned [faculty](https://ssom.luc.edu/oncology_institute/faculty/index.cfm) (link to [https://ssom.luc.edu/oncology\\_institute/faculty/index.cfm](https://ssom.luc.edu/oncology_institute/faculty/index.cfm)). The Institute's key disciplines are in:

- **Signal transduction and experimental therapeutics**
- **Tumor immunology and immunotherapy**
- **Gene regulation and epigenetics**
- **Stem cell biology**

The [Cardinal Bernardin Cancer Center](https://ssom.luc.edu/oncology_institute/corefacilities/) (link to: [https://ssom.luc.edu/oncology\\_institute/corefacilities/](https://ssom.luc.edu/oncology_institute/corefacilities/)) houses the Oncology Research Institute and its labs. The Cancer Center boasts 125,000 square feet of basic science and laboratory research space. CMO MS students will work to support ongoing research in key areas of oncology inside the Cancer Center.

**Page Title:** News and Items

**Description:** Stay informed with news and events from Loyola's Cellular and Molecular Oncology program.

### [Header] News and Items

- Oncology Research Institute hosts Loyola undergrads for research internships (link to <https://luc.edu/healthsciencesresearch/stories/archive/oncologyinstitutebringslucundergradstomaywoodcampusforresearchinternships.shtml> )
- Kathy Albain, MD, receives Huizenga Family Endowed Chair in Oncology Research (link to <https://luc.edu/healthsciencesresearch/stories/archive/huizengaalbainendowedchair.shtml> )
- From the community: Update on Leukemia Research Shared at Road to a Cure (link to <http://www.chicagotribune.com/suburbs/northbrook/community/chi-ugc-article-update-on-leukemia-research-shared-at-road-to-2017-05-08-story.html> )