

MICROSCOPY (BS)

General Undergraduate Admission Requirements

All applicants must meet the general admission requirements for Concordia University Chicago undergraduate programs as published in the Concordia University Chicago academic catalog (<http://catalog.cuchicago.edu/graduate/graduate-admission-student-services/>).

New students are accepted into undergraduate degree-seeking programs for online (ADP) and on-campus (Traditional) study in the fall and spring semesters. If you have any questions please work with your admissions advisors.

BS-Microscopy Major Requirements

Applied Microscopy Program, offered by Concordia University Chicago in partnership with the Hooke College of Applied Sciences, a member of the McCrone Group, offers students the unprecedented opportunity to learn from world leaders in the field. Hooke provides professional services to industrial, governmental, and legal authority. The knowledge and the equipment training, during the course work at Hooke, prepare the students for successful industrial/scientific careers. Upon successful completion of a microscopy course, students will be eligible for a certificate of attendance or IACET (International Association for Continuing Education and Training) continuing education credit awarded by Hooke.

Code	Title	Hours
Required Hooke Courses		
MIC-4211 & MIC-4212	Polarized Light Microscopy and Polarized Light Mic Practicum	3
MIC-4221 & MIC-4222	Scanning Electron Microscopy and Scanning Electron Mic Practicum	3
MIC-4231 & MIC-4232	Infrared Microscopy and Infrared Microscopy Practicum	3
MIC-4241 & MIC-4242	Sample Preparation Techniques and Sample Prep Techniques Practicum	3
MIC-4999	Applied Science Capstone Crse	3
Hooke Electives		
Select MIC courses with practicum		18
Support Courses		
BIO-2011	General Biology I	4
BIO-2012	General Biology II	4
BIO-4400	Forensic Science	3
CHE-2211 & CHE-2212	General Chemistry I and General Chemistry II ¹	8
CHE-3311 & CHE-3312	Organic Chemistry I and Organic Chemistry II ¹	8
CHE-3410	Analytical Chemistry	4
CHE-4410	Instrumental Analysis	4
MAT-1550	Finite Mathematics	3
PHY-2121	Elementary Physics I	4
PHY-2122	Elementary Physics II	4
Total Hours		79

¹ Each sequence of CHE-2211 General Chemistry I/CHE-2212 General Chemistry II and CHE-3311 Organic Chemistry I/CHE-3312 Organic Chemistry II requires a 3.0 GPA or better

Note: Students interested in pursuing a Master of Science degree should complete MAT-2500 Calculus I and MAT-2600 Calculus II (Calculus I & II; satisfies general education requirement).

Graduation Requirements

Students in the College of Health, Science and Technology or The College of Theology, Arts and Humanities must meet all University requirements found in the Academic Information section of this catalog. Specific requirements for these Colleges include the following:

- A minimum cumulative GPA of 2.00 for all coursework completed at CUC
- A minimum GPA of 2.00 for all courses taken in the major at CUC
- A minimum grade of C for all courses taken in a major at CUC
- The Department of Natural Sciences requires a minimum grade of C for courses within the major that are not pre-requisites for other courses. For courses that are pre-requisites, the C minimum remains unless superseded by admission grade requirements for specific programs, e.g., nursing at Oak Point (formerly Resurrection) University, microscopy at Hooke College, medicine/dentistry/ pharmacy at LECOM, etc.).
- The following courses may not be taken on the Pass/Fail grade option:

Code	Title	Hours
ENG-0100	College Writing	3
ENG-1100	English Composition	3
ENG-2000	Writing About Literature	3
MAT-0100	Fundamentals of Math	3
MAT-0110	Advanced Intermediate Algebra	3
Any course in a major at CUC		