CMOL | Bachelor of Science in Cell and Molecular Biology | TYPICAL 4 YEAR PROGRAM OF STUDY | 2020-2021

DEGREE REQUIREMENTS

Credits: minimum of 180 credits

Credits in major: 115

GPA cumulative minimum: 2.0

GPA major minimum: 2.0

CURRICULUM NOTES

- Students must earn C in prerequisite biology courses
- Assumes placement into MATH 1230 by SAT/ACT, SU placement exam, or college credit. *Trig (MATH 1022) required if not fulfilled by placement exam or college credit.
- Prerequisites for BIOL 2750/2751: BIOL 1610/1611, 1620/1621, 1630/1631 (C or better), BIOL 2700 (C+ or better); CHEM 1520; biology major GPA ≥2.8.
- BIOL electives must include:
  - Choose one: BIOL 3750 Molecular Biology Project Lab, BIOL 3760 Protein Project Lab, BIOL 3770 Bioinformatics Project Lab
  - Choose one: BIOL 4100 Medical Microbiology, BIOL 4150 Fundamentals of Immunology, BIOL 4700 Molecular Genetics

The Biology Department Office is in Bannan 150 and may be contacted at (206) 296-5490 or biology@seattleu.edu. Website: http://www.seattleu.edu/scieng/biology/

For complete information on courses, pre-requisites, etc., use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.
The example below assumes you have completed no degree requirements. Your personal program of study may vary from this due to prior educational experience or individual goals.
[P] Indicates prerequisite required for course [C] Indicates co-requisite required for course

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
FRESHMAN	[P]BIOL 1610 + [C]1611 Biol I: Molecular and Cellular + Lab	4+1	[P]BIOL 1620 + [C]1621 Biol II: Evolution and Ecology + Lab	4+1	[P]BIOL 1630 + [C]1631 Biol III: Physiology and Dev't + Lab	4+1
	[P]CHEM 1500 + [C]1501 General Chemistry I + Lab	4+1	[P]CHEM 1510 + [C]1511 General Chemistry II + Lab	4+2	[P]CHEM 1520 General Chemistry III	4
	UCOR 1XXX University Core	5	UCOR 1XXX University Core	5	UCOR 1XXX University Core	5
SOPHOMORE	[P]CHEM 2500 + [C]2501 Org Chem Struct and React + Lab	4+2	[P]CHEM 2510 + [C]2511 Org Chem: Functional Gp Interconv + Lab	4+2	[P]BIOL 2750 + [C]2751 Biotechnology + Lab	4+2
	[P]BIOL 2700 Genetics	5	[P]BIOL 2730 Bioinformatics	5	[P]MATH 1210 Statistics for Life Sciences	5
	UCOR 1XXX University Core	5	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5
JUNIOR	[P]BIOL elective	5	[P]BIOL elective	5	[P]BIOL 4750 + [C]4751 Cell Biology + Lab	4+2
	[P]PHYS 1050 + 1051 Mechanics + Lab	4+1	[P]PHYS 1060 + 1061 Waves, Sound, Elect., & Magnetism + Lab	4+1	[P]PHYS 1070 + 1071 Thermo, Optics, & Mod Phys + Lab	4+1
	[P]MATH 1230 Calc for Life Sci (+ [C] MATH 1022 if needed)*	5	UCOR 2XXX University Core	5	UCOR 3XXX University Core	5
SENIOR	[P]BIOL 4991 Senior Synthesis I	2	[P]BIOL 4992 Senior Synthesis II	2	[P]BIOL 4993 Senior Synthesis III	1
	[P]CHEM 3600 Intro to Biochemistry	5	[P]BIOL elective	5	[P]BIOL 4996 Senior Synthesis Seminar	1
	General Elective	5	UCOR 3XXX University Core	5	General Electives	10
	UCOR 3XXX University Core	5				

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS	
UCOR 1100 Academic Writing Seminar	UCOR 2100 Theological Explorations	UCOR 3100 Religion in a Global Context	
UCOR 1200 Quantitative Reasoning **– satisfied in major**	UCOR 2500 Philosophy of the Human Person	UCOR 3400 Humanities & Global Challenges	
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600 Social Sciences & Global Challenges	
UCOR 1400 Inquiry Seminar in the Humanities			
UCOR 1600 Inquiry Seminar in the Social Sciences			
UCOR 1800 Inquiry Seminar Natural Sci. **– satisfied in major**			

SEATTLEU
COLLEGE OF SCIENCE AND ENGINEERING

Science and Engineering Advising Center
206.296.2500, Engineering 300
8:30am – 4:30pm Monday - Friday
http://www.seattleu.edu/scieng/advising/

This is a sample plan that is subject to change.
Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.

Updated 6/14/20