

BIOLOGICAL SCIENCES (Botany, Microbiology, Zoology)

Cuyahoga Community College

First- and Second-Year Plan of Study (Uses MU Course Numbers)

First Year

<i>First Semester</i>	<i>Second Semester</i>
BOT/MBI/ZOO 115 (4) ¹	BOT/MBI/ZOO 116 (4)
CHM 141/144 (3/2)	CHM 142/145 (3/2) ²
ENG 111 (3)	ENG 112 (3)
Foreign Language (3-4)	Foreign Language (3-4)

Second Year

<i>First Semester</i>			<i>Second Semester</i>		
BOT	MBI	ZOO	BOT	MBI	ZOO
BOT 200-level (3-4)	MBI 201 (4)	ZOO 200-level (3-4)	BOT 200-level (3-4)	MBI 202 (4)	ZOO 200-level (3-4)
CHM 241/244 ³ or MPF ⁴ (3)	CHM 241/244 or MPF (3)	CHM 241/244 or MPF (3)	CHM 242/245 or MPF (3)	CHM 242/245 or MPF (3)	CHM 242/245 or MPF (3)
Foreign Language (3)	Foreign Language (3)	Foreign Language (3)	Foreign Language (3)	Foreign Language (3)	Foreign Language (3)
Calculus or Statistics (4-5)	Calculus or Statistics (4-5)	MPF (3-4)	MPF (3-4)	MPF (3-4)	Calculus or Statistics (4-5)

Miami University/Institution Course Equivalencies

<i>Miami University</i>			<i>Cuyahoga Community College</i> ⁵		
BOT/MBI/ZOO 115	Bio Concepts: Ecology, Evolution, Genetics, Div	4	BIO 1510	Principles of Biology II	4
BOT/MBI/ZOO 116	Bio Concepts: Structure, Function, Cell, Mol Bio	4	BIO 1500	Principles of Biology I	4
BOT 191	General Botany	4	No equivalent ⁶		
CHM 141/142 with 144/145	College Chemistry with Lab	5/5	CHEM 1010 or 1300 + 130L CHEM 1310 + 131L	Intro to Inorganic Chem or General Chem I with Lab General Chemistry II with Lab	4 or 4+1 4+1
CHM 241/242 with 244/245	Organic Chemistry with Lab	5/5	CHEM 2300 CHEM 2310	Organic Chemistry I Organic Chemistry II	5 5
CHM 231	Fundamentals of Organic Chemistry	4	No equivalent		
CHM 332	Outlines of Biochemistry	4	No equivalent		
ENG 111, 112	College Composition, Composition & Literature	3	ENG 1010, 1020	College Composition I, II	3, 3
MBI 201, 202	General Microbiology	4/4	No equivalent		
MTH 151	Calculus I	5	MATH 1610	Calculus I	5
STA 261	Statistics	4	MATH 1410, 1420	Elementary Probability & Statistics I, II	3, 3
ZOO 200-level		3	No equivalents		

¹ BOT majors may choose between BOT 115 and 191.

² BOT (Bachelor of Arts): CHM 142/145 are not required, unless you intend to follow a pre-professional track (e.g., pre-med, pre-vet, etc.)

³ BOT (Bachelor of Arts): CHM 241/244 & 242/245 are not required, unless you intend to follow a pre-professional track (e.g., pre-med, pre-vet, etc.). BOT (Bachelor of Science) and MBI: If you do not intend to follow a pre-professional track, you may complete the alternative course sequence - CHM 231 & 332.

⁴ Miami Plan Foundation

⁵ Both Miami University and Cuyahoga Community College courses are semester hours; no re-calculation of hours is necessary for the Miami University transcript.

⁶ Consult MU department for assistance in identifying an equivalent course at your institution.