

BIOLOGICAL SCIENCES (Botany, Microbiology, Zoology)

Cincinnati State Technical & 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>		
BOT	MBI	ZOO
BOT 200-level (3-4)	MBI 201 (4)	ZOO 200-level (3-4)
CHM 241/244 ³ or MPF ⁴ (3-5)	CHM 241/244 or MPF (3-5)	CHM 241/244 or MPF (3-5)
Foreign Language (3)	Foreign Language (3)	Foreign Language (3)
Calculus or Statistics (4-5)	Calculus or Statistics (4-5)	MPF (3-4)

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

Miami University/Institution Course Equivalencies

<i>Miami University</i>			<i>Cincinnati State Technical & Community College⁵</i>		
BOT/MBI/ZOO 115	Bio Concepts: Ecology, Evolution, Genetics, Div	4	BIO 4081/4082/ 4083	Biology I/II/III	3.3/3.3/3.3
BOT/MBI/ZOO 116	Bio Concepts: Structure, Function, Cell, Mol Bio	4			
BOT 191	General Botany	4	No equivalent ⁶		
CHM 141/142 with 144/145	College Chemistry with Lab	5/5	CHE 2251, 2252, 2253	Freshman Chemistry I, II, III	3.3/3.3/3.3
CHM 241/242 with 244/245	Organic Chemistry with Lab	5/5	CHE 2281/2282/2283 with 2284/2285/2286	Organic Chem I, II, III with Co-Req Lab	3.3/3.3/3.3
CHM 231	Fundamentals of Organic Chemistry	4	CHE 2232	Fundamentals of Organic Chemistry	2.6
CHM 332	Outlines of Biochemistry	4	CHE 2233	Fundamentals of Biochemistry	2.6
ENG 111/112	College Composition/Composition & Literature	3	ENG 1001/1002/1003	English Composition 1/2/3	2/2/2
MBI 201/202	General Microbiology	4/4	No equivalent		
MTH 151	Calculus I	5	MAT 1154/1155	Calculus I/II	3.3/3.3
STA 261	Statistics	4	MAT 1111/1112	Statistics 1/2	2/2
ZOO 200-level		3	No equivalent		

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 Hours have been converted from quarter hours (Cincinnati State Technical & Community College) to semester hours (Miami University).

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