

BIOLOGICAL SCIENCES (Botany, Microbiology, Zoology)

Sinclair 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 (3-5)	CHM 241/244 or MPF (3-5)	CHM 241/244 or MPF (3-5)	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)	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>Sinclair Community College⁵</i>		
BOT/MBI/ZOO 115	Bio Concepts: Ecology, Evolution, Genetics, Div	4	BIO 171/172/173 with 177/178/179	Prin of Biology I/II/III with Co-Req Lab	3.3/3.3/3.3
BOT/MBI/ZOO 116	Bio Concepts: Structure, Function, Cell, Mol Bio	4	or BIO 111/112/113 with 117/118/119	or General Biology I/II/III with Co-Req Lab	2.6/2.6/2.6
BOT 191	General Botany	4	No equivalent ⁶		
CHM 141/142 with 144/145	College Chemistry with Lab	5/5	CHE 151/152/153 with 157/158/159	General Chemistry I/II/III with Co-Req Lab	3.3/3.3/3.3
CHM 241/242 with 244/245	Organic Chemistry with Lab	5/5	CHE 201/202/203/ with 207/208/209	Organic Chemistry I/II/III with Co-Req Lab	3.3/3.3/3.3
CHM 231	Fundamentals of Organic Chemistry	4	CHE 121 with 127	Intro to Organic Chemistry with Co-Req Lab	2.6
CHM 332	Outlines of Biochemistry	4	No equivalent		
ENG 111/112	College Composition/Composition & Literature	3	ENG 111/112/113	English Composition I/II/III	2/2/2
MBI 201/202	General Microbiology	4/4	No equivalent		
MTH 151	Calculus I	5	MAT 201/202	Calculus & Analytic Geometry I/II	3.3/3.3
STA 261	Statistics	4	MAT 122	Statistics I	2.6
ZOO 209	Fundamentals of Ecology	3	BIO 225 with 226	Ecology with Co-Req Lab	2.6
ZOO 206	Evolutionary Biology	3	BIO 222	Evolution	2
ZOO 342	Genetics	3	BIO 235/236	Genetics	3.3

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 (Sinclair Community College) to semester hours (Miami University).

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