

Date Modified:	6.30.20
MSU Transfer Advisor:	Angela Plank AngelaPlank@MissouriState.edu 417-836-6851

OZARKS TECHNICAL COMMUNITY COLLEGE

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

OTC Associate of Science in Biology to

MSU Bachelor of Science in Biology - Wildlife Biology Track

Catalog Year: 2020-2021

The following is a guide to graduation with completion of OTC's Associate of Science in Biology and MSU's Bachelor of Science in Biology - Wildlife Biology degree.
The B.S. Biology degree may be completed on campus only.

OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Mathematical Sciences 5 hours required for the A.S. in Biology	Choose one:		5	MTH 138 MTH 261	✓	✓
	MTH 138 MTH 140	Pre-Calculus Mathematics Analytic Geometry and Calculus I				
Written Communications 6 credit hours	Choose one:		3-5	ENG 110	✓	
	ENG 100 ENG 101	Composition I with Support Composition I				
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	BIO 160	General Biology I	4	BIO 121	✓	✓
Social/Behavioral Sciences 9 credit hour (Must fulfill 2 disciplines)	CRM 210	Introduction to Criminal Justice	3	CRM 210	✓	✓
Semester 1 Total			15-17			

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	BIO 170	General Biology II	4	BIO 122		✓
Written Communications 6 credit hours	Choose one:		3	ENG 210 ENG 221	✓	
	ENG 102 ENG 150	Composition II Technical Writing				
Oral Communications 3 credit hours	Choose one:		3	Varies	✓	
	COM 100	COM 105 COM 200				
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	CHM 160 and CHM 161	General Chemistry and Lab	5	CHM 160 and CHM 161	✓	✓
Semester 2 Total			15			

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	Choose one:		4-5	PHY 123 PHY 203		✓
	PHY 120 PHY 220	General Physics I Physics Engrs & Scientists I				
Social/Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓	
	ANT 101 ANT 220	COM 150 CRM 210 ECO 270 ECO 275 GRY 101 HST 105 HST 106 HST 120 HST 130 PLS 101 PLS 201 PSY 130 PSY 110 SOC 210 SOC 101				
Program Specific Course	BIO 250	Genetics	4	BIO 235 and BIO 236		✓
Program Specific Course	CHM 200	Survey of Organic Chemistry	5	CHM 201 and CHM 202		✓
Semester 3 Total			16-17			

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT								
Program Specific Course	Choose one:		4-5	PHY 124 PHY 204		✓								
	PHY 130 PHY 222	General Physics II Physics Engrs & Scientists II												
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓									
	ART 100	ASL 101 ASL 102 ART 105 ART 120▲					ENG 260 ENG 265 ENG 340 ENG 341	ENG 350 ENG 351 FRN 101 FRN 102	GRM 101 GRM 102 MUS 101 MUS 105	MUS 106 MUS 110 MUS 235*▲ PHL 101	PHL 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101		
	Institutional Elective 9 hours required for A.S. in Biology	PHY 110					Introduction to Geology				4	GLG 110	✓	
	Social/Behavioral Sciences 9 credit hours required for Core 42 & Institutional Elective 9 hours required for A.S. in Biology	Choose one:					3	HST 121 HST 122 PLS 101	✓					
HST 120 HST 130 PLS 101		U.S. History I: to 1865 U.S. History II: 1865-Present American Government and Politics												
Humanities and Fine Arts 9 credit hours required for Core 42 (Must fulfill 2 disciplines) & Institutional Elective 9 hours required for A.S. in Biology	Choose one:		3	Varies	✓									
	ART 100	ASL 101 ASL 102 ART 105 ART 120▲					ENG 260 ENG 265 ENG 340 ENG 341	ENG 350 ENG 351 FRN 101 FRN 102	GRM 101 GRM 102 MUS 101 MUS 105	MUS 106 MUS 110 MUS 235*▲ PHL 101	PHL 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101		
	Semester 4 Total						17-18							
	Total Hours at OTC						63-67			Total Hours Applied Toward MSU Major Requirements: 41				

* One credit hour course

▲ May choose only one, falls under MOTR code 'PERF'



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MSU Bachelor of Science in Biology - Wildlife Biology Track
after OTC Associate of Science in Biology

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	BIO 302	Biology Seminar	1
Major Requirement/ Wildlife Biology	Choose one:		4
	BIO 320 BIO 361	Introduction to Cellular Biology General Physiology	
Major Requirement	BIO 367 ○ and BIO 368	General Ecology and Lab	4
Major Requirement/ Management	Choose minimum of 5 hours total from the following:		1-4
	BIO 373 ○ BIO 485 ○	BIO 509 ○ BIO 532	
		BIO 533 BIO 562	
		BIO 589 ○	
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Semester 1 Total			16-19

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement/ Ecology and Evolution	Choose one:		3-4
	BIO 436 BIO 515	BIO 539 ○ BIO 563	
		BIO 567 BIO 578 ○	
		BIO 579 ○ BIO 584 ○	
Major Requirement/ Animal Biology	Choose one:		2-5
	BIO 370 ○ BIO 371	BIO 360 BIO 571	
		BIO 573 ○ BIO 574 ○	
		BIO 575 ○ BIO 576 ○	
		BIO 577 ○	
Major Requirement/ Plant Biology	Choose one:		2-4
	BIO 334	BIO 339	
		BIO 530	
		BIO 544	
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one:		3
	ARB 101 ARB 102 ART 115▲ ART 200 ART 212	ART 271 ART 272 CHI 101 CSD 330 CSD 331	
	ENG 200▲ ENG 205▲ ENG 215▲ ENG 282	ENG 289 ENG 340 ENG 341 ENG 350 ENG 351	
	FRN 101 FRN 102 JPN 101 JPN 102 KOR 101	FRN 101 FRN 102 JPN 101 JPN 102 KOR 101	
	ITL 101 ITL 102 MED 274 MUS 100 MUS 162*▲	ITL 101 ITL 102 MED 274 MUS 100 MUS 162*▲	
	KOR 102 LLT 121 MUS 175▲ MUS 176*▲ MUS 239 MUS 241	KOR 102 LLT 121 MUS 175▲ MUS 176*▲ MUS 239 MUS 241	
	MUS 345 MUS 346 MUS 347 PHI 105 PHI 110	MUS 345 MUS 346 MUS 347 PHI 105 PHI 110	
	PHI 115 PTG 101 PTG 102 REL 100 REL 101	PHI 115 PTG 101 PTG 102 REL 100 REL 101	
	REL 102 REL 210 RUS 101 RUS 102 SPN 101	REL 102 REL 210 RUS 101 RUS 102 SPN 101	
	SPN 102 THE 101	SPN 102 THE 101	
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Semester 2 Total			13-19

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement/ Animal Biology	Choose one:		2-5
	BIO 370 ○ BIO 371	BIO 360 BIO 571	
		BIO 573 ○ BIO 574 ○	
		BIO 575 ○ BIO 576 ○	
		BIO 577 ○	
Major Requirement/ Plant Biology	Choose one:		2-4
	BIO 334	BIO 339	
		BIO 530	
		BIO 544	
Major Requirement	BIO 550	Statistical Methods for Biologists	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Major Requirement/ Animal Biology	Choose one:		2-5
	BIO 370 ○ BIO 371	BIO 360 BIO 571	
		BIO 573 ○ BIO 574 ○	
		BIO 575 ○ BIO 576 ○	
		BIO 577 ○	
Semester 3 Total			12-20

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	BIO 492	Biology Program Assessment	0
Major Requirement/ Ecology and Evolution	Choose one:		3-4
	BIO 436 BIO 515	BIO 539 ○ BIO 563	
		BIO 567 BIO 578 ○	
		BIO 579 ○ BIO 584 ○	
Major Requirement/ Management	Choose minimum of 5 hours total from the following:		1-4
	BIO 373 ○ BIO 485 ○	BIO 509 ○ BIO 532	
		BIO 533 BIO 562	
		BIO 589 ○	
Public Affairs Capstone Experience	Choose one if not fulfilled in Option Requirements, otherwise choose a general elective course:		3
	BIO 300 BIO 355 BIO 367 BIO 370 BIO 373	BIO 398 BIO 399 BIO 485 BIO 498 BIO 499	
		BIO 501 BIO 505 BIO 508 BIO 509 BIO 511	
		BIO 512 BIO 520 BIO 527 BIO 539 BIO 547	
		BIO 561 BIO 573 BIO 574 BIO 575 BIO 576	
		BIO 577 BIO 578 BIO 579 BIO 584 BIO 589	
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Semester 4 Total			16-20
Total Hours at MSU			57-78
Total Hours Overall			120-145

** Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

○ Fulfills Public Affairs Capstone Experience

* One credit hour course

▲ May choose only one, falls under MOTR code 'PERF'

This degree is also available as a Bachelor of Arts (BA).
[Click here to access the Bachelor of Arts Degree Requirements](#)
Please consult an MSU transfer advisor to determine your best degree options.

This information is provided as a guide only.

- OTC students are strongly encouraged to meet with their major specific MSU transfer advisor early in their OTC education to discuss the most appropriate OTC coursework for their intended MSU major, MSU degree requirements, etc.
- Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as well as periodicity limitations that could affect scheduling sequences.
- Please note that transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred (e.g., OTC).