

Date Modified:	5.10.22
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# OZARKS TECHNICAL COMMUNITY COLLEGE

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

Catalog Year: 2022-2023



## OTC Associate of Science in Biology to MSU Bachelor of Science in Biology - Wildlife and Fisheries Biology Option

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  
The B.S. degree may be completed on campus or online.  
*This is a comprehensive major meaning it does not require completion of a minor.*

### OTC Year 1 Semester 1

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

### OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
<b>Program Specific Course</b>	BIO 170	General Biology II	4	BIO 122		✓
<b>Oral Communications</b> 3 credit hours	<b>Choose one:</b>		3	Varies	✓	
	COM 100	COM 105 COM 200				
<b>Natural Sciences</b> 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	CHM 160 and CHM 161	General Chemistry I and Lab	5	CHM 160 and CHM 161	✓	✓
<b>Institutional Elective</b> 9 hours required for A.S. in Biology	Any course numbered 100 and above - your choice.		3	Varies	✓	✓
<b>Semester 2 Total</b>			<b>15</b>			

### OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
<b>Social/Behavioral Sciences</b> 6 credit hours required for A.S. in Biology 9 credit hours required for Core 42	<b>Choose one:</b>		3	Varies	✓	
	PLS 101	HST 120 HST 130				
<b>Program Specific Course</b>	PHY 120	General Physics I	4	PHY 123		✓
<b>Institutional Elective</b> 9 hours required for A.S. in Biology	Any course numbered 100 and above - your choice.		3	Varies		
<b>Program Specific Course</b>	BIO 250	Genetics	4	BIO 235 and BIO 236		✓
<b>Semester 3 Total</b>			<b>14</b>			

### OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
<b>Recommended Institutional Elective</b> 9 hours required for A.S. in Biology	PHY 110	Introduction to Geology	3	Varies	✓	✓						
<b>Program Specific Course</b>	CHM 170 and CHM 171	General Chemistry II and Lab	5	CHM 170 and CHM 171								
	<b>Choose one:</b>		3	ENG 210 ENG 221	✓							
<b>Written Communications</b> 6 credit hours	ENG 102 ENG 150	Composition II Technical Writing										
<b>Program Specific Course</b>	PHY 130	General Physics II	4	PHY 124		✓						
<b>Humanities and Fine Arts</b> 9 credit hours required for Core 42 (Must fulfill 2 disciplines)	<b>Choose one:</b>		3	Varies	✓							
	ART 100	ASL 101					ENG 240	ENG 270	GRM 101	MUS 105	PHL 101	REL 102
	ART 101	ASL 102					ENG 241	ENG 271	GRM 102	MUS 106	PHL 105	SPN 101
	ART 105	CHN 101					ENG 260	FRN 101	HUM 101	MUS 110	REL 100	SPN 102
	ART 120▲	ENG 180	ENG 265	FRN 102	MUS 101	MUS 235*▲	REL 101	THR 101				
<b>Semester 4 Total</b>			<b>18</b>									
<b>Total Hours at OTC</b>			<b>62-64</b>	<i>Total Hours Applied Toward MSU Major/Minor Requirements:</i>		39						

\* One credit hour course

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

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**MSU Bachelor of Science in Biology - Wildlife and Fisheries Biology Option  
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	<b>Choose one:</b> BIO 320 Introduction to Cellular Biology BIO 361 General Physiology	4
Major Requirement/ Wildlife Biology	BIO 367 ○ and BIO 368 General Ecology and Lab	4
Major Requirement/ Management	<b>Choose minimum of 5 hours total from the following:</b> BIO 373 ○ BIO 509 ○ BIO 589 ○ BIO 485 ○ BIO 532 BIO 562	3-4
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	3
<b>Semester 1 Total</b>		<b>15-16</b>

**MSU Year 3 Semester 2**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement/ Ecology and Evolution	<b>Choose one:</b> BIO 436 BIO 515 BIO 563 BIO 578 ○ BIO 584 ○ BIO 504 BIO 539 ○ BIO 567 BIO 579 ○	3-4
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○ BIO 380 BIO 573 ○ BIO 575 ○ BIO 577 ○ BIO 371 BIO 571 BIO 574 ○ BIO 576 ○	2-5
Major Requirement/ Plant Biology	<b>Choose one:</b> BIO 334 BIO 339 BIO 530 BIO 544	2-4
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	<b>Choose one:</b> ARB 101 ART 271 ENG 200 ENG 289 ENG 362 ITL 101 KOR 102 MUS 175▲ MUS 345 PHI 115 REL 102 SPN 102 ARB 102 ART 272 ENG 203▲ ENG 340 FRN 101 ITL 102 LLT 121 MUS 176*▲ MUS 346 PTG 101 REL 210 THE 101 ART 115▲ CHI 101 ENG 205▲ ENG 341 FRN 102 JPN 101 MED 274 MUS 178*▲ MUS 347 PTG 102 RUS 101 ART 200 CSD 330 ENG 215▲ ENG 350 GRM 101 JPN 102 MUS 100 MUS 239 PHI 105 REL 100 RUS 102 ART 212 CSD 331 ENG 282 ENG 351 GRM 102 KOR 101 MUS 162*▲ MUS 241 PHI 110 REL 101 SPN 101	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	4
<b>Semester 2 Total</b>		<b>14-20</b>

**MSU Year 4 Semester 3**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○ BIO 380 BIO 573 ○ BIO 575 ○ BIO 577 ○ BIO 371 BIO 571 BIO 574 ○ BIO 576 ○	2-5
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○ BIO 380 BIO 573 ○ BIO 575 ○ BIO 577 ○ BIO 371 BIO 571 BIO 574 ○ BIO 576 ○	2-5
Major Requirement/ Plant Biology	<b>Choose one:</b> BIO 334 BIO 339 BIO 530 BIO 544	2-4
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.	5
<b>Semester 3 Total</b>		<b>14-22</b>

**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	<b>Choose one:</b> BIO 436 BIO 515 BIO 563 BIO 578 ○ BIO 584 ○ BIO 504 BIO 539 ○ BIO 567 BIO 579 ○	3-4
Major Requirement/ Management	<b>Choose minimum of 5 hours total from the following:</b> BIO 373 ○ BIO 509 ○ BIO 589 ○ BIO 485 ○ BIO 532 BIO 562	1-4
Public Affairs Capstone Experience	<b>Choose one if not fulfilled in Option Requirements, otherwise choose a general elective course:</b> BIO 300 BIO 398 BIO 501 BIO 512 BIO 561 BIO 577 BIO 355 BIO 399 BIO 505 BIO 520 BIO 573 BIO 578 BIO 367 BIO 485 BIO 508 BIO 527 BIO 574 BIO 579 BIO 370 BIO 498 BIO 509 BIO 539 BIO 575 BIO 584 BIO 373 BIO 499 BIO 511 BIO 547 BIO 576 BIO 589	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	8
<b>Semester 4 Total</b>		<b>15-19</b>
<b>Total Hours at MSU</b>		<b>58-77</b>
<b>Total Hours Overall</b>		<b>120-141</b>

\*\* 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 with 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). Some course substitutions for OTC classes may be needed.