

Date Modified:	11.5.19
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# 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: 2019-2020

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
<b>Mathematical Sciences</b> 5 hours required for the A.S. in Biology	<b>Choose one:</b>		5	MTH 138 MTH 261	✓	✓
	MTH 138 MTH 140	Pre-Calculus Mathematics Analytic Geometry and Calculus I				
<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> 9 credit hour (Must fulfill 2 disciplines)	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>Written Communications</b> 6 credit hours	<b>Choose one:</b>		3	ENG 210 ENG 221	✓	
	ENG 102 ENG 150	Composition II Technical Writing				
<b>Oral Communications</b> 3 credit hours	<b>Choose one:</b>		3	GEC 103 COM 115 COM 205	✓	
	COM 100 COM 105 COM 200	Introduction to Communication Public Speaking Interpersonal Communication				
<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 and Lab	5	CHM 160 and CHM 161	✓	✓
<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>Program Specific Course</b>	<b>Choose one:</b>		4-5	PHY 123 PHY 203		✓					
	PHY 120 PHY 220	General Physics I Physics Engrs & Scientists I									
<b>Social/Behavioral Sciences</b> 9 credit hours (Must fulfill 2 disciplines)	ANT 101 ANT 220	ECO 270 ECO 275	GRY 101 HST 105	HST 106 HST 120	HST 130 PLS 101	PLS 201 PSY 110	PSY 130 SOC 101	3	Varies	✓	
<b>Program Specific Course</b>	BIO 250	Genetics	4	BIO 235 and BIO 236		✓					
<b>Program Specific Course</b>	CHM 200	Survey of Organic Chemistry	5	CHM 201 and CHM 202		✓					
<b>Semester 3 Total</b>			<b>16-17</b>								

#### OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
<b>Program Specific Course</b>	<b>Choose one:</b>		4-5	PHY 124 PHY 204		✓						
	PHY 130 PHY 222	General Physics II Physics Engrs & Scientists II										
<b>Humanities and Fine Arts</b> 9 credit hours (Must fulfill 2 disciplines)	ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHI 101 ENG 180	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 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101	3	Varies	✓	
<b>Institutional Elective</b> 9 hours required for A.S. in Biology	PHY 110	Introduction to Geology	4	GLG 110		✓						
<b>Social/Behavioral Sciences</b> 9 credit hours required for Core 42 & <b>Institutional Elective</b> 9 hours required for A.S. in Biology	<b>Choose one:</b>		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										
<b>Humanities and Fine Arts</b> 9 credit hours required for Core 42 (Must fulfill 2 disciplines) & <b>Institutional Elective</b> 9 hours required for A.S. in Biology	<b>Choose one:</b>		3	Varies	✓							
	ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHI 101 ENG 180					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 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101
<b>Semester 4 Total</b>			<b>17-18</b>									
<b>Total Hours at OTC</b>			<b>63-67</b>	<i>Total Hours Applied Toward MSU Major Requirements:</i>		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

**Catalog Year: 2019-2020**

**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 BIO 361	Introduction to Cellular Biology General Physiology	4
Major Requirement	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 533                      BIO 589 ○ BIO 485 ○                      BIO 532                      BIO 562		1-4
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
<b>Semester 1 Total</b>			<b>16-19</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 539 ○                      BIO 567                      BIO 579 ○ BIO 515                      BIO 563                      BIO 578 ○                      BIO 584 ○		3-4
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○                      BIO 360                      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 272    ENG 203    ENG 340    FRN 101    ITL 102    LLT 121    MUS 176*    MUS 346    PTG 101    REL 210    THE 101 ARB 102    CHI 101    ENG 205    ENG 341    FRN 102    JPN 101    MED 274    MUS 178*    MUS 347    PTG 102    RUS 101    ART 212 ART 115    CSD 330    ENG 215    ENG 350    GRM 101    JPN 102    MUS 100    MUS 239    PHI 105    REL 100    RUS 102 ART 200    CSD 331    ENG 282    ENG 351    GRM 102    KOR 101    MUS 162*    MUS 241    PHI 110    REL 101    SPN 101 ART 271    ENG 200    ENG 289    ENG 362    ITL 101    KOR 102    MUS 175*    MUS 345    PHI 115    REL 102    SPN 102		3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
<b>Semester 2 Total</b>			<b>13-19</b>

\* One credit hour course

**MSU Year 4 Semester 3**

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○                      BIO 360                      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.		3
Major Requirement/ Animal Biology	<b>Choose one:</b> BIO 370 ○                      BIO 360                      BIO 573 ○                      BIO 575 ○                      BIO 577 ○ BIO 371                      BIO 571                      BIO 574 ○                      BIO 576 ○		2-5
<b>Semester 3 Total</b>			<b>12-20</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 539 ○                      BIO 567                      BIO 579 ○ BIO 515                      BIO 563                      BIO 578 ○                      BIO 584 ○		3-4
Major Requirement/ Management	<b>Choose minimum of 5 hours total from the following:</b> BIO 373 ○                      BIO 509 ○                      BIO 533                      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.		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
<b>Semester 4 Total</b>			<b>16-20</b>
<b>Total Hours at MSU</b>			<b>57-78</b>
<b>Total Hours Overall</b>			<b>120-145</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

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.**

**Notes about this major:** Must obtain a 2.0 in major fields

**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).

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