Date Modified: 5.13.21 Angela Plank AngelaPlank@MissouriState.edu 417-836-6851 MSU Transfer Advisor:

OZARKS TECHNICAL COMMUNITY COLLEGE

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

Catalog Year: 2021-2022



OTC Associate of Science in Biology to MSU Bachelor of Science in Biology with Chemistry Minor

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 degree. The B.S. in Biology may be completed on campus only.

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CRED HOUF		MEETS CORE 42	MSU MAJOR REQUIREMENT
Mathematical Sciences 5 hours required for the A.S. in Biology	MTH 138	Pre-Calculus Mathematics	5	MTH 138	✓	
	Choose one:					
Written Communications 6 credit hours	ENG 100 ENG 101	Composition I with Support Composition I	3-5	ENG 110	~	
Natural Sciences 7 credit hours	BIO 160	General Biology I	5	BIO 121	1	~
(Must fulfill 2 disciplines including one course with a lab component)						
Social/Behavioral Sciences 9 credit hours	PSY 110	Introduction to Psychology	3	PSY 121	~	
(Must fulfill 2 disciplines)						
			Semester 1 Total 16-1	B		

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		5	BIO 122		~
Oral Communications 3 credit hours	Choose one: COM 100	СОМ 105	COM 200	3	Varies	✓	
Natural Sciences 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	✓	~
Elective (to total 62 hours)	Any course numbered 10) and above - your choice.		1	Varies		
1			Somester 2 Total	14			

OTC Year 2 Semester 3						
REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Social/Behavioral Sciences 9 credit hours required for Core 42 & Institutional Elective 9 hours required for A.S. in Biology	Choose one: PLS 101	HST 120 HST 130	3	Varies	✓	
Program Specific Course	PHY 120	General Physics I	4	PHY 123		~
Recommended Institutional Elective 9 hours required for A.S. in Biology	MTH 140	Analytic Geometry and Calculus I	5	MTH 261		1
Program Specific Course	BIO 250	Genetics	5	BIO 235 and BIO 236		1
		Semester 3 Total	17			

OTC Year 2 Semester 4												
REQUIREMENT DESCRIPTION	OTC COURSE ID	1	ITLE						CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	CHM 170 and CHM 171	c	General Chemistry II and Lab						5	CHM 170 and CHM 171		✓
Written Communications 6 credit hours	Choose one: ENG 102 ENG 150		Composition II Technical Writing					3	ENG 210 ENG 221	~		
Program Specific Course	PHY 130	C	General Physics	Ш					4	PHY 124		✓
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one: ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHN 101 ENG 180	ENG 240 ENG 241 ENG 260 ENG 265	ENG 270 ENG 271 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	3	Varies	✓	
							;	Semester 4 Total Total Hours at OTC	_		s Applied Toward or Requirements:	38

* One credit hour course

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

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ssouri State UNIVERSITY

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MSU Bachelor of Science in Biology with Chemistry Minor after OTC Associate of Science in Biology

Catalog Year: 2020-2021

MSU Year 3 Semester 1		after one Associate of Science in Biology	
REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Elective	BMS 307	Human Anatomy	4
Major Requirement	CHM 342	Organic Chemistry I	5
	Choose one:		
Major Requirement	BIO 320 OR	Introduction to Cellular Biology	4-5
	BIO 312 and 313	Microbiology with Lab	
Major Requirement	BIO 302 🔾	Biology Seminar	1
		Semester 1 Total	14-15

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE					CREDIT HOURS
Major Elective	BMS 308	Human Physiology	/				4
Major Elective	CHM 343 and CHM 345	Organic Chemistry and Microscale Organi	/ II c Chemistry Laboratory				5
	Choose one:						
Social/Behavioral Sciences 9 credit hours	ANT 100 ANT 125	COM 260 CRM 210	ECO 165 GRY 100	HST 121 HST 122	PLS 101 PLS 205	SOC 150 SOC 152	3
(Must fulfill 2 disciplines)	ANT 303 CFD 155	ECO 101 ECO 155	HST 103 HST 104	MED 120 PLN 100	PLS 232 PSY 121		
General Elective **	Work with your MSU	advisor to identify cours	es that will complement yo	ur specific career goals.			3
						Semester 2 Total	15

MSU Year 4 Semester 3			CREDIT
REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	HOURS
	Choose one:		
Humanities and Fine Arts 9 credit hours Must fulfill 2 disciplines)	ARB 101 ART 27 ARB 102 ART 27 ART 115▲ CHI 10 ART 200 CSD 33 ART 212 CSD 33	ENG 203▲ ENG 340 FRN 101 ITL 102 LLT 121 MUS 176*▲ MUS 346 PTG 101 REL 210 THE 101 ENG 205▲ ENG 341 FRN 102 JPN 101 MED 274 MUS 178*▲ MUS 347 PTG 102 RUS 101 ENG 215▲ ENG 350 GRM 101 JPN 102 MUS 100 MUS 239 PHI 105 REL 100 RUS 102	3
Major Requirement	BIO 367 and BIO 368	General Ecology and Lab	4
Major Requirement	CHM 352	Introduction to Biochemistry	5
General Elective **	Work with your MSU ac	visor to identify courses that will complement your specific career goals.	3
	1	Semester 3 Total	15

REQUIREMENT DESCRIPTION	MSU COURSE	ID	TITLE										CREDIT HOURS
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.								2				
General Elective **	Work with yo	ur MSU advis	or to identify co	ourses that v	vill complemer	it your speci	fic career goals.						3
	Choose one												
Humanities and Fine Arts 9 credit hours Must fulfill 2 disciplines)	ARB 101 ARB 102 ART 115▲ ART 200 ART 212	ART 271 ART 272 CHI 101 CSD 330 CSD 331	ENG 200 ENG 203▲ ENG 205▲ ENG 215▲ ENG 282	ENG 289 ENG 340 ENG 341 ENG 350 ENG 351	ENG 362 FRN 101 FRN 102 GRM 101 GRM 102	ITL 101 ITL 102 JPN 101 JPN 102 KOR 101	KOR 102 LLT 121 MED 274 MUS 100 MUS 162*▲	MUS 175▲ MUS 176★▲ MUS 178★▲ MUS 239 MUS 241	MUS 345 MUS 346 MUS 347 PHI 105 PHI 110	PHI 115 PTG 101 PTG 102 REL 100 REL 101	REL 102 REL 210 RUS 101 RUS 102 SPN 101	SPN 102 THE 101	3
Aajor Requirement	BIO 550		Statistical Met	nods for Bio	logists								3
Public Affairs Capstone Experience	Choose one 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 BIO BIO BIO BIO	573 574 575		BIO 577 BIO 578 BIO 579 BIO 584 BIO 589		3
lajor Requirement	BIO 492 🔾		Biology Assess	ment									0
	1		1									mester 4 Total	14
												<i>Hours at MSU</i> Hours Overall	58-59 120-123

** Electives provide the opportunity to customize [2]our 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. O 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).