

Date Modified:	10.6.21
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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: 2021-2022



OTC Associate of Arts to MSU Bachelor of Science in Exercise and Movement Science - Pre-Professional

The following is a guide to graduation with completion of an A.A. at OTC and MSU's Bachelor of Science in Exercise and Movement Science degree.
The B.S. in Exercise and Movement Science degree may be completed on campus only.
The Exercise and Movement Science degree 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
Institutional Requirement	OTC 101	Navigating College	2	GEP 101		
Mathematical Sciences 3 credit hours	Choose one ○:		5	MTH 138 MTH 261	✓	✓
	MTH 138 MTH 140	Pre-Calculus Mathematics Analytic Geometry and Calculus I				
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	Choose one:		4	BIO 101/111 BIO 121	✓	✓
	BIO 100 □ BIO 160 ◇	Life Science General Biology I				
Written Communications 6 credit hours	Choose one:		3-5	ENG 110	✓	
	ENG 100 ENG 101	Composition I with Support Composition I				
Social/Behavioral Sciences 9 credit hours	PSY 110	Introduction to Psychology	3	PSY 121	✓	✓
Semester 1 Total			17-19			

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓							
	ART 100	ASL 101					ENG 260	ENG 270	GRM 101	MUS 106	PHL 105	SPN 101
	ART 101	ASL 102					ENG 265	ENG 271	GRM 102	MUS 110	REL 100	SPN 102
	ART 105	CHN 101					ENG 240	FRN 101	MUS 101	MUS 235*▲	REL 101	THR 101
	ART 120▲	ENG 180	ENG 241	FRN 102	MUS 105	PHL 101	REL 102					
Oral Communications 3 credit hours	COM 105 ○	Public Speaking	3	COM 115	✓	✓						
Written Communications 6 credit hours	Choose one:		3	ENG 210 ENG 221	✓							
	ENG 102 ENG 150	Composition II Technical Writing										
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	PHY 120 ○	General Physics I	4	PHY 123	✓	✓						
Semester 2 Total			13									

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓							
	ART 100	ASL 101					ENG 260	ENG 270	GRM 101	MUS 106	PHL 105	SPN 101
	ART 101	ASL 102					ENG 265	ENG 271	GRM 102	MUS 110	REL 100	SPN 102
	ART 105	CHN 101					ENG 240	FRN 101	MUS 101	MUS 235*▲	REL 101	THR 101
	ART 120▲	ENG 180	ENG 241	FRN 102	MUS 105	PHL 101	REL 102					
Social/Behavioral Sciences 9 credit hours <i>Civics Requirement</i>	Choose one:		3	Varies	✓							
	PLS 101	HST 120					HST 130					
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓							
	ART 100	ASL 101					ENG 260	ENG 270	GRM 101	MUS 106	PHL 105	SPN 101
	ART 101	ASL 102					ENG 265	ENG 271	GRM 102	MUS 110	REL 100	SPN 102
	ART 105	CHN 101					ENG 240	FRN 101	MUS 101	MUS 235*▲	REL 101	THR 101
	ART 120▲	ENG 180	ENG 241	FRN 102	MUS 105	PHL 101	REL 102					
Institutional Elective	CHM 160/161 ○	General Chemistry I/General Chemistry I Lab	5	CHM160/161	✓	✓						
Institutional Elective	Choose one:		4	PHY 124 BIO 235/236		✓						
	PHY 130 (PT plan) BIO 250 ○ (OT plan)	General Physics II Genetics										
Semester 2 Total			18									

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT		
Institutional Elective	Choose one:		4-5	BIO 122 BIO 210		✓		
	BIO 170 (PT Plan) BIO 292 ○ (PA Plan)	General Biology II General Microbiology						
Institutional Elective	CHM 170/171 ○	General Chemistry II/General Chemistry II Lab	5	CHM 170/171		✓		
Core Elective	MTH 210	Statistical Methods	3	QBA 237	✓	✓		
Social/Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓			
	ANT 101	COM 150					ECO 270	GRY 101
	ANT 220	CRM 210	ECO 275	HST 105	HST 120	PLS 101	PSY 110	SOC 101
Semester 3 Total			15-16					
Total Hours at OTC			63-66	<i>Total Hours Applied Toward MSU Major Requirements:</i>		40-41		

* One credit hour course

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

○ Must earn a "C" or better

◇ Students preparing for Physical Therapy (PT), Occupational Therapy (OT) or Physician Assistant (PA) should choose BIO 160

□ BIO 100 will not meet the eligibility requirements for BMS 307. Students selecting the pre-professional option should meet with the MSU transfer advisor as soon as possible to determine most appropriate course selection. A combined (Missouri State and transfer) GPA of 2.50 or higher and a grade of "C" or better in all KIN courses is required.

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**MSU Bachelor of Science in Exercise and Movement Science - Pre-Professional
after Associate of Arts at OTC**

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	KIN 210	Healthy Lifestyles: Preventative Approaches	3
Major Requirement	KIN 212	Introduction to Exercise Science	1
Major Requirement	KIN 350	Health and Wellness Promotion	3
Major Requirement	BMS 307	Human Anatomy	4
Major Requirement	DTN 240	Nutrition	3
Semester 1 Total			14

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	Choose one: ATC 222 KIN 253	Athletic Injuries First Aid	2
Major Requirement	KIN 360	Kinesiology	4
Major Requirement	BMS 308	Human Physiology	4
Major Requirement	KIN 361	Principles of Motor Learning in Physical Education	2
Major Requirement	PSY 304	Abnormal Psychology	3
Semester 2 Total			15

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	Choose one: CHM 201/202 CHM 342	Essentials of Organic Chemistry & Essentials of Organic Chemistry Lab Organic Chemistry I	3-5
Major Requirement	KIN 362	Exercise Physiology	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
Semester 3 Total			13-15

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	Choose one: CHM 345 (If CHM 342 taken in semester 3) General Elective	Microscale Organic Chemistry Laboratory OR Work with your MSU advisor to identify courses that will complement your specific career goals	2-3
Major Requirement	KIN 465	Exercise Prescription: Strength and Conditioning	2
Major Requirement	KIN 468	Adapted Physical Education	4
Major Requirement	KIN 569	Health Appraisal/Exercise Test	4
Major Requirement	Choose one: KIN 500 KIN 491	Seminar in Physical Education Field Experience	3-12
Semester 4 Total			15-25
Total Hours at MSU			57-69
Total Hours Overall			120-135

Students preparing for possible selection into a physician assistant program should take both CHM 170/171 and both CHM 352/353. Students preparing for clinical science should take BMS 307 and BMS 308 for the anatomy and physiology requirement.

** 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.

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).