# Ozarks Technical Community College

OTC Associate of Arts in General Studies 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. This is a comprehensive major meaning it does not require completion of a minor. Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met. Catalog Year: 2022-2023. Date Modified: 4.21.22.

MSU Transfer Advisor: Zach Burt, [ZacharyBurt@MissouriState.edu](mailto:ZacharyBurt@MissouriState.edu), 417-836-8481

Finish in 4 Go Bears Missouri State University

### OTC Year 1 Semester 1

Institutional Requirement

* OTC Course ID/Title: OTC 101 Navigating College
* Credit Hours: 2
* MSU Equivalent: GEP 101
* Meets Core 42: No
* MSU Major Requirement: No

Mathematical Sciences - 3 credit hours

* OTC Course ID/Title: Choose one: MTH 138 Pre-Calculus Mathematics, MTH 140 Analytic Geometry and Calculus I
* Credit Hours: 5
* MSU Equivalent: MTH 138, MTH 261
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: Choose one: BIO 100❑ Life Science, BIO 160⯎ General Biology 1
* Credit Hours: 4
* MSU Equivalent: BIO 101/111, BIO 121
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 100 Composition 1 with support, ENG 101 Composition
* Credit Hours: 3-5
* MSU Equivalent: ENG 110
* Meets Core 42: Yes
* MSU Major Requirement: No

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: PSY 110 Introduction to Psychology
* Credit Hours: 3
* MSU Equivalent: PSY 121
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 1 Total = 17-19 credit hours

### OTC Year 1 Semester 2

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Oral Communications – 3 credit hours

* OTC Course ID/Title: COM 105🔾 Public Speaking
* Credit Hours: 3
* MSU Equivalent: COM 115
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 102 Composition 2, ENG 150 Technical Writing
* Credit Hours: 3
* MSU Equivalent: ENG 210, ENG 221
* Meets Core 42: Yes
* MSU Major Requirement: No

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: PLS 101, HST 120, HST 130
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: PHY 120 🔾 General Physics 1
* Credit Hours: 4
* MSU Equivalent: PHY 123
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 2 Total = 16 credit hours

### OTC Year 2 Semester 3

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Institutional Elective

* OTC Course ID/Title: CHM 160/161🔾 General Chemistry 1/General Chemistry 1 Lab
* Credit Hours: 5
* MSU Equivalent: CHM 160/161
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Institutional Elective

* OTC Course ID/Title: Choose one: PHY 130 (PT plan) General Physics 2, BIO 250🔾 (OT plan) Genetics
* Credit Hours: 4
* MSU Equivalent: PHY 124, BIO 235/236
* Meets Core 42: No
* MSU Major Requirement: Yes

Semester 3 Total = 15 credit hours

### OTC Year 2 Semester 4

Institutional Elective

* OTC Course ID/Title: Choose one: BIO 170 (PT Plan) General Biology 2, BIO 292 🔾 (PA Plan) General Microbiology
* Credit Hours: 4-5
* MSU Equivalent: BIO 122, BIO 210
* Meets Core 42: No
* MSU Major Requirement: Yes

Institutional Elective

* OTC Course ID/Title: CHM 170/171🔾 General Chemistry 2/General Chemistry 2 Lab
* Credit Hours: 5
* MSU Equivalent: CHM 170/171
* Meets Core 42: No
* MSU Major Requirement: Yes

Core Elective

* OTC Course ID/Title: MTH 210 Statistical Algebra
* Credit Hours: 3
* MSU Equivalent: QBA 237
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: ANT 101, COM 150, ECO 270, GRY 101, HST 106, HST 130, PLS 201,   
  PSY 130, SOC 210, ANT 220, CRM 210, ECO 275, HST 105, HST 120, PLS 101, PSY 110, SOC 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Semester 4 Total = 15-16  
Total Hours at OTC = 63-66  
Total Hours Applied Toward MSU Major Requirements: 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.

# Missouri State University

MSU Bachelor of Science in Exercise and Movement Science - Pre-Professional after OTC Associate of Arts in General Studies

Date Modified: 4.21.22  
MSU Transfer Advisor: Zach Burt, [ZacharyBurt@MissouriState.edu](mailto:ZacharyBurt@MissouriState.edu), 417-836-8481

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

Catalog Year: 2022-23

### MSU Year 3 Semester 1

Major Requirement

* MSU Course ID/Title: KIN 210 Healthy Lifestyles: Preventative Approaches
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: KIN 212 Introduction to Exercise Science
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: KIN 350 Health and Wellness Promotion
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: BMS 307 Human Anatomy
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: DTN 240 Introduction to Nutrition
* Credit hours: 3

Semester 1 Total: 14 Credit Hours

### MSU Year 3 Semester 2

Major Requirement

* MSU Course ID/Title: Choose one: ATC 222 Athletic Injuries, KIN 253 First Aid
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: KIN 360 Kinesiology
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: BMS 308 Human Physiology
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: BMS 361 Principles of Motor Learning in Physical Education
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: PSY 304 Abnormal Psychology
* Credit hours: 3

Semester 2 Total: 15 Credit Hours

### MSU Year 4 Semester 3

Major Requirement

* MSU Course ID/Title: CHM 201/202 Essentials of Organic Chemistry & Essentials of Organic Chemistry Lab, CHM 342 Organic Chemistry 1
* Credit hours: 3-5

Major Requirement

* MSU Course ID/Title: KIN 362 Exercise Physiology
* Credit hours: 4

General Elective \*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 3

General Elective \*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 3

Semester 3 Total: 16 Credit Hours

### MSU Year 4 Semester 4

Major Requirement

* MSU Course ID/Title: 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.
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: KIN 465 Exercise Prescription: Strength and Conditioning
* Credit hours: 2

General Elective\*\*

* MSU Course ID/Title: KIN 468 Adapted Physical Education
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: KIN 569 Health Appraisal/Exercise Test
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: Choose one: KIN 500 Seminar in Physical Education, KIN 491 Field Experience
* Credit hours: 3-12

Semester 4 Total: 15-25 Credit Hours  
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).