

## MASTER OF SCIENCE IN EXERCISE PHYSIOLOGY CURRICULUM

The Master of Science in Exercise Physiology (MSEP) at St. Ambrose University is a 33-36 credit program. Our program focuses on comprehension and application of research in kinesiology to improve evidence-based practice in health care, research, education, fitness, and sport careers.

Please [consult the online course catalog](#) for detailed course descriptions.

### ACCELERATED COURSE SEQUENCE

#### Year One

Summer Session	Credit
KIN 600 Research Methods	3
KIN 602 Statistics in Exercise Science	3
KIN 512 Sport Nutrition	3
<b>Total Credits</b>	<b>9</b>

Fall	Credit	Spring	Credit
KIN 625 Advanced Physiology	5	KIN 509 Exercise Pharmacology	3
KIN 608 Exercise Biochemistry	3	KIN 510 Biomechanics	3
KIN 560 Special Topics	3	KIN 610 Seminar in Exercise Science	2
		KIN 615 Advanced Exercise Physiology	3
		KIN 620 Independent Research (thesis option only)	1
<b>Total Credits</b>	<b>11</b>	<b>Total Credits</b>	<b>11-12</b>

#### Year Two

Summer Session	Credit
KIN 660 Thesis, <b>OR</b> KIN 650 Comprehensive Exam	4

## STANDARD COURSE SEQUENCE

### Year One

Summer Session	Credit
KIN 602 Statistics in Exercise Science	3

Fall	Credit	Spring	Credit
KIN 560 Special Topics	3	KIN 509 Exercise Pharmacology	3
KIN 600 Research Methods	3	KIN 610 Seminar in Exercise Science	2
KIN 625 Advanced Physiology	5	KIN 615 Advanced Exercise Physiology	3
<b>Total Credits</b>	<b>11</b>	<b>Total Credits</b>	<b>8</b>

### Year Two

Fall	Credit	Spring	Credit
KIN 512 Sport Nutrition	3	KIN 660 Thesis, <b>OR</b> KIN 650 Comprehensive Exam	4
KIN 608 Exercise Biochemistry	3	KIN 510 Biomechanics	3
KIN 620 Independent Research (for thesis option only)	1		
<b>Total Credits</b>	<b>6-7</b>	<b>Total Credits</b>	<b>7</b>