

KINESIOLOGY

DEPARTMENT OFFICE

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**Faculty Early Retirement Program*

Programs Offered

Bachelor of Science in Kinesiology

Master of Arts in Kinesiology

Minor in Kinesiology

Single Subject Teaching Credential Preparation

Adapted Physical Education Specialist Credential

Integrated Degree and Credential Program

Kinesiology, as the study of human movement, utilizes a comprehensive and integrative approach to examine phenomena related to all aspects of physical activity. The curriculum offered by the Department of Kinesiology prepares graduates who can apply kinesiological principles to the acquisition, performance, and refinement of motor skills and to the use of physical activity as an educative tool and a medium for health promotion, personal well-being, and participation in an active lifestyle. The curriculum addresses human movement across the life span from biological/physical, behavioral, sociocultural, and humanistic perspectives, with attention given to the unique and common needs of all people in a wide variety of contexts and conditions.

In conjunction with the broader educational mission of the University, the kinesiology major program prepares students to lead and participate in a modern complex society and to assume multiple roles throughout their lifetimes. Graduates have acquired knowledge and experiences that prepare them to pursue lifelong learning, advanced study, and/or careers in such areas as teaching, coaching,

adapted physical education, allied health fields, health and fitness industries, sport industries, or exercise and movement science. To achieve this mission the kinesiology major provides students with a well-structured set of curricular and cocurricular experiences and the mentorship to derive a sound education from the University experience.

The Department of Kinesiology programs lead to the B.S. or M.A. degrees. In both programs a core of courses is required. Beyond this core, the kinesiology student chooses a concentration of courses with a specific focus. The undergraduate may select physical education, adapted physical education, exercise science, lifetime fitness, or interdisciplinary studies in kinesiology. Theoretical and practical learning experiences are an important part of all concentrations. Students are required to participate in a variety of field experiences, working as coaching assistants, teacher's aides, exercise/recreation leaders, and instructors for disabled students.

Prior to beginning upper-division studies in Kinesiology, students should have acquired the knowledge and skills necessary for success. Courses with specific application to the kinesiology degree are included as support courses for the major. All students entering the upper-division kinesiology degree should

- Be able to utilize computing technology in support of inquiry;
- Demonstrate knowledge of a broad range of concepts, issues, facts, and theories derived from the biological, physical, behavioral, social sciences, and from the humanities;
- Demonstrate critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skills; and
- Document experience in a variety of movement forms and fitness activities.

At the completion of the undergraduate degree all graduates should

- Demonstrate knowledge and skill in a broad variety of movement and fitness activities;
- Understand the biological/physical and behavioral bases of movement and the changes that occur across the life span, within diverse populations, and under a variety of environmental conditions;
- Understand the sociocultural and humanistic bases of movement with diverse cultures, historical periods, and social settings;
- Understand how motor skills are acquired and fitness achieved and maintained across the life span and within diverse populations;
- Understand the relationship among movement, conditioning and training, well-being, and skill across the life span and under a variety of environmental and personally unique conditions;

- Know how to apply kinesiological knowledge to enhance motor skill and fitness with a variety of populations and conditions;
- Apply critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skills to movement-related questions;
- Demonstrate knowledge of the conditions of safe practice in movement-related contexts across the life span and within diverse populations, and respond appropriately to common injuries occurring during physical activity;
- Be able to use and apply kinesiological data collection techniques and measurement theory to assess, analyze, and evaluate human performance;
- Understand the scientific method and other systematic ways of knowing relative to research and scholarship in human movement;
- Demonstrate ability to integrate multidisciplinary knowledge bases of kinesiology in an applied, problem-solving context;
- Be familiar with standards, ethics, and expectations of professional communities related to human movement;
- Be prepared to engage in professionally related community activities;
- Be prepared to engage in informed dialogue with diverse professional and lay communities regarding kinesiological principles and practices; and
- Demonstrate additional in-depth knowledge and skills associated with study in any one of the concentrations, specializations, or emphases that are associated with kinesiology degrees.

Bachelor of Science in Kinesiology

All majors in the Department of Kinesiology must complete the support courses and the major core courses. Each major selects a concentration in which to complete the major.

Degree Requirements	Units
General education	51
Major requirements	50-52
Support courses (maximum outside GE)	18
General electives	3-5
Total units needed for graduation	124

All courses fulfilling either major or minor requirements in kinesiology must be graded A-F, except for courses not available in the A-F mode or courses that are challenged.

Physical Therapy Program Prerequisites

Courses	SSU Course	UCSF	Samuel Merritt	UOP	Chapman	West Univ. of H.S.
General Physics	PHYS 209AB/210AB	R-8	R-8	R-8	R-8	R-8
General Chemistry	CHEM 115AB/116AB	R-10	R-8	R-8	F-8	F-8
Organic Chemistry	CHEM 335A	r-3				
H. Anatomy w/lab	BIOL 220	R-3	R-4	R-4	R-4	R-4
H. Physiology	BIOL 224		R-4	R-4	R-4	R-4
Bio Elective	BIOL 307, 318		R-3	R-4	R-6	
Microbiology/Cell Biology	BIOL 218/344	R-4		R-4		
Neuro Anatomy	PSY 451	r-4				
Ab Psych/Psych Dis	PSY 425/438	R-3				
General Psych	PSY 250, 302		R-3			
Psych Elective			R-3	R-3	R-6	
Sociology Elective			R-3			
Biomechanics	KIN 350	R-3	R-3			
Exercise Physiology	KIN 360	r-3	R-3			
Motor Learning/ Motor Development	KIN 305/410	r-3				
Statistics	MATH 165	R-3	R-3		R-4	R-4
English Composition Written/Oral Comm	ENGL 101 HUM 200/ENGL 201	r-3		R-3		
Field Experience	KIN 430D	R-150	R			
GRE		R 1500/500R 1700/540				

R=REQUIRED, r=recommended

Support Courses for the Bachelor of Science

These courses may be taken at a community college, and some may be used to fulfill general education requirements. Some of these courses are prerequisites to courses in the major. The SSU equivalent is listed in parentheses.

Human Anatomy (BIOL 220)*	4
Human Physiology (BIOL 224)*	4
Nutrition	3
Introduction to Computing (CS 101)*+	3
Foundations of Kinesiology (KIN 201)	3

Total supporting units 17

* GE courses

+ Students in physical education concentration may take KIN 307 instead.

Major Core Requirements (all concentrations)

KIN 301 Philosophy/History of Human Movement	4
KIN 305 Psychological Bases of Human Movement	4
KIN 315 Sociology of Sport	3
KIN 330A Measurement and Evaluation or MATH 165 (4)	1
KIN 350 Biomechanics	4
KIN 360 Physiology of Exercise	4
KIN 410 Life Span Motor Development	3
KIN 460 Conditioning for Health and Performance	3

Total units in the major core 26-29

Sample Four-year Program for Bachelor of Science in Kinesiology, Exercise Science Concentration

LOWER-DIVISION PREPARATION

FRESHMAN YEAR:: 32 Units

Fall Semester (15 Units)	Spring Semester (15 Units)
GE (B2) BIOL 110 (4)	Chem 115A (B1) (5)
GE (C1) (3)	GE (A3) (3)
CS 101 (3)	GE (B4) (MATH 165/161) (4)
GE (A2) (3)	GE (D2) (3)
GE (D4) (3)	

SOPHOMORE YEAR:: 29 Units

Fall Semester (15 Units)	Spring Semester (17 Units)
GE (A1) (3)	GE (D5) (3)
BIOL 220 (B3) (4)	GE (C4) (3)
CHEM 115B (5)	GE (D3) (3)
BIOL 307 (3)	BIO 224 (4)
	PHYS 209A/210A (4)

UPPER-DIVISION SPECIALIZATION

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
KIN 340/342 (3)	KIN 360 (4)
KIN 301 (4)	KIN 315 (3)
GE (C2) (3)	GE UD (C3) (3)
GE UD (D1) (3)	KIN 410 (3)
PHYS 209B/210B (4)	

SENIOR YEAR:: 30 Units

Fall Semester (16 Units)	Spring Semester (14 Units)
KIN 305 (4)	GE UD (E) (3)
KIN 350 (4)	KIN 460 (3)
Elective (3)	Nutrition
Elective (3)	

Summer Session Option

KIN 410 (3)

In addition to the upper-division specialization, choose one of the following options:

- *Pre-Physical Therapy* •

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
PSY 425 Elective (4)	

SENIOR YEAR:: 30 Units

Fall Semester (16 Units)	Spring Semester (14 Units)
KIN 430D (1-3)	

TOTAL UNITS:: 124

- *Biomechanics* •

JUNIOR YEAR

Fall Semester (17 Units)	Spring Semester (16 Units)
KIN 300 (2)	Elective (3)

SENIOR YEAR

Fall Semester (16 Units)	Spring Semester (14 Units)
KIN 430/495 (1-4)	

Sample Four-year Program for Bachelor of Science in Kinesiology

Physical Education, Adapted Physical Education, Lifetime Fitness Concentrations

LOWER-DIVISION PREPARATION

FRESHMAN YEAR:: 32 Units

Fall Semester (17 Units)	Spring Semester (15 Units)
GE (A2) (3)	CHEM 105/115 (3)
GE (B2) BIOL 115 (3)	GE (A3) (3)
GE (B4) (4)	GE (C4) (3)
CS 101 (3)	GE (D2) (3)
GE (B1) (4)	GE (C2) (3)

SOPHOMORE YEAR:: 31-32 Units

Fall Semester (16 Units)	Spring Semester (14-16 Units)
GE (A1) (3)	GE (D5) (3)
GE (D3) (3)	Biol 224 (4)
Biol 220 (B3) (4)	GE (C1) (3)
GE (D4) (3)	KIN 201 (3)
Elective (3)	PE: KIN 300 Aquatics (1)
	APE: KIN 325 (3)
	LF: KIN 342 (3)

UPPER-DIVISION SPECIALIZATION

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
KIN 330A (1)	KIN 360 (4)
KIN 301 (4)	KIN 410 (3)
KIN 315 (3)	
GE UD (D1) (3)	

SENIOR YEAR:: 29 Units

Fall Semester (15 Units)	Spring Semester (14 Units)
KIN 305 (4)	GE UD (E) (3)
KIN 350 (4)	KIN 460 (3)
GE UD (C3) (3)	Nutrition (3)
BIOL 307 (3)	

In addition to the upper-division specialization, choose one of the following options:

• Physical Education •

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
KIN 400 (3)	KIN 325 (3)
KIN 300 (2)	KIN 300 (1)
KIN 307 (3)	KIN 342 (3)
KIN 320 (3)	

SENIOR YEAR:: 29 Units

Fall Semester (15 Units)	Spring Semester (14 Units)
KIN 300 (2)	KIN 300 (1)
KIN 404 (2)	KIN 430 (1)
	Combatives

SUMMER SESSION OPTIONS

KIN 307 (3)
KIN 400 (3)
KIN 410 (3)

• Adapted Physical Education •

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
Elective (3)	KIN 340/342 (3)
KIN 426 (4)	KIN 300 Aquatics (1)
Elective (3)	KIN 427 (3)

SENIOR YEAR:: 29 Units

Fall Semester (17 Units)	Spring Semester (14 Units)
EDSP 430/433 (3-4)	KIN 430C (1)
KIN 425 (3)	Elective (3)
KIN 430C (1)	

• Lifetime Fitness •

JUNIOR YEAR:: 33 Units

Fall Semester (17 Units)	Spring Semester (16 Units)
KIN 426 (4)	KIN 340 (3)
LTF Elective (3)	KIN 442 (4)

SENIOR YEAR:: 29 Units

Fall Semester (15 Units)	Spring Semester (16 Units)
NURS 473 (3)	KIN 430E (3)
LTF Elective (3)	KIN 446 (3)

Major Concentrations

Choose one of the required concentrations below to complete the major:

I. Adapted Physical Education Concentration (25-26)	
II. Physical Education Concentration (26)	
III. Exercise Science Concentration (24-26)	
IV. Lifetime Fitness Concentration (25-28)	
V. Interdisciplinary Concentration (24)	
Total units in a concentration	24-28
Total units in the major	50-52

Specific content of concentrations is detailed below.

Specific Content of Concentrations

Several options are available to a student advancing toward a specific goal in the degree program. A student may select a pattern of courses in any one of the following concentrations.

I. Adapted Physical Education Concentration

After completing the bachelor's degree, students may pursue career opportunities in private or public agencies. In combination with the physical education concentration (Single Subject Credential), a student may meet the requirements for the specialist credential in adapted physical education.

EDSP 433 or 430 Teaching Adolescents with Special Needs/Special Education for Teachers	3 - 4
KIN 340/342 Emergency Response/Principles of Musculoskeletal Injuries	3
KIN 300 Aquatics	1
KIN 325 Introduction to Adapted Physical Education	3
KIN 425 Seminar in Adapted PE	3
KIN 426 Individualized Assessment and Program Design	4
KIN 427 Individuals with Disabilities in Educational/Recreational Setting	3
KIN 430C Field Experience	2
Additional approved elective	3
Total units in the concentration	25-26
Total units in the B.S.	51-52

II. Physical Education Concentration

The Kinesiology Department offers a Subject Matter Program in Physical Education. Students who are interested in teaching physical education and coaching in the schools may select this option. Completion of the program certifies the subject matter competence required for entry into a teaching credential program in physical education and exempts the student from taking the Praxis II Subject Assessment Examination. Kinesiology majors interested in seeking a general elementary credential may demonstrate subject matter competence by passing the Praxis II Multiple Subject Assessment for Teachers. For further information, contact the department office.

KIN 300 Analysis of Motor Performance: Aquatics Skills and Fitness Performance	1
	1

Dance and Rhythms	1
Educational Gymnastics	1
Racquet Sports	1
Team Sports	1
Contemporary Activities	1
KIN 101 Combatives	1
KIN 307 Computer Applications in Physical Education	3
KIN 320 Curriculum, Pedagogy, and Assessment	3
KIN 325 Introduction to Adapted Physical Education	3
KIN 342 Principles of Musculoskeletal Injuries	3
KIN 400 Elementary School Physical Education	3
KIN 404 Theory of Coaching	2
KIN 430 Field Experience	1
Total units in the concentration	26
Total units in the major	52

For information on credentials and professional education requirements, please see the Education section in this catalog, which describes programs in education, and also the University's special bulletin on Programs in Teacher Education.

Integrated Degree and Credential Program

Students in their freshmen year who are interested in becoming public school physical education teachers can enroll in a program of study that integrates a B.S. in kinesiology with a concentration in physical education, with the requirements necessary to obtain a teaching credential. This plan of study merges the degree and credential courses, subsequently exposing students to public school teaching experiences from their freshman through senior years. In addition, if students follow the designed advising plan, they have the potential of completing their course of study in less time than if the degree and credential programs were taken back to back. This program may necessitate students taking one or two summer school sessions.

FRESHMAN YEAR:: 31 Units

Fall Semester (15 Units)	Spring Semester (16 Units)
GE (B1) (3-4)	POLS 200 (D4) (3)
ENGL 101 (A2) (3)	GE (D2) (3)
Foreign Language (C4) (3) (if needed)	PHIL 101 or 102 (A3) (3)
MATH 165 (B2) (4)	BIOL 115 w/out lab (B2) (3)
KIN 120 (2)	KIN 101 (1)
	Combatives
	GE (C3) (3)

SOPHOMORE YEAR:: 32 Units

Fall Semester (17 Units)	Spring Semester (15 Units)
BIOL 220 (B3) (4)	KIN 300 (2)
KIN 300 (1)	KIN 315 (3)
KIN 320 (3)	KIN 342 (3)
GE (A1, C2, D3) (9)	BIOL 224 (B3) (4)
Have taken CBEST.	GE (C3, D5) (3)
Apply to Single-Subject Credential Program.	

SUMMER SESSION:: 9 Units

EDUC 417 (3)
 Foreign Language (if needed) (3)
 KIN 307 (3)

JUNIOR YEAR:: 34 Units

Fall Semester (18 Units)	Spring Semester (16 Units)
KIN 301 (4)	KIN 300 (2)
KIN 300 (1)	KIN 325 (3)
KIN 350 (4)	KIN 360 (4)
KIN 410 (3)	Nutrition (3)
GE (C1, E) (6)	EDSS 442 (4)

SUMMER SESSION:: 9 Units

KIN 400 (3)
 EDSS 418 (3)
 EDSP 433 (3)

SENIOR YEAR:: 35 Units

Fall Semester (18 Units)	Spring Semester (17 Units)
KIN 300 (1)	EDSS 458 (12)
KIN 305 (4)	EDSS 459 (3)
KIN 460 (3)	KIN 404 (2)
EDSS 443A (1)	
EDSS 443B (2)	
EDSS 444 (3)	
EDSS 446 (4)	

III. Exercise Science Concentration

Students who have an interest in biomechanics or pre-physical therapy may select this concentration. It contains lower-division and upper-division courses beyond the core required of all majors and a set of courses specific to the subspecialty within the concentration.

Lower-Division Exercise Science Core

CHEM 115AB/116AB General Chemistry*	8**
PHYS 209/210 General Physics*	4**

Upper-Division Exercise Science Core

KIN 340/342 Emergency Response or Principles of Musculoskeletal Injuries	3
KIN 430/495 Field Experience/Special Studies	3

Total in the Exercise Science core	18
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* GE courses.

** Students planning to enter a master's degree program in physical therapy may need to take additional units or courses to satisfy admission requirements to the programs. Check with the academic schools to which you plan to apply for specific requirements.

Areas of Emphasis in Exercise Science

Choose one of the following areas of emphasis to complete the exercise science concentration:

- Pre-Physical Therapy
- Biomechanics

Specific content of areas of emphasis is detailed below.

Pre-Physical Therapy Emphasis

PSY 425 Abnormal Behavior	4
BIOL Elective related to physical therapy	4

Total units in the concentration	26
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Total units in the major	52
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Biomechanics

MATH 161 Calculus	4*
KIN 300 Analysis of Motor Performance	2

Total units in the concentration	24
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Total units in the major	52
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* GE courses

IV. Lifetime Fitness Concentration

Prepares individuals for careers in the allied fields of fitness, health, wellness, and paramedical occupations. Those who work with exercise must have an understanding of intra- and interpersonal aspects of exercise adherence, as well as knowledge of the structure and function of the human body. They must know exercise physiology and the mechanics of human motion; and they must possess skills in planning and carrying out appropriate exercise programs and treatment regimes for the healthy individual who desires lifetime fitness goals, as well as for the individual with unique needs due to a developmental concern or musculoskeletal injury. This concentration incorporates coursework in exercise history, philosophy, sociology, and psychology; exercise physiology and biomechanics of movement; adapted physical education and emergency / sports medicine; and health education, while providing opportunities for internships & field experiences.

KIN 340 Emergency Response	3
KIN 342 Principles of Musculoskeletal Injuries	3
KIN 426 Individualized Assessment and Program Design	4
KIN 430/495 Field Experience/Internship	3
KIN 442 Musculoskeletal Evaluation, Training, and Treatment	4
KIN 446 Exercise Instruction	3

Electives * Choose a minimum of 2 courses (below)

KIN 404 Theory of Coaching (2)	
KIN 427 Individuals with Disabilities in Education and Recreation (3)	
BIO 318 Biology of Aging (3)*	
BUS 150 Business and Society (3)	
GERN 300 Basic Gerontology (3)*	
NURS 473 Health Education and Drug Abuse (3)	
PSY 201 Human Potential (3)	
PSY 408 Transitions in Adult Development (4)	
PSY 421 Psychology of Aging (4)	
SOC 317 Emotions and Adult Life (3)*	

Total units in the concentration	25-28
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Total units in the major	51-54
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* GE courses

V. Interdisciplinary Concentration

In consultation with their advisors, students design a concentrated course of study or special emphasis track in preparation for a career goal. The concentration must be distinctly different from Kinesiology concentrations already offered. Areas of emphasis may include pre-Occupational Therapy, pre-Physician's Assistant, pre-Chiropractic, sports management, community recreation, and others.

Students, in consultation with their advisors, shall define and describe in writing the specific theme they would like their Interdisciplinary Concentration to be in and select a minimum of 24 units of coursework to fulfill program requirements. Courses in kinesiology and those offered by other departments are appropriate and may be applied to this track. A minimum of 3 units, and not more than 6 units, in Field Experience (KIN 430) and/or Special Studies (KIN 495) must be taken. The proposed study list must be signed by the student and advisor and submitted to the department chair for approval. A copy of the signed, approved study list is placed in the student's advising folder.

Total units in the concentration 25-28

Total units in the major 51-54

Careers

Lifetime Fitness

The Lifetime Fitness concentration prepares students for admittance into professional degree programs

- Athletic Trainer
- Others

Or certifications that require a baccalaureate degree

- Strength and Conditioning Specialist
- Certified Personal Trainer
- Health Fitness Instructor
- Exercise Specialist

And advanced professional preparation for careers

- Emergency Medicine EMT/Paramedic
- Fitness
- Massage Therapy
- Wellness

Physical Education

- Teaching middle school and high school (B.S. degree leads into the Single Subject Credential Program which certifies graduates to teach in public schools).
- Coaching in public schools and at the collegiate level.
- Graduate Programs in
 - Physical Education (M.A., M.Sc.)

- Adapted Physical Education
- Curriculum and Instruction
- Education Administration
- Teach/coach at a community college (M.A. required).

Adapted Physical Education – Physical Education For Individuals With Disabilities

- Work in public schools, community recreation centers, hospitals and other clinical settings, junior colleges, colleges, and universities;
- Work with infants, children, and adults with all kinds of disabilities;
- Teach adapted physical education to students and also mentor classroom and general physical education teachers (requires Single Subject Credential); and
- Graduate Programs in
 - Adapted physical education
 - Special education

Students planning to apply to a graduate program in physical therapy Completing the Kinesiology degree with the Exercise Science concentration, pre-physical therapy option, will satisfy many of the course requirements (or recommendations) which are prerequisites for admission to a physical therapy program. While there are similarities across physical therapy programs, there are also differences from one graduate program to another. Students are urged to contact personally any graduate school they may wish to consider and request admission requirements. Information can be obtained from the American Physical Therapy Associate website: <http://www.apta.org>.

No single list of prerequisites can be totally complete and accurate. The list on the previous page summarizes current requirements for some programs in California, and the requirements are similar to other programs. It is suggested that you use the attached list as general guidelines until a specific school or schools are selected.

Additional Considerations

- Plan on a minimum of two years beyond the bachelor's degree to complete a physical therapy program. Actual time varies by program.
- Find out if the Graduate Record Examination (GRE) is required and what minimum score is accepted.
- Strengthen your oral and written communication skills.
- Apply to several programs.
- Usually a 3.0 GPA is required; however, many schools actually use a 3.3 or higher GPA.
- Get extensive field experience, have excellent letters of recommendation, prepare a strong portfolio, and be prepared for a good interview.

- Some programs may not take less than a “B” in a prerequisite course; some will not accept a repeat grade if the original grade was a “C” or better.
- Many programs require that prerequisites be taken in the last 5-10 years; this varies from school to school.
- DO NOT take prerequisite courses for CR/NC.
- Take elective courses in related fields, especially the biological sciences.
- Talk to physical therapists and other pre-pt students, and be active in the pre-health professions clubs on campus.

Minor in Kinesiology

Students majoring in other disciplines may complete a minor in kinesiology to further their career goals. The minor requires a minimum of 22 units and includes a core of 12 to 13 units (required of all students) and a minimum of 9 to 10 units of electives. The minor in kinesiology may be desirable for credential candidates pursuing a second teaching area or a career in coaching; for management students entering sport/fitness businesses; for those involved in outdoor recreation programs; for students in performing arts desiring a physical education/dance background. Students pursuing a kinesiology minor must consult with a departmental advisor for program requirements. A copy of a signed approved study list is placed in the student’s advising folder.

Minor Core Requirements

KIN 330A Measurement and Evaluation	1
Choose one course from the following:	
KIN 301 History and Philosophy of Human Movement (4) or KIN 315 Sociology of Sport (3) or KIN 410 Lifespan Motor Development (3)	3-4
Choose two courses from the following:	
KIN 305 Psychological Bases of Human Movement (4) KIN 350 Biomechanics (4) [Prerequisite BIOL 220, Human Anatomy (4)] KIN 360 Physiology of Exercise (4) [Prerequisites CHEM 115A, General Chemistry (5) and BIOL 224, Human Physiology (4)]	8
Total units in the minor core	12-13

Minor Options

These courses are to be determined with and approved by a departmental advisor. They must be in kinesiology and may include a maximum of 3 units of field work and/or special studies.

Total units in the minor option	9-10
Total units in the minor	22

Master of Arts in Kinesiology

The Master of Arts degree program is oriented toward professional training for those interested in obtaining terminal degrees in areas such as teaching, coaching, adult fitness, athletic training, and rehabilitation. The program emphasizes a common core/knowledge base, the interdisciplinary nature of kinesiology, a focus on applied professionals, and a culminating experience that is individualized to meet each student’s professional needs and interests.

At the completion of the program all graduates will

- Demonstrate knowledge of basic principles and an understanding of the current research in the field of kinesiology;
- Apply critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skills to movement-related questions;
- Understand the scientific method and other systematic ways of knowing relative to research and scholarship in human movement;
- Develop a sense of responsibility to and for the profession and be professionally involved at the local, state, and/or regional levels; and
- Be prepared to engage in informed dialogue with diverse professional and lay communities regarding kinesiological principles and practices.

M.A. Core Requirements

KIN 500 Introduction to Scholarly Inquiry in Kinesiology	2
KIN 505 Seminar in Psycho-Social Bases of Human Movement	3
KIN 520 Pedagogical Methods	3
KIN 525 Individualized Movement Programs for Rehabilitation & Education	3
KIN 550 Seminar in Biomechanics	2
KIN 560 Advanced Physiology of Exercise	2
KIN 590 Graduate Internship	3
KIN 599 Culminating Project	3
Total units in the M.A. core	21

M.A. Electives

In consultation with and receiving approval from an advisor, select an additional 9-unit study plan. For example, a student who wishes to pursue an emphasis in sport pedagogy will select from the following list of electives:

KIN 521 Curriculum Design & Analysis in Physical Education (3) KIN 522 Research and Issues in Physical Education Teacher Education (3) EDSS 444 Teaching in the Content Area (Physical Education) (3) EDCT 558 Educational Technology and Classroom (3) EDCT 560 Instructional Design and Technology (3)	9
Total units in M.A. electives	9
Total units in the M.A. degree	30

The Department of Kinesiology offers the M.A. in Kinesiology via the culminating project in which graduate students choose from the following options: project, thesis, scholarly article, business/curriculum plan, clinical project, and a research component of a larger sponsored project. In so doing, graduate students are offered an array of options that are individualized to their specific professional needs. Students selecting the thesis option must complete an approved statistics course as a prerequisite.

Admissions Procedures

Students must apply to the University through the Office of Admissions and Records and must complete a separate application to the Kinesiology Department. Applicants must:

1. Apply to the Office of Admissions to be admitted to graduate status in the University. The application must include the following:
 - a. Two sets of transcripts of all college work;
 - b. Certification of a B.S. degree or the equivalent with a 3.0 GPA in the last 60 units of college work.
2. Apply to the Department of Kinesiology for admissions to the Master's Degree Program in Kinesiology. This application must include:
 - a. Two letters of recommendation from individuals familiar with the candidate's academic work;
 - b. A written personal statement indicating the applicant's academic and professional interests and goals.

Students may be admitted as conditionally classified or classified graduate students. The procedures for each are as follows:

Conditionally Classified Graduate

Application for students interested in pursuing a master's degree in kinesiology will be forwarded to the department for consideration. Students who have degrees in other areas of study must make up deficiencies in undergraduate areas: descriptive statistics, biomechanics, psychological basis of human movement, and physiology of exercise. Only one (up to 4 units) of these courses may be counted toward the M.A. degree. Completion of WEPT required.

Classified Graduate

Classified graduate students are those who have completed all admissions requirements and undergraduate course work and have been admitted to the University and the master's degree program in the Department of Kinesiology.

Please see the Degree Requirements section in this catalog for postbaccalaureate degree requirements. The graduate coordinator serves as advisor to all conditionally classified graduate students until the students select a major advisor and advance to classified graduate status.

Advancement to Candidacy for the M.A. Degree

The Advancements to Candidacy form (GS01) describes the culminating project and verifies that the student has met the Writing Proficiency Requirement. This form must be approved by all members of the student's project committee and the department graduate coordinator before being forwarded to the Associate Vice President for final review and approval prior to granting of the M.A. degree.