



DEPARTMENT OF KINESIOLOGY

UNDERGRADUATE MAJOR  
ADVISING HANDBOOK

2020-21

San José State University  
College of Health and Human Sciences (CHHS)

Edited (08/2020)

**Department of Kinesiology  
San José State University**

**Undergraduate Student Advising Handbook**

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## INTRODUCTION

Welcome to the Department of Kinesiology at San José State University! (<http://www.sjsu.edu/kinesiology/>)

**MISSION:** *In an atmosphere of social justice, equity, and respect for diversity, the mission of the Department of Kinesiology is to create and disseminate knowledge; engage in community service; prepare and graduate exemplary kinesiology professionals; as well as meet individual and societal needs for physical activity, sport, movement, and wellness. (11/2017)*

**VISION:** *We will be a preeminent, globally-connected kinesiology department recognized for excellence and innovation in teaching and learning, research, scholarship, creative activity, and community engagement. (10/2017)*

Students are encouraged to become actively involved in their profession through classroom and laboratory experiences, internships, and extracurricular activities. Many opportunities are available for students to become professionally involved including participation in student clubs and attendance at local, regional, and national conferences. These activities facilitate networking with other students and faculty. Student clubs in the Department of Kinesiology include:

- **Adapted Physical Activity Club:** The APA Club is a student service organization that supports physical activity, recreation, and sport for individuals with disability at SJSU and in the community.
- **Kinesiology Ambassadors Club (KAC):** The Kinesiology Ambassadors Club is open to all kinesiology majors and minors. Kinesiology Ambassadors advocate for physical activity, health, and wellness in the community and within San José State University. The Club also promotes the major of kinesiology within San José State University and the community.
- **Physical Education Teacher Education (PETE) Club:** PETE Club members work together to assist, support, and promote the development of highly qualified physical education teachers
- **Pre-Physical Therapy Club:** The Pre-Physical Therapy Club provides community resources, peer advising, guest speakers, and volunteer opportunities for members to help them become stronger candidates for physical therapy graduate programs.
- **Spartan Athletic Training Organization (SPATO):** SPATO promotes the profession of athletic training and sports medicine. The organization is open to athletic training and other students interested in learning about sports medicine and athletic training, and building a professional network. SPATO helps students become aware of current topics in athletic training and prepare to be professionals in the field of athletic training.
- **Sport Management Student Association (SMSA):** The SMSA is an organization that seeks to provide students with the opportunity to further their knowledge of the sport industry. The organization endeavors to secure relationships with local, state, and national sport organizations to develop networking opportunities, practical knowledge, and sport industry experience.

Information about student clubs and professional conferences are posted on the KIN bulletin boards, announced in classes, and published in the *Communicator*, the KIN newsletter.

**International** opportunities, including study abroad, are available through the Center for International Sport and Human Performance. For information about these opportunities, contact Dr. Shirley Reekie or Dr. Gong Chen.

<http://www.sjsu.edu/research/ortu/ortu-list/index.html>

The Department of Kinesiology is a charter member of the **American Kinesiology Association (AKA):**

<http://www.americankinesiology.org/>

## Department of Kinesiology Statement of Core Values

The Department of Kinesiology adopts the following  
Core Values in support of our overall mission:

A balance between work and life  
Quality teaching, programs, curricula  
Democratic governance with opportunities for participation  
Equity, fairness, and social justice  
Sensitivity to diversity  
Collaboration within and between our sub-disciplines  
Respect for individuals and our sub-disciplines  
Collegiality in the workplace  
Physically active lifestyles  
Efficiency of human movement

This handbook has been compiled by the Department of Kinesiology to provide our majors with pertinent information about kinesiology as a field and a discipline, as well as kinesiology major and university graduation requirements. The handbook also includes a description of the four major components that must be completed by kinesiology students to attain the Bachelor of Science Degree at San José State University. Other pertinent information in the handbook includes a list of Kinesiology Department faculty members, student responsibilities, and specific curricular requirements for the specializations within the Department.

While the currency and accuracy of this handbook is carefully regulated, students should recognize that the official record of their curriculum is in the San José State University General Catalog, which was in effect at the official time they started their program. In addition, while the Department provides individual advisors for students majoring and minoring in kinesiology, as well as documents such as this handbook, students are personally responsible for maintaining accurate and current information concerning the Department, their curricular programs, and degree requirements. <http://info.sjsu.edu/home/catalog.html>

### **Department of Kinesiology Social Media**

**Facebook:** <https://www.facebook.com/KinSjsu/>

**Twitter:** <https://twitter.com/kinsjsu>

**Blog:** <http://blogs.sjsu.edu/kinesiology/>

**Google+:** <https://plus.google.com/114335069666545175283>

## WHAT IS KINESIOLOGY?

Kinesiology is the academic discipline concerned with the art and science of human movement. This discipline encompasses the study of the human organism in work, play, games, sport, aquatics, dance, and other forms of human movement. Specific sub-disciplines within kinesiology are: Philosophy, History, Sociology of Sport and Physical Activity, Psychology of Sport and Exercise, Sport Management, Biomechanics, Exercise Physiology, Motor Development, Motor Learning, Motor Control, and Adapted/Physical Education Teacher Education. Careers in areas related to kinesiology are many and varied. Listed below are some potential career areas related to kinesiology.

### CAREER AREAS RELATED TO KINESIOLOGY

#### Public Schools

Athletic Administrator	Teacher of Physical Education
Athletic Coach	Teacher of Adapted Physical Education
Athletic Trainer	

#### Colleges and Universities

Same as Public Schools, plus:

- Intramural Director
- Sports Information Director
- Sport and event management, including facilities, equipment and ticketing

#### Teacher and/or researcher in:

Adapted Physical Education	Measurement & Evaluation	Philosophy of Sport & Movement
Athletic Administration	Motor Control	Sport/Exercise Psychology
Biomechanics	Motor Development	Sociology of Sport
Exercise Physiology	Motor Learning	Sport Management
History of Sport & PE	Pedagogy/Physical Education	

#### Professional Athletics

Many of the above plus:

Athlete	Strength and Conditioning Coach
Facilities Manager	Sport Psychologist

#### Other Public Enterprises

Many of the above plus:

- Cardiopulmonary Rehabilitation Programs
- Fitness, Health, Stress Management, Weight Control Counselor
- Manager/Employee of Health/Athletic/Fitness Club, Resort, YMCA, or Sports Medicine Clinic
- Biomechanical Analyst
- Early Education Movement Specialist (preschools, child development centers)
- Adult Education Movement Specialist (retirement centers, outreach programs)
- Recreation Director or Sports Leader for club, church, hospital, penitentiary, camp, or other private or public agency
- Private Fitness or Sports Instructor/Coach
- Sporting Goods Salesperson

#### Medicine

Cardiopulmonary Rehabilitation	Occupational Therapy	Play or Movement Therapy
Diagnostic Exercise Testing	Physical Therapy	Sports Medicine
Developmental Physical Educator	Physician Assistant	Chiropractic

## SJSU DEPARTMENT OF KINESIOLOGY

San José State University is the oldest public institution of higher education in California and is located in Santa Clara Valley, the heart of Silicon Valley. The Department of Kinesiology at San José State is housed within the College of Health and Human Sciences (CHHS) and offers a diverse curriculum related to human movement, physical education, and sports. Classes are taught by highly qualified specialists who are dedicated to the success and well-being of students. Coursework often involves laboratory or practical experiences. These kinds of experiences are facilitated by fully equipped laboratories in exercise physiology, biomechanics, athletic training, motor learning, stress management, and qualitative research. These labs contain state-of-the-art equipment such as a biomechanical force plates, digitizers, and high-speed filming equipment; metabolic carts; electrocardiographs; a DXA scanner, hydrostatic weighing tank, as well as an array of computer systems and related software. Classes are instructed in laboratories, classrooms, gymnasia, pool/aquatic areas, and outdoor field and court areas.

The Department of Kinesiology offers 2 degrees:

- 1) **Bachelor of Science (B.S.) Kinesiology** and
- 2) **Bachelor of Science (B.S.) Kinesiology, Preparation for Teaching**

Kinesiology majors will work toward the **B.S. Kinesiology** and must select one of the following specializations:

**Exercise & Fitness Specialist**  
**Rehabilitation Science**  
**Inclusive Physical Activity in Communities (IPAC)**  
**Sport Management and Culture**  
**Individualized Studies**  
**Transfer Curriculum Studies (only for those with AA-T in Kin degree)**

Students pursuing a K-12 teaching career will work toward the **B.S. Kinesiology, Preparation for Teaching** degree.

All specializations available in the Department of Kinesiology (KIN) are described in the specialization section of this handbook. As depicted in the table, completion of the KIN specialization coursework, or coursework specific to the Kinesiology, Preparation for Teaching major, is only one of four major steps required to attain the Bachelor of Science (B.S.) degree in Kinesiology or B.S. degree in Kinesiology, Preparation for Teaching. The remaining three steps include completion of all required GENERAL EDUCATION COURSEWORK, completion of the KIN CORE CURRICULUM (detailed later in this handbook), and satisfying the international experience requirement. These steps are more thoroughly examined in “The Four Major Components required to attain a Bachelor of Science degree in the Department of Kinesiology” section of this handbook. Completion of the four steps as outlined in this advising handbook results in a 120-unit degree program; a minimum of 120 units must be completed with a passing grade to satisfy the university graduation requirement.

The Department of Kinesiology prides itself on academic honesty. Students should be fully aware of the University's policy on academic integrity (refer to University Catalog). Questions concerning plagiarism, academic dishonesty, or the level of collaboration permitted on individual and group projects should be directed to the course instructor.

## KINESIOLOGY UNDERGRADUATE ADVISING FACULTY

Faculty	Specialization	Phone # (408)	Office #	Email
Armstrong, Cole	Sport Management	924-8932	SPX 114	cole.armstrong@sjsu.edu
Bohigian, Daniel	Undergraduate Advising Manager	924-3010	SPX 170	daniel.bohigian@sjsu.edu
Butler, Stan	Teacher Education/ Activities Specialist	924-3044	SPX 173J	stanley.butler@sjsu.edu
Butryn, Ted	Graduate Coordinator Sociology/Psychology of Sport	924-3068	SPX 173B	theodore.butryn@sjsu.edu
Carrillo, Cristina	Internship Coordinator	---	SPX 170	cristina.carrillo@sjsu.edu
Chang, Seung Ho	Activity Coordinator Motor Development	924-8154	SPX 110	seungho.chang@sjsu.edu
Chen, Gong	Activities Specialist	924-3033	SPX109	gong.chen@sjsu.edu
Chin, Jessica	Undergraduate Coordinator Research/Core Specialist	924-3069	SPX 173F	jessica.chin@sjsu.edu
Cisar, Craig	Exercise Physiology	924-3018	SPX 117	craig.cisar@sjsu.edu
Daum, David	Physical Ed./Teacher Ed.	924-3019	SPX 115	david.daum@sjsu.edu
Dao, Michael	History of Sport & International Cultures	924-2904	SPX 113	michael.dao@sjsu.edu
Han, KyungMo	Director, Undergraduate Athletic Training Program	924-3041	SPX 173A	kyungmo.han@sjsu.edu
Hannigan, JJ	Biomechanics	924-3014	SPX 173G	jj.hannigan@sjsu.edu
Jensen, Areum	Clinical Exercise Physiology	924-8153	SPX 175	areum.jensen@sjsu.edu
Jin, Li	Biomechanics	924-3046	SPX 111	li.jin@sjsu.edu
Lee, Jihyun	Adapted Physical Activity/Education	924-1986	SPX 112	jihyun.lee@sjsu.edu
Murphy, Daniel	Sport Psychology/GE	924-3028	SPX 110	daniel.murphy@sjsu.edu
Plato, Peggy	GE Coordinator Exercise Physiology	924-3032	SPX 174	peggy.plato@sjsu.edu
Reekie, Shirley	History of Sport & Physical Education/Activity Specialist	924-3020	SPX 173K	shirley.reekie@sjsu.edu
Siebert, Erin	Adapted & Physical Education Teacher Education	924-3207	SPX 173D	erin.siebert@sjsu.edu
Semerjian, Tamar	Department Chair Exercise & Sport Psychology	924-3069	SPX 106	tamar.semerjain@sjsu.edu
Shifflett, Bethany	Measurement & Evaluation	924-3016	SPX 173C	bethany.shifflett@sjsu.edu
Tsuruike, Masaaki	Athletic Training	924-3040	SPX 173H	masaaki.tsuruike@sjsu.edu
Wughalter, Emily	Motor Learning	924-3043	SPX 166	emily.wughalter@sjsu.edu
<b>KIN Main Office</b>		<b>924-3010</b>	<b>SPX 102</b>	

**STUDENT RESPONSIBILITIES  
REGARDING COMPLETION OF A MAJOR PROGRAM  
IN THE DEPARTMENT OF KINESIOLOGY**

- I. Upon finalizing your decision to study at San José State University in the Department of Kinesiology, make an appointment to speak to the Advising Manager for an orientation to the Department. If you are not receiving department emails, contact kinesiology staff in the main office and request to have your email address added to the student distribution list.
  
- II. **Each semester:**
  - A. Use the SJSU website to check the schedule of classes.
  - B. Make an early appointment (well in advance of registration for next semester) with your assigned departmental academic advisor to check your schedule for the subsequent semester and clear up scheduling questions.
  - C. Continue to consult with your academic advisor concerning problems and questions. Communicate!
  - D. Check the KIN bulletin boards in the Spartan Complex (SPX) weekly for announcements and/or academic deadlines that may be posted.
  - E. Make sure all of the prerequisites for your courses have been met. Prerequisites are noted in the SJSU Catalog. **This is YOUR responsibility.**
  
- III. **Sophomore Year/Junior Transfers:**
  - A. Make sure prerequisites to upper division courses are being satisfied. Transfer Students: **COURSE DESCRIPTIONS MUST BE PROVIDED FOR NON-ARTICULATED COURSES.** Contact the Kinesiology Advising Manager if any of your prerequisites are not articulated.
  - B. Students may need to complete the Application for Review of Coursework from Other Institutions to have Kinesiology **major** coursework approved that was completed at other institutions.
  - C. Take the **Writing Skills Test (WST)** as soon as possible after completing the requirements. Registration for the WST requires completion of an English 1A course (GE Area A2) and a critical thinking course (GE Area A3) with a "C" or better. Information about the WST is available at the Testing Office <http://testing.sjsu.edu/wst/>.
  
- IV. **Junior Year:**
  - A. Meet with your assigned department advisor to confirm that you are satisfying all requirements within your selected specialization/degree.
  - B. It is strongly suggested that students complete KIN 100W in their junior year. Although this is not mandatory in the junior year, KIN 100W must be completed to fulfill graduation requirements.
  - C. In the semester in which you will have completed *90 units of coursework*, fill out and submit your major/minor form and Application for Graduation (online). Due date for submitting these forms is 4 weeks after the first day of classes each semester (one year in advance of graduation date). Be sure you are receiving emails through the Kinesiology student distribution list. **To allow adequate time for Department review, the Department deadline for submitting these forms is before the University deadline.** When the Department has completed the review and forwarded your forms to Graduation Admissions and Program Evaluations (GAPE), you will receive an e-mail confirmation.
  
- V. **Senior Year:**
  - A. Maintain an awareness of all other pending deadlines. For example, pay attention to graduate school or Single Subject Credential Program application deadlines if pursuing those routes.



## The Four Major Components Required to Attain a Bachelor of Science Degree in the Department of Kinesiology

There are four major components which students are required to complete in order to obtain the Bachelor of Science Degree in Kinesiology, Bachelor of Science Degree in Athletic Training or Bachelor of Science Degree in Kinesiology, Preparation for Teaching at San José State University. These components are diagrammed schematically below and described in detail later in the handbook. For more detailed information about these components, consult with your assigned department academic advisor.

Diagram of the Four Major Components  
(120-unit Degree Program)

<b>General Education</b>	<b>Core in Kinesiology</b>	<b>B.S. Kinesiology (38 units)</b> <i>Choose Specialization Below</i>	<b>International Experience</b> (Starting Fall 2016)
KIN Major Prerequisites (courses in support of the major)  &  University Graduation Requirements (59 units), p. 8	(23 units), p. 9	Exercise and Fitness Specialist (p. 15)  Rehabilitation Science (p. 16)  Inclusive Physical Activity in Communities (p. 17)  Sport Management & Culture (p. 20)  Individualized Studies (p. 19)  Transfer Curriculum Studies Option: <u>SB1440 ONLY</u> (p. 23)  <p style="text-align: center;"><b>OR</b></p> <b>B.S. Kinesiology, Preparation for Teaching</b> (38 units) p.22	To satisfy the Department of Kinesiology international experience requirement, students have the option of completing a study abroad program for at least nine days in an approved program; exemptions and alternatives must be approved by the Dean of the College of Health and Human Sciences (i.e., based on compelling individual life experiences or physical limitations). Specific details can be found on the college website at: <a href="http://www.sjsu.edu/chh/s/international-experience/">http://www.sjsu.edu/chh/s/international-experience/</a> .

## THE FOUR MAJOR COMPONENTS

### I. COMPLETE GENERAL EDUCATION & MAJOR PREREQUISITE COURSEWORK

The first step to completing the Bachelor of Science Degree in Kinesiology or Bachelor of Science Degree in Kinesiology, Preparation for Teaching is completion of the General Education coursework. Since this curriculum is composed of a minimum of 51 units of coursework, the majority of courses taken during the freshman and sophomore years will be General Education. Basic Skills (A1, A2, A3, B4) classes must be passed with a C- or better (CSU graduation requirement) and 100W (area Z) must be passed with a C or better. For specific information concerning the General Education curriculum, consult this portion of the SJSU website: <http://info.sjsu.edu/static/catalog/policies.html>.

The following notes are of importance:

- All pre-requisite classes must be passed with a C- or better
- CHEM 30A (C- grade or better, fulfills Area B1 of Core GE), *or a more advanced Chemistry course*, is a graduation requirement for all KIN majors.
- A math course in Area B4 of Core GE (C- grade or better) is a graduation requirement for all KIN majors.
- Biology 65 or Biology 65O, Human Anatomy, and Biology 66, Human Physiology (C- grade or better, fulfills area B2 and B3 of core GE) are required of ALL Kinesiology majors.
- Take the **Writing Skills Test (WST)** as soon as possible after completing 60 units of undergraduate coursework. Registration for the WST requires completion of an English 1A course (GE Area A2) and a critical thinking course (GE Area A3) with a "C-" or better. Testing Office <http://testing.sjsu.edu/wst/>
- KIN majors **must** take 100W (Area Z, Written Communication II) in the **KIN** department and earn a grade of C or better (C- not accepted per university policy).
- GE coursework (upper or lower division) **may** be counted as electives in Kinesiology. For example, KIN 163 (Area R) and KIN 169 (Area S) may be used to fulfill kinesiology elective and SJSU Studies requirements as long as the student will have met the 120-unit SJSU graduation requirement by the end of their coursework. For a complete list of classes that fulfill SJSU Studies, go to class schedules at <http://info.sjsu.edu/static/schedules/sjstudies.html>. **NOTE 1:** For the Rehabilitation Sciences specialization, if Chem 1A is used as a course in support of the major (KIN pre-req), the Chem 30A course in support of the major requirement will be waived. **Note 2:** Stat 95 may only be used as a guided elective if it is NOT used as a course in support of the major to satisfy the Math B4 requirement (dept policy passed SP18).
- **KIN 101 may NOT be used for kinesiology major or minor credit.** KIN 101 (Area S) may only be used to satisfy an SJSU Studies requirement.
- Majors should have, for their personal use, access to online coursework transcripts completed at a community college or other 4-year institution.

## II. COMPLETE THE REQUIRED CORE CURRICULUM IN KINESIOLOGY

The KIN core curriculum is comprised of KIN 70 and upper division coursework. For that reason, most KIN majors do not begin consistent enrollment in KIN core coursework until their junior year. The first two years of study typically involve completion of General Education coursework.

### CORE CURRICULUM (23 UNITS):

All Kinesiology students, regardless of their specialization, must complete the following curriculum. **STUDENTS MUST PASS ALL CORE, ACTIVITY, AND SPECIALIZATION CLASSES WITH A GRADE OF C- OR BETTER.** Students who do not meet this minimum standard will be expected to retake the course. It is the student's responsibility to register for the course. Students retaking a course, no matter their status, will not be given special consideration for enrollment (adding) in following semesters. (Refer to the University General Catalog requirements for retaking a course through grade forgiveness.)

#### A. Lower Division (3 Units):

Course #	Course Title	Units	Prerequisites
KIN 70	Introduction to Kinesiology	3	N/A

**B. Upper Division (20 Units):** KIN 70, completion of GE Math Area B4, BIOL 65 or BIOL 65O, BIOL 66, and CHEM 30A are prerequisites for upper division KIN courses and are required for graduation. CPR certification is strongly recommended by the time of graduation.

Course #	Course Title	Units	Prerequisites (C- or better)
KIN 155	Exercise Physiology	3	KIN 70; Math Area B4; CHEM 30A; BIOL 66
KIN 158	Biomechanics	3	KIN 70; Math Area B4; BIOL 65 or BIOL 65O
KIN 160 or KIN 161 or KIN 164	History of Sport & Physical Education Philosophical Perspectives of Sport Social Cultural Perspectives	3	KIN 70 KIN 70 KIN 70
KIN 165 or KIN 166	Motor Development Motor Learning  <b>[note: <u>some specializations require both KIN 165 &amp; KIN 166</u>, so the student will take one to satisfy the core requirement and the other to satisfy the specialization requirement]</b>	3	KIN 70 KIN 70; BIOL 66
KIN 175	Measurement and Evaluation	3	KIN 70; Math Area B4
KIN 185	Senior Seminar	1	KIN 70; senior status
KIN ____ KIN ____ KIN ____ KIN ____	KIN Activity Courses (4 activity courses from 4 of 6 different movement areas – see page 13)	4	See next page for movement area categories

**Note:** The 4 activity courses are **in addition** to the 2 unit physical education university graduation requirement.

[\(Back to Areas of Specialization\)](#)

**ACTIVITY COURSE MOVEMENT AREAS**  
For activity courses in KIN major and KIN minor\*\*

Area 1 Combatives	Area 2 Fitness	Area 3 Dance	Area 4 Individual/ Dual	Area 5 Team	Area 6 Adventure
Aikido	Aerobics	Ballet	Archery	Basketball	Hiking/ Backpacking
Judo	Body Sculpting	Latin	Badminton	Ice Hockey	Kayaking
Karate	Cardio- Kick Boxing	Line/Country Western	Bowling	Rugby	Sailing
Self-Defense	Fitness Walking	Lindy Hop/Night Club Swing	Golf	Rowing	Scuba
Tae Kwon Do	Jogging	Jazz	Gymnastics	Soccer	
Brazilian Jiu Jitsu (BJJ)	Pilates	Modern	Handball	Volleyball	
	Step Training	Social	Ice Skating	Water Polo	
	Tai Chi	Tap	Racquetball	Athletics: Team	
	Weight Training		Swimming		
	Yoga		Table Tennis		
			Tennis		
			Water Safety Instructor		
			Athletics: Individual		
<a href="http://www.sjsu.edu/kinesiology/programs/activity_program/descriptions">http://www.sjsu.edu/kinesiology/programs/activity_program/descriptions</a>					

NOTE: (1) Because the KIN Department believes that the benefits of physical activity are obtained more by process than by product alone, the 4 unit activity requirement for the major core cannot be challenged. (2) The activity requirement for the KIN major core requires students to take 4 different activities in 4 different movement areas regardless of the unit value assigned. (3) Intercollegiate athletes may use 1 unit of ATH one time towards meeting the Physical Education requirement. (4) Transfer activity classes will likely count for major credit; please check with your advisor.

**\*\*KIN-Prep for Teaching majors are required to take one class from 8 movement/activity areas: Adventure, Dance, Fitness, Gymnastics, Individual/Dual, Racket, Self-Defense, Team**

### III. COMPLETE COURSEWORK FOR A SELECTED AREA OF SPECIALIZATION IN KINESIOLOGY

Specialization coursework, along with the Kinesiology Core courses, is typically undertaken during the junior and senior years following completion of General Education requirements. Specialization coursework can be taken simultaneously with the Core Curriculum.

In our department, you have the possibility of earning one of two degrees: B. S. Kinesiology (with one specialization) and B.S. Kinesiology, Preparation for Teaching. [Last class for B. S. Athletic Training was admitted Fall 2019 (program discontinued thereafter)]

Earning a **B.S. in Kinesiology** requires successful completion of one of the following five specialization areas:

**Exercise & Fitness Specialist**

**Rehabilitation Science**

**Inclusive Physical Activity in Communities (IPAC)**

**Sport Management & Culture**

**Individualized Studies**

**Transfer Curriculum Studies (Only for students with an earned AA-T in Kinesiology)**

Earning a **B.S. in Kinesiology, Preparation for Teaching** degree requires successful completion of the Kinesiology, Preparation for Teaching curriculum.

For a Bachelor of Science degree in Kinesiology or Kinesiology, Preparation for Teaching, students must successfully complete all General Education requirements (Core and SJSU Studies), the kinesiology core coursework, as well as the required coursework in one of the specializations or Preparation for Teaching curriculum.

### IV. COMPLETE THE KINESIOLOGY INTERNATIONAL EXPERIENCE REQUIREMENT

To satisfy the Department of Kinesiology international experience requirement, students have the option of completing a study abroad program for at least nine days in an approved program; exemptions and alternatives must be approved by the dean of the College of Health and Human Sciences (i.e., based on compelling individual life experiences or physical limitations). Specific details can be found on the college website at: <http://www.sjsu.edu/chhs/international-experience/>.

## Exercise and Fitness Specialist

1. This area of specialization is designed for students who are interested in future careers in the areas of exercise and fitness. Coursework is designed to develop knowledge and skills to work in cardiac rehabilitation or a variety of fitness and exercise related professions.
2. To fulfill GE areas B4 and D1, STAT 95 and PSYC 1 are recommended.

<b>Exercise and Fitness Specialist Subcore</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Units</b>	<b>Prerequisites (C- or better)</b>
KIN 147	Biomechanical Assessment of Movement	3	KIN 158
KIN 151 or KIN 152 or KIN 153	Sport and Fitness Marketing ( <b>fall only</b> )  Theory of Sport and Fitness Management  Sport Facility and Event Management ( <b>spring only</b> )	3	KIN 70  KIN 70  KIN 70, KIN 152
KIN 154 B	ECG Interpretation & Graded Exercise Testing	3	KIN 70, KIN 155
KIN 157	Physiological Assessment	3	KIN 70, CHEM 30, BIOL 66; KIN 155
KIN 162	Advanced Fitness Assessment & Exercise Prescription ( <b>fall only</b> )	3	KIN 70, KIN 155
KIN 165 or KIN 166	Motor Development  ( <b>whichever not taken in KIN core</b> )  Motor Learning	3	KIN 70  KIN 70, BIOL 66
KIN 167 or KIN 168 or KIN 176	Sport Psychology  Psychology of Coaching  Exercise Psychology ( <b>fall only</b> )	3	PSYC 1  KIN 70  PSYC 1
KIN 187	Clinical Exercise Physiology	3	KIN 70, KIN 155
KIN 198	Internship in Kinesiology	2	KIN 70, Internship Manager consent
	<b>Total Subcore Units</b>	<b>26</b>	
<b>Guided Elective Classes (choose from the following)</b>			
	<b>Maximum of two (2) nutrition, one (1) sport management, and one (1) psychology course may be used as guided electives. Subcore and guided electives cannot be double counted. Other guided electives may be approved by Department advisor.</b>	<b>12</b>	
KIN 69	Stress Management (GE: E)	3	
KIN 156	Introduction to Adapted Physical Activity	3	KIN 70
KIN 167 or KIN 168 or KIN 176	Sport Psychology  Psychology of Coaching  Exercise Psychology ( <b>fall only</b> )  ( <b>whichever not taken in EFS subcore</b> )	3  3  3	PSYC 1  KIN 70  PSYC 1
KIN 169	Diversity, Stress and Health (GE: S)		WST
KIN 180	Individualized Studies	3	KIN 70

KIN 188	Prevention and Care of Athletic Injuries (lecture)	2	KIN 70, BIOL 65 or BIOL 65O, or instructor consent
KIN 189	Prevention and Care of Athletic Injuries (lab)	1	KIN 70, KIN 189 or concurrent enrollment
NUFS 8 or NUFS 9	Nutrition for Health Professions Introduction to Nutrition (GE: E)	3 3	CHEM 30A or CHEM 1A
NUFS 123	Nutrition for Sport	3	NUFS 8 or NUFS 9
NUFS 116	Aging and Nutrition	3	One college nutrition course or instructor consent
KIN 145	Physical Activity for Older Adults	3	KIN 70
KIN 151 or KIN 152 or KIN 153	Sport and Fitness Marketing ( <b>fall only</b> ) Theory of Sport and Fitness Management Sport Facility and Event Management ( <b>spring only</b> ) ( <b>whichever not taken for EFS subcore</b> )	3	KIN 70 KIN 70 KIN 70
<b>Total Units</b>		<b>38</b>	

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## Rehabilitation Science

1. This area of specialization is designed for students who are interested in allied health professions, such as physical therapy, chiropractic, and physician’s assistant. Coursework is designed to develop knowledge and skills in order to pursue a future in physical therapy, chiropractic, medical school, or other health or rehabilitation careers.
2. To fulfill GE areas B4 and D1, STAT 95 and PSYC 1 are recommended.
3. For students applying to PT school or PTA school, Biol 129 and KIN 187 are recommended. Biol 129 serves as an upper division biology course and both Biol 129 and KIN 187 often lead to “bonus points” for PT/PTA applicants.

<b>Rehab Science Subcore</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Units</b>	<b>Prerequisites (C- or better)</b>
CHEM 1A	General Chemistry	5	Check university catalog
CHEM 1B	General Chemistry	5	Check university catalog, <b>C or better in CHEM 1A</b>
PHYS 2A	Fundamentals of Physics	4	Algebra
PHYS 2B	Fundamentals of Physics	4	PHYS 2A
KIN 147	Biomechanical Assessment of Movement	3	KIN 158
KIN 157	Physiological Assessment	3	KIN 70, CHEM 30, BIOL 66; KIN 155
KIN 165 or KIN 166	Motor Development  (whichever not taken in KIN core)  Motor Learning	3	KIN 70  KIN 70, BIOL 66
KIN 176 or KIN 187	Exercise Psychology (fall only)  Clinical Exercise Physiology	3	PSYC 1  KIN 70, KIN 155
KIN 198	Internship in Kinesiology	2	KIN 70, Internship Manager consent
	<b>Total Subcore Units</b>	<b>32</b>	
<b>Guided Elective Classes</b>			
	<b>Guided Electives (choose from the following; other guided electives may be approved by Departmental Advisor):</b>	<b>6</b>	
KIN 145	Physical Activity for Older Adults	3	KIN 70 or instructor consent
KIN 156	Introduction to Adapted Physical Activity	3	KIN 70
KIN 159	Sport and Adapted Activities	3	KIN 70
KIN 163	Physical Fitness and Nutrition (GE: R)	3	WST
KIN 169	Diversity, Stress, and Health (GE: S)	3	WST
KIN 167 or KIN 176 or KIN 187	Sport Psychology  or Exercise Psychology  or Clinical Exercise Physiology	3  3  3	PSYC 1  PSYC 1  KIN 70, KIN 155
KIN 180	Individualized Studies	1-3	Instructor/advisor consent required
STAT 95	Elementary Statistics (GE: B4)*	3	Satisfaction of ELM requirement & two (2) years of high school algebra



			*may NOT be used as Guided Elective if being used to satisfy B4 math requirement
PSYC 1	General Psychology (GE: D1)	3	
PSYC 110	Abnormal Psychology	3	PSYC 1
BIOL 109	Human Neuroanatomy & Physiology	4	BIOL 65 or instructor consent
BIOL 129/PSYC 129	Neuroscience	3	Either (a) PSYC 030 and 3 units of BIOL, or (b) 9 units of BIOL
<b>Total Units</b>		<b>38</b>	

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## Inclusive Physical Activity in Communities Specialization

The Inclusive Physical Activity in Communities (IPAC) area of specialization would prepare students to work and teach in the community, with an emphasis on working with special populations, particularly individuals with disabilities and older adults. This emphasis area can also serve as undergraduate-level preparation for a Masters in Occupational Therapy (please see note after the listed required coursework). This curriculum provides students with the specialized skills and knowledge to provide effective service delivery to individuals with disabilities, older adults, and other diverse populations in a physical activity setting. Students in this area of specialization will develop competencies in planning, assessing, coordinating, implementing, evaluating and advocating appropriate inclusive physical activity across the lifespan. This area would prepare students for careers in a variety of fields including: infant/toddler programs, physical activity for older adults in recreation or residential facilities, spinal cord injury rehabilitation centers, aquatic facilities, residential/seasonal camps, health/fitness clubs, disability sport programs, after school/community transition sites, etc.

<b>IPAC Subcore</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Units</b>	<b>Prerequisites (C- or better)</b>
KIN 107	Adapted Aquatics	1	KIN 70
KIN 153 or RECL 97	Sport Facility and Event Management ( <b>spring only</b> )  Event Planning	3	KIN 70  Instructor consent
KIN 156	Introduction to Adapted Physical Activity	3	KIN 70
KIN 159	Sport and Adapted Activities	3	KIN 70
KIN 165 or KIN 166	Motor Development Motor Learning (whichever not taken in core)	3	KIN 70 KIN 70, BIOL 66
KIN 174	Assessment of Psychomotor Function	3	KIN 70
KIN 187	Clinical Exercise Physiology	3	KIN 70, KIN 155
KIN 198	Internship in Kinesiology	3	KIN 70; Intern Manager consent
EDSE 14A	American Sign Language I	3	
RECL 112	Introduction to Therapeutic Recreation Services	3	Upper Division Standing
	<b>Total Subcore Units</b>	<b>28</b>	
<b>Guided Elective Classes</b>			
	<b>Guided Electives (choose from the following; other guided electives may be approved by Department advisor):</b>	<b>10</b>	
KIN 145	Physical Activity for Older Adults	3	KIN 70 or instructor consent
KIN 162	Advanced Fitness Assessment & Exercise ( <b>fall only</b> )	3	KIN 70, KIN 155
KIN 167	Sport Psychology	3	KIN 70, PSYC 1
KIN 168	Psychology of Coaching	3	KIN 70
KIN 180	Individualized Studies	3	KIN 70
ART 46 or other acceptable skills class	Introduction to Ceramics ** (or other acceptable skills class such as textile or painting. Consult advisor and see	3	

	<a href="http://info.sjsu.edu/web-dbgen/catalog/departments/ART-courses.html">http://info.sjsu.edu/web-dbgen/catalog/departments/ART-courses.html</a>		
STAT 95	Elementary Statistics (GE: B4)	3	Satisfaction of ELM requirements & two years of high school algebra
OCTH 190	Foundations of Neuroscience for Occupational Therapy ( <b>spring and summer only</b> )**	3	Biol 65 or Biol 65O , Biol 66
GERO 107	Aging and Society (GE:S)	3	WST
RECL 110	Leisure, Life, & Contemporary Society	3	Upper Division Standing
HSPM 185	Leisure, Recreation & Aging	3	Upper Division Standing
NUFS/KIN 163	Physical Fitness and Nutrition (GE: R)	3	WST
NUFS 116	Aging and Nutrition	3	One college nutrition course or instructor consent
PSYC 110	Adult Psychopathology **	3	PSYC 1
	<b>Total Units</b>	<b>38</b>	

\*\*SJSU Pre-OT students must have select prerequisites completed before applying for the Entry-Level Master's Program. It is suggested that all asterisk courses listed above be taken in the core or upper General Education requirements at SJSU. ALL SJSU OT ENTRY-LEVEL MASTER'S PROGRAM PREREQUISITE COURSEWORK MUST BE PASSED WITH A GRADE OF 'B' OR HIGHER. Complete information about the Entry-Level Master's Program is available at [www.sjsu.edu/occupationaltherapy/advising](http://www.sjsu.edu/occupationaltherapy/advising).

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## Individualized Studies Specialization

This area of specialization is designed to provide students with the opportunity to develop an individualized program of study. This pathway to the baccalaureate degree may be of particular interest to students needing considerable flexibility in designing a program of study to facilitate pursuit of an advanced degree or a specific career (e.g. sport broadcasting). All coursework beyond the core must be selected in consultation with the student's academic adviser and is expected to form a coherent program of study that meets the student's personal and professional goals.

Course #	Course Title	Units
KIN 198	Internship in Kinesiology	1-3
	Upper Division Kinesiology Coursework selected in consultation with the student's academic advisor	18
	Upper or Lower Division Electives in Kinesiology or a related field selected in consultation with Departmental Advisor	17-19
	<b>TOTAL UNITS</b>	<b>38</b>

1. The curriculum should evidence breadth and depth of understanding in a specific area of interest within the field of Kinesiology.
2. The program should exhibit a specific area of interest within Kinesiology as a focal point.
3. The program should include 18 upper division kinesiology coursework units (in addition to the core requirements), which includes 1-3 units of internship/fieldwork. The program should include 17-19 upper or lower division electives in kinesiology or a related field selected in consultation with departmental advisor.
4. The program should conform to the career objectives submitted as a part of the formal Individualized Studies Proposal.
5. All courses should be adequately justified as a logical inclusion in this program.
6. The program must be submitted at least 30 units prior to the student's anticipated graduation date.

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# APPLICATION FOR INDIVIDUALIZED STUDIES SPECIALIZATION

A. Career Objective:

B. Rationale for Inclusion of Each Course Outlined Below: (may use separate sheet of paper as needed)

C. Proposed Individualized Studies Curriculum:

<u>Dept/Course #</u>	<u>Course Title</u>	<u>Units</u>	<u>Completed</u>
<b>TOTAL UNITS</b>		<b>(38)</b>	

**APPROVED:**

\_\_\_\_\_

Advisor

\_\_\_\_\_

Date

\_\_\_\_\_

Advising Manager

\_\_\_\_\_

Date

\_\_\_\_\_

Undergraduate Coordinator

\_\_\_\_\_

Date

## Sport Management and Culture Specialization

1. The purpose of the Sport Management and Culture (SMC) specialization is to provide an interdisciplinary understanding of sport management with a particular focus on social and cultural issues. Social justice and diversity issues will be highlighted from a critical cultural studies perspective. Additionally, students interested in sports studies will also gain a background in sport management, strengthening their professional preparation.
2. To fulfill GE areas B4 and D1, STAT 95 and PSYC 1 are recommended.

<b>Sport Management &amp; Culture Subcore</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Units</b>	<b>Prerequisites (C- or better)</b>
KIN 151	Sport and Fitness Marketing ( <b>fall only</b> )	3	KIN 70
KIN 152	Theory of Sport and Fitness Management ( <b>fall only</b> )	3	KIN 70
KIN 153	Sport Facility and Event Management ( <b>spring only</b> )	3	KIN 70, KIN 152
KIN 160 <b>and</b> KIN 161 <b>and</b> KIN 164	Sport History  Philosophical Perspectives of Sport  Sociocultural Perspectives <i>(whichever 2 classes not taken in the core)</i>	6	KIN 70  KIN 70  KIN 70
KIN 167 <b>or</b> KIN 168	Sport Psychology  Psychology of Coaching	3	KIN 70, PSYC 1  KIN 70
KIN 198	Internship in Kinesiology (1)	3	KIN 70, Internship Manager consent
KIN 180 <b>or</b> KIN 198	Independent Study  Internship in Kinesiology (2)	1-3	KIN 70  Internship Manager consent
	<b>Total Subcore Units</b>	<b>22-24</b>	
<b>Guided Electives</b>			
	<b>Guided electives (to be selected in consultation with Departmental Advisor; a maximum of 6 units may be taken at the Lower Division level) OR a Minor in Business, Sociology, Psychology, Journalism, or other area selected in consultation with Departmental Advisor</b>	<b>14-16</b>	
AAS 175	Asian American Communities	3	
AFAM 155	The Triumph and Tragedy of Black Athletes in US History	3	
KIN 111	Sport & Movement in a Global Context (GE: V)	3	
KIN 167 <b>or</b> KIN 168	Sport Psychology  Psychology of Coaching  <b>(whichever not taken in SMC subcore)</b>	3	KIN 70, PSYC 1  KIN 70

KIN 169	Diversity, Stress and Health (GE: S)	3	WST
KIN 176	Exercise Psychology ( <b>fall only</b> )	3	Psych 1
BUS3 160	Fundamentals of Management & Organizational Behavior	3	
RECL 151	Planning & Development of Tourism and Event Enterprises	3	Upper division standing
MAS 130	Chicanas and Chicanos in American Society (GE: S)	3	WST
PSYC 154	Social Psychology	3	PSYC 1
SOC 172	LGBT Studies	3	SOC 1
SOC 175	Masculinities and Femininities	3	SOC 1
WOMS 160	Women, Race and Class		WOMS 10, WOMS 20, WOMS 101 or instructor consent
	<b>Total Units</b>	<b>38</b>	

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## Kinesiology, Preparation for Teaching (for B.S. Kinesiology, Preparation for Teaching)

This **major** is designed for students interested in becoming physical education (PE) and/or adapted physical education (APE) teachers in kindergarten through 12<sup>th</sup> grade (K-12) schools. The purpose of the Kinesiology, Preparation for Teaching (KIN-Prep for Teaching) program is to prepare students to be well-rounded physical activity professionals, to teach, coach, motivate, and shape the lives of K-12 students. Students in the KIN-Prep for Teaching program learn and practice a wide range of skills, including how to integrate technology, assess learning, design lessons, and modify their instruction to meet the unique needs of their students, including students with disabilities. Completion of this major also fulfills coursework required for an Adapted Physical Education Added Authorization (APEAA).

Note: To attain a single subject credential in Physical Education with or without the APEAA, students must complete a post-baccalaureate credential program. Students must have a GPA of 2.75, either cumulative or in their last 60 units earned, to be accepted to the credential program. More information about the credential program at SJSU, including other application requirements can be found here: [http://www.sjsu.edu/secondary/apply\\_now](http://www.sjsu.edu/secondary/apply_now)

Course #	Course Title	Units	Prerequisites (C- or better)
KIN 105	Water Safety Instruction ( <b>spring only</b> )	2	Min. age of 18
KIN 107	Adapted Aquatics	1	KIN 70 or instructor consent
KIN 156	Introduction to Adapted Physical Activity	3	KIN 70 or instructor consent
KIN 159	Sport and Adapted Activities	3	KIN 70 or instructor consent
KIN 165 or KIN 166	Motor Development Motor Learning (whichever not taken in the core)	3	KIN 70 or instructor consent KIN 70, BIOL 66
KIN 168	Psychology of Coaching	3	KIN 70 or instructor consent
KIN 170 B	Field Experience - Teaching	3	KIN 70 or instructor consent
KIN 170 C	Field Experience – Adapted Physical Activity	3	KIN 70 or instructor consent
KIN 172	Elementary School Programs ( <b>spring only</b> )	3	KIN 70; co-req KIN 170B or KIN 170C
KIN 173	Introduction to Teaching PE & Non-Traditional Sports & Activities ( <b>fall only</b> )	3	KIN 70 or instructor consent; co-req KIN 170B or KIN 170C
KIN 174	Assessment of Psychomotor Function	3	KIN 70 or instructor consent
KIN 178	Management Practices for Physical Education Teachers ( <b>fall only</b> )	3	KIN 70 or instructor consent; KIN 172 or concurrent enrollment; upper division standing; co-req KIN 170B or KIN 170C
KIN 179	Design and Assessment of Movement Experiences ( <b>spring only</b> )	3	KIN 70 or instructor consent; KIN 158, KIN 166, KIN 178; co-req KIN 170B or KIN 170C
	2 Activity Courses** (in addition to KIN core and graduation requirements) **KIN-Prep for Teaching majors are required to take one class from 8 activity areas: Adventure, Dance, Fitness, Gymnastics, Individual/Dual, Racket, Self-Defense, Team	2	
<b>Total Units</b>		<b>38</b>	

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## Transfer Curriculum Studies Option

This pathway to the baccalaureate degree in Kinesiology is specifically designed to meet California Law (STAR Act: SB1440) regarding unit requirements following transfer into San José State University from a community college in California. This option enables transfer students who enter with a completed 60-unit Kinesiology transfer curriculum to develop, in collaboration with their Kinesiology academic advisor, a program of study that meets their personal and professional goals. *Students are required to have earned an AA-T or ADT in Kinesiology to pursue the transfer curriculum studies option* in the Department of Kinesiology.

Course #	Course Name	Units	Prerequisites (C- or better)
KIN 198	Internship	3	Kin 70
KIN upper division electives		15	Kin 70
Electives (upper or lower division)		3	
CHEM 30a or Kin upper/lower division elective		3	
Total		24	

All students pursuing this option also need to complete the following, for a total of 60 units:

- 21 Units      Kinesiology Core Courses
- 9 Units        SJSU Studies/American Institutions
- 3 Units        KIN 100W
- 3 Units        CHEM 30A or University Elective

Note: The Kinesiology Transfer Model Curriculum (TMC) Coursework completed prior to transfer will meet the KIN 70, Human Anatomy (BIOL 65 or BIOL 65O) and Physiology (BIOL 66) requirements at SJSU, and will include 3 activity courses from 3 different activity areas. In addition, the GE B4 math course will be completed as part of the GE lower division requirements.

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**DEPARTMENT OF KINESIOLOGY**

**UNDERGRADUATE COURSE DESCRIPTIONS**

<b>COURSE #</b>	<b>COURSE TITLE &amp; DESCRIPTION</b>
<b>KIN 068</b>	<b>Visual Representations of Sport in Popular Culture.</b> Critical examination of visual representations of sport in popular culture. Facilitate a deeper understanding and appreciation of the artistic qualities that exemplify works of human creativity as related to sport. GE Area: C1. 3 units.
<b>KIN 069</b>	<b>Stress Management: A Multidisciplinary Perspective.</b> The stress process and its relation to health, disease, lifestyle, and the sociocultural environment. Physiological, psychological, sociological, and environmental parameters of stress across the lifespan, emphasizing university resources and stress management strategies to enhance academic, personal, and social development. GE Area: E. 3 units.
<b>KIN 070</b>	<b>Introduction to Kinesiology.</b> Explores the broad spectrum of kinesiology as an academic discipline, fundamental concepts and meaning of movement/physical activity, diversity of humans as moving beings, professional/career options, current issues, personal characteristics/professional responsibilities, Kinesiology at SJSU; initiates professional portfolio. <b>Required for KIN major/minors only.</b> Lecture 2 hrs/activity 2 hrs. 3 units.
<b>KIN 100W</b>	<b>Writing Workshop.</b> Advanced skill in writing. Development of writing style and creation of organized, persuasive and analytical prose. Generalized and specialized forms of writing. Prerequisite: Registration for the WST requires completion of an English 1A course (GE Area A2) and a critical thinking course (GE Area A3) with a "C-" or better. <b>GE: Z.</b> 3 units.
<b>KIN 101**</b>	<b>Sport in America.</b> The role of sport (recreational and professional) as a social, political and economic institution in American society. Critical examination of contemporary issues affecting sport and sport involvement by diverse cultural groups within American society. Prerequisite: Passage of the Writing Skills Test (WST) or ENGL/LLD 100A with a C or better (C- not accepted), completion of Core General Education and upper division standing are prerequisites to all SJSU studies courses. Completion of, or co-registration in, 100W is strongly recommended. GE: S. <b>**Note: KIN 101 is not open to KIN majors or minors for major/minor credit.</b> 3 units.
<b>KIN 105</b>	<b>Water Safety Instructor's Course.</b> Designed to teach the basic concepts, skills, and knowledge for successful teaching in the American Red Cross aquatics program. The content and requirements are in accordance with the American Red Cross and criterion set for by the organization. Prerequisite: Minimum age of 18. Misc/Lab: Lecture 1 hr/activity 2 hrs. 2 units.
<b>KIN 107</b>	<b>Adapted Aquatics.</b> Theories, techniques, and practice in the instruction of persons with disability as they function in the aquatic environment. Prerequisite: Kin 70 for majors/minors only or instructor consent. Misc/Lab: Activity 2 hrs. 1 unit.
<b>KIN 111</b>	<b>Sport &amp; Movement in a Global Context.</b> Human expression through sport, games, and movement in cultures outside the US, and how those expressions have changed over time. Exploration of how sporting traditions in cultures outside the US have influenced US culture and society. GE Area: V Prerequisite: Passage of WST or ENGL/LLD 100A with a C or better, upper division standing, completion of CORE GE. 3 units.
<b>KIN 145</b>	<b>Physical Activity for Older Adults.</b> Analyses of development and implementation processes of exercise programs for older adults. Prerequisite: KIN 70; open to KIN major/minors only or instructor consent. 3 units.
<b>KIN 147</b>	<b>Biomechanical Assessment of Movement.</b> Designed to assist the student in becoming familiar and proficient with the Biomechanical methods and equipment for assessing human movement performance characteristics with the following goals: improving movement effectiveness, preventing injuries, and assessing rehabilitation progress. Prerequisite: KIN 158. Misc/Lab: Lecture 1 hour/activity 4 hours. 3 units.
<b>KIN 149</b>	<b>Child Health and Physical Activity.</b> An integrative approach to understanding the multiple factors that impact children's health and physical fitness and that influence the development of lifelong habits. Emphasis is on the inter-relationships between health and fitness and cognitive, social, and emotional well-being. Prerequisite: CHAD 060 or instructor consent. 3 units.

<b>KIN 151</b>	<b>Sport and Fitness Marketing.</b> Designed to apply marketing principles and processes to the sport and fitness industry. Content will focus on the sport and fitness product, consumer behavior, consumer satisfaction/dissatisfaction and the customer experience in sport and fitness organizations. Prerequisite: Kin 70 for major/minors only or instructor consent. 3 units. Fall only.
<b>KIN 152</b>	<b>Theory of Sport and Fitness Management.</b> Basic theory of sport management. Topics include: sport management and organizational skills; sport marketing and sales; sport communication; sport finance; economics, law and governance. Prerequisite: Kin 70 for majors/minors only or instructor consent. 3 units.
<b>KIN 153</b>	<b>Sport Facility and Event Management.</b> Provide students with the skills necessary to effectively manage sport and fitness facilities and events. Prerequisite: Kin 70; Kin 152 for sports management emphasis, or instructors consent. 3 units. Spring only.
<b>KIN 154 B</b>	<b>ECG Interpretations and Graded Exercise Testing.</b> Theoretical background and practical proficiency in the methods and instruments of electrocardiogram interpretations and graded exercise testing. Prerequisites: Kin 70; KIN 155 with grades of 'C-' or better in each. Misc/Lab: Lecture 2 hours/activity 2 hours. 3 units.
<b>KIN 155</b>	<b>Exercise Physiology.</b> Physiological responses and adaptations of the human organism to physical activity. Prerequisites: Kin 70; Bio 66 and Chem 30A with a grade of 'C-' or better in each; approved GE Math Concept course. Open to majors/minors only. Misc/lab: Lecture 2 hours/activity 2 hours. 3 units.
<b>KIN 156</b>	<b>Introduction to Adapted Physical Activity.</b> Focus on attitude change as well as knowledge, comprehension and application of human movement principles related to individuals with disabling conditions. Prerequisites: Kin 70 for majors/minors only or instructor consent. 3 units
<b>KIN 157</b>	<b>Physiological Assessment.</b> Use of exercise physiology instrumentation to assess physiological characteristics of human performance, interpret results, and implement corrective strategies, when appropriate. Prerequisites: KIN 70; Chem 30A ('C-' min. grade); KIN 155 (C- min. grade). Misc/Lab: Lecture 1hr/activity 4 hrs. 3 units.
<b>KIN 158</b>	<b>Biomechanics.</b> Relationship of structural and mechanical principles of the musculoskeletal system to the analysis of human performance. Prerequisite: KIN 070; BIOL 065 with a grade of 'C-' or better; approved GE Math Concept course. Open only to KIN majors/minors, or instructor consent. Misc/Lab: Lecture 2 hours/activity 2 hours. 3 units.
<b>KIN 159</b>	<b>Sport and Adapted Activities.</b> Principles of kinesiology for adapting sport and activity for individuals with disabling conditions. Prerequisite: Kin 70 for majors/minors only or instructor consent. Misc/Lab: Lecture 2hrs/activity 2 hrs. 3 units.
<b>KIN 160</b>	<b>History of Sport and Physical Education.</b> Historical survey of physical education and sport from primitive societies through classical and medieval periods to 19th-20th century. Development of sport, physical education, and recreation in the U.S. and factors affecting their growth. Prerequisite: Kin 70 for majors/minors only or instructor consent. 3 units.
<b>KIN 161</b>	<b>Philosophical Perspectives of Sport.</b> Emphasis on systems of philosophy, aesthetic and moral considerations, metaphysical fitness, and contemporary issues. Review of leading human movement theorists. Prerequisite: Kin 70 for majors/minors only or instructor consent. 3 units
<b>KIN 162</b>	<b>Advanced Fitness Assessment and Exercise Prescription.</b> In-depth study and analysis of the principles and techniques used in the assessment of physical fitness and health as well as the design of conditioning programs and physical activities. Prerequisite: KIN 070 (or equivalent) for majors/minors only and KIN 155, or instructor consent. Grade of 'C-' or better in KIN 070 and KIN 155. Misc/Lab: Lecture 2 hours/Activity 2 hours. 3 units. Fall only.
<b>KIN 163</b>	<b>Physical Fitness and Nutrition.</b> Use of scientific principles, scientific investigation, and current technological advances to assess the relationship between diet, physical fitness, and disease. Examine scientific literature to evaluate the effects of nutritional intervention on exercise performance. Prerequisite: Passage of the Writing Skills Test (WST) or ENGL/LLD 100A with a C or better (C- not accepted), completion of Core General Education and upper division standing are prerequisites to all SJSU studies courses. Completion of, or co-registration in, 100W is strongly recommended. Notes: Not

	for Nutrition majors or minors. Major credit for Kinesiology majors possible with KIN advisor's approval. <b>GE: R.</b> 3 units.
<b>KIN 164</b>	<b>Sociocultural Perspectives.</b> Sociocultural processes of sport and play in contemporary society. The study of phenomena arising out of group relations within the realm of kinesiology. Prerequisites: Kin 70 for majors/minors only or instructor consent or lower division social science core GE. 3 units
<b>KIN 165</b>	<b>Motor Development.</b> Motor development of the individual from birth to maturity. Emphasis upon motor behavior, needs, capacities and interest. Prerequisite: Kin 70 for majors/minors only or instructor consent. 3 units.
<b>KIN 166</b>	<b>Motor Learning.</b> Concepts, principles, and theories of motor learning with application to physical activities. Prerequisite: Kin 70 or instructor consent; Bio 66 (C- or better). Lecture 2 hrs/lab 2 hrs. 3 units.
<b>KIN 167</b>	<b>Sports Psychology.</b> See Psych 167. Psychological aspects of sports, including the value of sports, psychological factors involved in competitive as well as non-competitive athletic activities, and the role of sports psychologists. Prerequisite: PSYC 1. 3 units.
<b>KIN 168</b>	<b>Psychology of Coaching.</b> Social, clinical, child, measuring, industrial, personality, and organizational psychology and the practical application of the material to coaching. Prerequisite: Kin 70 for major/minors only or instructor consent. 3 units.
<b>KIN 169</b>	<b>Diversity, Stress and Health.</b> Impact of structured inequalities on stress and health of diverse populations. Analysis of physiological/psychosocial health factors related to diversity, as well as behavioral interventions and social actions that mediate stress and optimize health and social justice. Prerequisite: Passage of the Writing Skills Test (WST) or ENGL/LLD 100A with a C or better (C- not accepted), completion of Core General Education and upper division standing are prerequisites to all SJSU studies courses. Completion of, or co-registration in 100W is strongly recommended. Major credit for Kinesiology majors possible with KIN advisor's approval. <b>GE: S.</b> 3 units.
<b>KIN 170B</b>	<b>Field Experience Teaching.</b> Practical experiences to satisfy certification requirement in off-campus or field-based programs. May be repeated for a maximum of 4 units. Prerequisites: Kin 70 or consent of instructor; concurrent enrollment in Kin 172, Kin 173, Kin 178 or Kin 179. Repeatable for credit. C / NC grading.
<b>KIN 170C</b>	<b>Fieldwork in Adapted Kinesiology.</b> Supervised experiences in adapted physical activity at selected public and private agencies. Prerequisites: Kin 70 for majors/minors only or consent of instructor; Kin 156. Concurrent enrollment in Kin 172 or Kin 178 or Kin 179. Repeatable for credit. C / NC grading. 1-3 units.
<b>KIN 172</b>	<b>Elementary School Programs, K-6.</b> Philosophy, principles, and activities of physical education appropriate for children. Prerequisites: Kin 70 or instructor consent: Kin 165 or Kin 173; Co requisites: Kin 198. Misc/Lab: Lecture/activity 4 hrs. 3 units. Spring only.
<b>KIN 173</b>	<b>Introduction to Teaching Physical Education &amp; Non-Traditional Sports.</b> This course will introduce future physical educators to profession of teaching and will include philosophies, ethics, and standards for teaching, legal and current issues, learning-communities, inclusion of non-traditional and global games and sport activities, and observations of effective teaching. Prerequisite: KIN 070 for majors/minors only or instructor consent. Co-requisite: KIN 170B. 3 units. Fall only.
<b>KIN 174</b>	<b>Assessment of Psychomotor Function.</b> Basic procedural elements of informal observation, formal performance testing and direct measures of psychomotor function of individuals with disabling conditions. Prerequisites: Kin 70 for declared majors/minors or instructor consent. 3 units.
<b>KIN 175</b>	<b>Measurement and Evaluation in Kinesiology.</b> Designed to develop an understanding of measurement and evaluation concepts and application relevant to assessment in the psychomotor, cognitive and affective domains. Activities include collection and computer analysis of data. Prerequisite: Kin 70 for majors/minors only or instructor consent; approved GE (B4) Math Concept Course. Misc/Lab: Lecture/activity 4 hrs. 3 units.
<b>KIN 176</b>	<b>Exercise Psychology.</b> Examines the psychological determinants and consequences of exercise and physical activity. Analysis and critique of research and theory relevant to exercise adherence,

	motivation, self-efficacy, and attributional style. Practical applications of theoretical concepts. Prerequisite: PSYC 1. 3 units.
<b>KIN 177</b>	<b>Movement Experiences for Children.</b> Physical Education K-6 curricular philosophy and activities appropriate for elementary school personnel; emphasizes the social, emotional, physical and skill development of children in the elementary school setting. Prerequisite: CHAD 60 or CHAD 67. Misc/Lab: Lecture 2 hrs/activity 2 hrs. 3 units. Fall only.
<b>KIN 178</b>	<b>Management Practices for Physical Education Teachers.</b> Examines current practices for managing student behaviors, instructional technology legal regulations, and physical fitness needs as well as exploring adolescent development. Prerequisite: Kin 70 for majors/minors only or instructor consent; Kin 172, KIN 171A or concurrent enrollment and upper division standing. Co-requisite: Kin 170B or Kin 170C. Misc/Lab: Lecture 2 hours/lab 2 hours. 3 units. Fall only.
<b>KIN 179</b>	<b>Design and Assessment of Movement Experiences.</b> Integrate concepts from kinesiology, motor learning, motor development to address sequential movement experiences, including qualitative analysis and interactions with performer. Prerequisite: Kin 70 for majors/minors only or instructor consent; Kin 158, Kin 166 and Kin 178. Co requisite: Kin 170B or Kin 170C. Misc/Lab: Lecture/activity 4 hours. 3 units. Spring only.
<b>KIN 180</b>	<b>Individual Studies.</b> Individual work on special topics by arrangement. Prerequisite: Kin 70 or instructor consent; Kinesiology major or minor, minimum GPA, 2.5 and intern manager consent. Repeatable for a total of 4 units. C / NC grading. 1-4 units.
<b>KIN 185</b>	<b>Senior Seminar in Kinesiology.</b> Problem-centered study of perspectives on human beings in motion; a culminating class for students to synthesize their undergraduate preparation, including completion of a professional portfolio and movement project. Prerequisites: Kin 70 majors/minors or instructor consent; 35 units of KIN upper division coursework; major form completed and signed by an advisor, advising manager, and undergraduate coordinator. 1 unit.
<b>KIN 186</b>	<b>Pharmacology in Sport Medicine.</b> Focuses on the basic pharmacology principles including legislation, administration, pharmacotherapeutics, drug classifications, and drug therapy and testing. Primary emphasis is placed upon pharmacology in the sports medicine arena. Prerequisite: A basic prevention and care of athletic injuries course is highly recommended. 3 units WINTER & ONLINE ONLY.
<b>KIN 187</b>	<b>Clinical Exercise Physiology.</b> Physiological principles applied to the prevention, management, and treatment of chronic health conditions. Focus on the pathophysiology, acute response to exercise, chronic training effects, and development of appropriate conditioning and training programs for chronic conditions. Prerequisite: KIN 070 (or equivalent) for majors/minors only or instructor consent; KIN 155; with grades of 'C-' or better in each. 3 units.
<b>KIN 188</b>	<b>Prevention and Care of Athletic Injuries.</b> Prevention through safe equipment, facilities and protective strapping. Methods used to aid recovery. Prerequisites: KIN 070, BIOL 065 with a grade of 'C-' or better, or instructor consent. Misc/Lab: Lecture/activity 4 hours. 2 units.
<b>KIN 189</b>	<b>Prevention and Care of Athletic Injuries Laboratory.</b> The laboratory course is designed to provide hands-on experience in the prevention and care of athletic injuries including preventative and supportive taping techniques, emergency management, and various hands-on experiences related to the prevention of activity related injuries. Prerequisites: Kin 70, Kin 188 or concurrent enrollment acceptable. 1 unit
<b>KIN 191A</b>	<b>Advanced Assessment of Lower Extremity Injuries.</b> An advanced course designed to develop knowledge and skills in recognition, assessment, and medical referral of athletic injuries to the lower extremity, thoracolumbar spine, posture and gait. Activity sessions are designed to assist in the development of clinical assessment skills. Prerequisites: Kin 70, Kin 188, Kin 189. Open only to majors/minors or instructor consent. 3 units. Fall only.
<b>KIN 191B</b>	<b>Advanced Assessment of Upper Extremity Injuries.</b> An advanced course designed to further develop knowledge and skills related to recognition, assessment, and appropriate medical referral of athletic injuries to the upper extremity, abdomen, thorax, cervical spine, head, and general medical conditions. Activity sessions are designed to assist in the development of clinical skills necessary to accurately

	assess the above mentioned pathologies. Prerequisites: Kin 70; Kin 191A. Misc/Lab: Lecture 2 hours/activity 3 hours. 3 units. Spring only.
<b>KIN 193</b>	<b>Organization &amp; Administration in Athletic Training.</b> Theoretical and practical information concerning organization and administration of a modern athletic training program, including managerial styles, personnel, facilities/equipment management, budget, medical records, insurance issues, legal aspects, public relations, and other current topics in athletic training. Prerequisite: Kin 70 for majors/minors only or instructor consent; Kin 188. 2 units. Fall only.
<b>KIN 194</b>	<b>Therapeutic Exercise.</b> Theoretical and clinical bases for the use of therapeutic exercise in rehabilitation settings; basic biomechanics, indications, contraindications, and proper application procedures of therapeutic exercise in athletic injury rehabilitation. Prerequisites: Pre/Co requisite: Kin 191A and Kin 191B. Misc/Lab: Lecture 2 hours/activity 2 hrs. 3 units. Fall only.
<b>KIN 195</b>	<b>Therapeutic Modalities.</b> Theoretical, clinical aspects of therapeutic modalities in athletic rehabilitation. Course includes the physics and physiological effects, indications and contraindications, as well as application procedures of various therapeutic modalities. Prerequisites: Kin 70 for majors/minors only or instructor consent, Kin 188, and upper division standing. Misc/Lab: Lecture 2 hours/activity 2 hours. 3 units. Spring only.
<b>KIN 197A</b>	<b>Practicum in Athletic Training I.</b> Introductory level supervised practical experiences at selected training clinical settings. Prerequisites: Bio 065 and Bio 066 with a grade of 'C' in each; Kin 188, Kin 189 and 50 hours of observation. Open only to KIN majors. Repeatable for credit. C/NC grading. 1 unit. Fall only.
<b>KIN 197B</b>	<b>Practicum in Athletic Training II.</b> Observations and experiences within the profession of athletic training to assist in developing required National Athletic Trainers' Association competencies. Interns supervised on a daily basis by a NATA-certified athletic trainer. Prerequisite: KIN 197A. Open only to KIN majors only. Repeatable for credit. C/NC grading. 1 unit. Spring only.
<b>KIN 197C</b>	<b>Practicum in Athletic Training III.</b> Clinical practicum in allied health-related situations, e.g., physician's office, physical therapy sports medicine clinic, etc. Typically off-campus assignment. Prerequisites: Kin 191A, Kin 191B (concurrent enrollment in Kin 191B is allowed), Kin 197B and professional insurance is recommended. Repeatable for credit. C/NC grading. 1 unit. Fall only.
<b>KIN 197D</b>	<b>Practicum in Athletic Training IV.</b> Course is designed to provide the student with advanced, diverse, supervised, and practical experiences in the athletic training profession. Selected on-an-off campus clinical settings will be used to assist the student in the development of professional competencies and proficiencies. Prerequisite: KIN 195, KIN 197C. Professional liability insurance required. C/NC grading. 1 unit. Spring only.
<b>KIN 198</b>	<b>Internship in Kinesiology.</b> Practical experiences in a professional work setting. Experiences will include exercise testing and evaluation, exercise prescription and program design, leadership, and fitness program administration. Maximum of 4 units may be repeated. Prerequisite: Kin 70 for major/minors only or internship manger consent. Repeatable for credit. C/NC grading. 1-4 units

### KINESIOLOGY EDUCATION – UPPER DIVISION

<b>COURSE#</b>	<b>COURSE TITLE &amp; DESCRIPTION</b>
<b>KNED 184I</b>	<b>Student Teaching for Kinesiology Individualized Interns.</b> Supervised student teaching in Kinesiology class(es) in the public school where the student is employed as an individualized intern. Prerequisite: Admission to Single Subject Credential Program; kinesiology advisor and Single Subject Coordinator consent. Repeatable for credit. C/NC grading. 2-4 units.
<b>KNED 184Y</b>	<b>Student Teaching II: Classroom Teaching.</b> Minimum 80-120 class periods of classroom, teaching laboratory or field teaching in appropriate single subjects, grades K-12 and related teaching activities and seminar. Prerequisites: Joint approval of major and Education departments. Repeatable for credit. C/NC. 4-6units.
<b>KNED 184Z</b>	<b>Student Teaching III: Classroom Teaching.</b> See KNED 184Y. May be different subject/school and will be at a different grade level. Repeatable for credit. C/NC grading. 4-6 units.

<b>KNED 339</b>	<b>Instructional Materials and Procedures in Physical Education.</b> Application of theories of learning and principles of teaching to the selection of instructional procedures to be used in physical education. Practical experience provided. Prerequisite: KIN 170B, KIN 172 and KIN 179 and department teacher education approval. Notes: Physical education majors and minors only. Misc/Lab: Lecture/activity 4 hours. 3 units.
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## Undergraduate Program Learning Outcomes (UPLO)

(Key principles: critical understanding and application of research and scholarship in the field of kinesiology; communication skills; movement competence; sustainability; diversity and social justice)

Upon completion of a Bachelor of Science degree program in the Department of Kinesiology students will be able to:

- Explain, identify, and/or demonstrate the theoretical and/or scientific principles that can be used to address issues or problems in the sub-disciplines in kinesiology.
- Effectively communicate in writing (clear, concise and coherent) on topics in kinesiology.
- Effectively communicate through an oral presentation (clear, concise and coherent) on topics in kinesiology.
- Utilize their experiences across a variety of health related and skill-based activities to inform their scholarship and practice in the sub disciplines in kinesiology.
- Identify and analyze social justice and equity issues related to kinesiology for diverse populations.

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