

B.S. IN KINESIOLOGY, M.A. IN SPECIAL EDUCATION, AND CLINICAL OR REHABILITATIVE SERVICES: ORIENTATION AND MOBILITY CREDENTIAL ROADMAP

The San Francisco State Scholars program provides undergraduate students with an accelerated pathway to a graduate degree. Students in this program pursue a bachelor's and master's degree simultaneously. This program allows students to earn graduate credit while in their junior and/or senior year, reducing the number of semesters required for completion of a master's degree.

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

Course	Title	Units
First Year		
Fall Semester		
ENG 114	Writing the First Year: Finding Your Voice (A2) ¹	3
Quantitative Reasoning Prerequisite (3-4 units) - Take One ^{2,3}		3-4
GE Area A ⁴		3
GE Area C		3
SF State Studies or University Elective		3
Units		15-16
Spring Semester		
Select One (Major Prerequisite):		4-5
BIOL 100 & BIOL 101	Human Biology and Human Biology Laboratory (B2, B3)	
BIOL 230	Introductory Biology I	
GE Area A		3
GE Area C		3
GE Area D		3
GE Area E		3
Units		16-17
Second Year		
Fall Semester		
Select One (Major Prerequisite):		3
BIOL 220	Principles of Human Anatomy	
BIOL 328	Human Anatomy	
Select One (Major Prerequisite):		4-5

CHEM 101 & CHEM 102	Survey of Chemistry and Survey of Chemistry Laboratory (B1, B3)	
CHEM 115	General Chemistry I	
GE Area C		3
GE Area D		3
U.S. and California Government (http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg)		3
Units		16-17
Spring Semester		
BIOL 212 & BIOL 213	Principles of Human Physiology and Principles of Human Physiology Laboratory (Major Prerequisite)	4
KIN 250	Introduction to Kinesiology (Major Prerequisite)	3
Select One (Major Concentration):		4
PHYS 101 & PHYS 102	Conceptual Physics and Conceptual Physics Laboratory (B1, B3)	
PHYS 111 & PHYS 112	General Physics I and General Physics I Laboratory (B1, B3)	
GE Area F [±]		3
Units		14
Third Year		
Summer Semester		
SF State Studies or University Elective - Take Two		6
Units		6
Fall Semester		
KIN 384GW	Research Methods in Kinesiology - GVAR (Major Core)	3
Major Activity Requirement ⁵		1
GE Area UD-B: Upper-Division Physical and/or Life Sciences		3
GE Area UD-C: Upper-Division Arts and/or Humanities		3
GE Area UD-D: Upper-Division Social Sciences		3
SF State Studies or University Elective		3
Units		16
Spring Semester		
KIN 457	Culture, Gender and Movement (Major Core)	3
KIN 480	Anatomical Kinesiology (Major Core)	4
KIN 486	Motor Learning (Major Core)	3
Major Electives (12 units total) - Take Two ⁶		6
Units		16

Fourth Year

Fall Semester

KIN 482	Exercise Physiology (Major Core)	3
KIN 483	Exercise Physiology Laboratory (Major Concentration)	1
KIN 485	Biomechanics (Major Concentration)	3
SPED 655	Basic Orientation and Mobility for Learners with Visual Impairments (Credential, Graduate Elective) ⁷	3
SPED 788	Law, Ethics, and Instructional Planning (Credential, Graduate Core)	3
Major Electives (12 units total) ⁶		3

Units 16

Spring Semester

KIN 404	Sport and Exercise Psychology (Major Concentration)	3
Select One (Capstone):		3
KIN 696	Kinesiology Community-Based Internship	
KIN 697 & KIN 698	Integrative Research Seminar and Senior Research Project	
KIN 699	Independent Study	
SPED 747	Physical Disabilities and Sensory Impairments (Credential, Graduate Core)	3
SPED 749	Medical, Educational, and Rehabilitative Implications of Visual Impairment (Credential)	4

Major Electives (12 units total)⁶ 3

Units 16

Fifth Year

Fall Semester

ISED 797	Seminar in Educational Research (Graduate Core)	3
SPED 756	Orientation and Mobility Seminar (Credential, Graduate Elective) ⁷	3

SPED 760	Methods in Orientation and Mobility I (Credential, Graduate Elective) ⁷	3
SPED 792	Methods in Orientation and Mobility II (Credential, Graduate Elective) ⁷	3

Units 12

Spring Semester

SPED 726	Workshop: Student Teaching Support Sessions for Mild/Moderate Support Needs or Orientation Mobility (Credential)	3
SPED 730	Student Teaching: Special Education (Credential)	9

Units 12

Sixth Year

Fall Semester

SPED 731	Special Education Field Experience (Credential)	3
SPED 753	Living Skills Assessment and Instruction for Learners with Visual Impairments (Credential, Graduate Related Studies) ⁸	3
SPED 822	Methods in Orientation and Mobility III (Credential)	3
SPED 823	Methods in Orientation and Mobility IV	3

Units 12

Spring Semester

SPED 757	Visual Impairment: Special Populations (Credential)	3
Culminating Experience ⁹		6

Units 9

Total Units 176-179

¹ ENG 114 can only be taken if you complete Directed Self-Placement (DSP) and select ENG 114; if you choose ENG 104/ENG 105 through DSP you will satisfy A2 upon successful completion of ENG 105 in the second semester; multilingual students may be advised into alternative English courses.

² To determine the best B4 course option, students should complete the online advising activity at mathadvising.sfsu.edu (<https://mathadvising.sfsu.edu/>). Questions? Contact Gator Smart Start. (<https://gatorsmartstart.sfsu.edu/>)

³ **Quantitative Reasoning Requirement (3-4 units)**

Select One:

ETHS 116 Algebra and Statistics for Social Justice (4 units) (B4, SJ)

ETHS 117 Statistics for Social Justice (3 units) (B4, SJ)

ISED 160 Data Analysis in Education (3 units) (B4)

MATH 124 Elementary Statistics (3 units) (B4)

PSY 171 Quantitative Reasoning in Psychology (3 units) (B4)

⁴ To avoid taking additional units, it is recommended that you meet the **SF State Studies** (AERM, GP, ES, SJ) requirements within your GE or major.

⁵ **Activity Requirement (1 Unit)**

With prior approval of advisor, select one activity course (KIN prefix) representing a fitness-related activity or movement form that complements and enhances the student's personal fitness and movement profile.

⁶ **Electives (12 Units)**

Students must take 12 units of electives. Groupings of electives in three focus areas are provided below, but other groups are possible and students should meet with an advisor to select electives that align with their career path. The movement science area focuses on the factors that influence the neuromotor control, learning, relearning, and development of motor skills and analysis. The social science area focuses on the socio-cultural and psychological factors that serve to constrain and define human movement, fitness, and physical activity. The exercise science area focuses on the physiology of exercise, fitness and health, exercise prescription, and fitness programming in healthy adults, youth, elderly, and clinical populations.

Movement Science Focus Area

KIN 325 Computer Applications in Kinesiology (3 units)

KIN 437 Physical Dimensions of Aging (3 units)

KIN 487 Motor Development (3 units) (UD-B)

KIN 538 Therapeutic Exercise (3 units)

KIN 539 Motor Assessment of Individuals with Disabilities (3 units)

KIN 636 Neuromotor Control Processes (3 units)

KIN 680 Musculoskeletal Biomechanics and Human Movement (3 units)

Social Science Focus Area

KIN 322 Sport in America (3 units)

KIN 331 Peak Performance (3 units) (UD-D, GP, SJ)

KIN 434 Sport-Based Youth Development (3 units)

KIN 489 History and Philosophy of Sport and Physical Activity (3 units)

KIN 502 Sport and Social Issues (3 units) (UD-D, AERM, SJ)

KIN 510 Sport, Movement, and Screen Culture (3 units) (UD-C, GP, SJ)

KIN 604 Advanced Exercise Psychology (3 units)

Exercise Science Focus Area

(Current CPR certification is required prior to graduating)

KIN 310 Youth Development Instructional Analysis I (3 units)

or KIN 312 Youth Development Instructional Analysis II (3 units)

KIN 314 Principles of Strength and Conditioning (3 units)

KIN 437 Physical Dimensions of Aging (3 units)

KIN 490 Introduction to Sport and Fitness Program Management (3 units)

KIN 538 Therapeutic Exercise (3 units)

KIN 555 Exercise Testing and Prescription (3 units)

KIN 683 Advanced Exercise Physiology (3 units)

KIN 690 Internship in Fitness/Wellness (3 units)

⁷ **Upper-Division/Graduate Courses (12 units)**

Courses in Special Education that align with the professional interest and career goals of the student, selected with a faculty advisor. No

more than 9 units of upper-division coursework can be counted towards the degree.

⁸ **Related Studies (3 units)**

Selected upon approval of major faculty advisor in a program area.

⁹ **Culminating Experience (6 units)**

Students will be required to complete one of the following options for the approved culminating experience, following advancement to candidacy:

Option 1

- SPED 896EXM Culminating Experience Examination
- Two graduate seminars selected in consultation with an advisor. One must be outside of the student's interest area, which may include SPED 881 Advanced Research Seminar in Special Education.

Option 2

- SPED 894 Creative Work Project in Special Education
- One graduate seminar outside the interest area selected in consultation with an advisor, which may include SPED 881 Advanced Research Seminar in Special Education.

Option 3

- SPED 898 Master's Thesis
- SPED 881 Advanced Research Seminar in Special Education

± Given catalog rights, fall 2023 transfer students do not need to complete an Area F course.