KINESIOLOGY SF STATE SCHOLARS ROADMAP

Course | Title | Units
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First Year |  | 
Fall Semester |  | 
MATH 124 | Elementary Statistics | 3
GE Area A: Oral Communication (A1) or Critical Thinking (A3) | 3
GE Area A: Written English Communication (A2) | 3
GE Area C: Arts (C1) | 3
GE Area D: Social Sciences (D1) | 3
First Year |  | 15

Spring Semester |  | 
BIO 100 & BIO 101 or BIO 230 | Human Biology or Introductory Biology I | 4-5
GE Area A: Oral Communication (A1) or Critical Thinking (A3) | 3
GE Area A: Written English Communication II (A4) | 3
GE Area C: Arts (C1) or Humanities (C2) | 3
GE Area D: U.S. History (D2) or U.S. and California Government (D3) | 3
Spring Semester |  | 16-17

Second Year |  | 
Fall Semester |  | 
BIO 220 or BIO 328 | Principles of Human Anatomy or Human Anatomy | 4
CHEM 101 & CHEM 102 or CHEM 115 | Survey of Chemistry or General Chemistry I: Essential Concepts of Chemistry | 4-5
Major Activity Requirement |  | 1
GE Area C: Humanities: Literature (C3) | 3
GE Area D: U.S. History (D2) or U.S. and California Government (D3) | 3
Second Year |  | 15-16

Spring Semester |  | 
BIO 212 & BIO 213 | Principles of Human Physiology and Principles of Human Physiology Laboratory | 4
KIN 250 | Introduction to Kinesiology | 3
PHYS 101 & PHYS 102 or PHYS 111 and PHYS 112 | Conceptual Physics or General Physics I and General Physics I Laboratory | 4

Third Year |  | 
Fall Semester |  | 
KIN 384GW | Research Methods in Kinesiology - GWAR | 3
KIN 251 | Success in the Kinesiology Major | 2
Emphasis Area Course (11-12 Units Total) | 3
GE Area UD-B: Upper-Division Physical and/or Life Sciences (Consider SF State Studies Course) | 3
GE Area UD-C: Upper-Division Arts and/or Humanities (Consider SF State Studies Course) | 3
Third Year |  | 14

Spring Semester |  | 
KIN 480 | Anatomical Kinesiology | 4
KIN 486 | Motor Learning | 3
KIN 457 | Culture, Gender and Movement | 3
KIN 482 & KIN 483 | Exercise Physiology and Exercise Physiology Laboratory | 4
GE Area UD-D: Upper-Division Social Sciences (Consider SF State Studies Course) | 3
Spring Semester |  | 17

Fourth Year |  | 
Fall Semester |  | 
KIN 485 | Biomechanics | 3
KIN 504 | Sport and Exercise Psychology | 3
KIN 710 | Research in Kinesiology | 3
Select one of the following:
KIN 696 | Kinesiology Community-Based Internship | 3
KIN 697 & KIN 698 | Integrative Research Seminar and Senior Research Project | 3
KIN 699 | Independent Study | 3
Emphasis Area Course (11-12 units total) – Take two | 6
Fourth Year |  | 15

Spring Semester |  | 
KIN 715 | Research Designs and Analysis | 3
Emphasis Area Course (11-12 units total) | 3
Graduate Emphasis Course (15 Units Total) - Take Two | 6
SF State Studies or University Elective | 3
Spring Semester |  | 15

Units |  | 1
Fifth Year

Fall Semester

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<tr>
<th>Course</th>
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<th>Units</th>
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<tr>
<td>KIN 795</td>
<td>Seminar in Kinesiology</td>
<td>3</td>
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<tr>
<td>KIN 897</td>
<td>Independent Research in Kinesiology</td>
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or Elective Upon Advisement

Graduate Emphasis Course (15 Units Total) - Take Two

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<th>Course</th>
<th>Units</th>
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<tr>
<td>SF State Studies or University Elective</td>
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Spring Semester

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<th>Course</th>
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<tr>
<td>KIN 898 or KIN 895</td>
<td>3</td>
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<tr>
<td>Master's Thesis or Master's Project in Kinesiology</td>
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Graduate Emphasis Course (15 Units Total)

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<th>Course</th>
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<tr>
<td>SF State Studies or University Elective - Take Two</td>
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Total Units: 149-151

1. Depending on courses completed through Early Start, students in Pathway/Category 3 or 4 may be required to enroll in a support course to complement their MATH 124 course (MATH 124 concurrently with MATH 123/MATH 123). Before enrolling in a B4 course, students should verify their MATH Pathway/Category in their Student Center (http://cms.sfsu.edu/content/student-center). Information regarding the courses that correspond with your MATH Pathway/Category can be found on the Developmental Studies Office Website (http://developmentalstudies.sfsu.edu).

2. To avoid taking additional units, it is recommended that you meet LLD and SF State Studies requirements (AERM, GP, ES, SJ) within your GE.

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

4. 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.

5. Movement Science Emphasis (12 Units)

   - KIN 325 Computer Applications in Kinesiology (3 units)
   - KIN 331 Peak Performance (3 units)
   - KIN 437 Physical Dimensions of Aging (3 units)
   - KIN 487 Motor Development (3 units)
   - 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 Quantitative Analysis of Human Movement (3 units)

6. Social Science Emphasis (12 Units)

   - KIN 255 Health-Related Fitness and Wellness (3 units)
   - KIN 322 Sport in America (3 units)
   - KIN 331 Peak Performance (3 units)
   - KIN 437 Physical Dimensions of Aging (3 units)
   - KIN 489 History and Philosophy of Sport and Physical Activity (3 units)
   - KIN 490 Introduction to Sport and Fitness Program Management (3 units)
   - KIN 502 Sport and Social Issues (3 units)
   - KIN 510 Sport, Movement, and Screen Culture (3 units)

7. Exercise Science Emphasis (11–12 Units)

   (Current CPR certification is required prior to graduating)

   - KIN 308 Instructional Analysis: Fitness Activities (2 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 681 Muscle Mechanics (3 units)
   - KIN 683 Applied Exercise Physiology (3 units)
   - KIN 690 Internship in Fitness/Wellness (3 units)

8. Emphasis in Exercise Physiology

   - KIN 740 Advanced Exercise Metabolism (3 units)
   - KIN 742 Exercise and Cardiovascular Dynamics (3 units)
   - KIN 746 Clinical Exercise Physiology (3 units)
   - KIN 755 Exercise Electrocardiography, Testing, and Prescription (3 units)
   - KIN 781 Muscle Mechanics (3 units)

9. Emphasis in Movement Physiology

   - KIN 730 Advanced Biomechanics (3 units)
   - KIN 733 Motor Learning (3 units)
   - KIN 736 Advanced Neuromotor Control (3 units)
   - KIN 763 Motivation and Performance (3 units)

10. Elective Upon Advisement for 3 Units

11. Emphasis in Physical Activity: Social Science Perspectives

   - KIN 734 Physical Activity Programs for Underserved Youth (3 units)
   - KIN 763 Motivation and Performance (3 units)
   - KIN 766 Sociocultural Bases of Physical Activity (3 units)

12. Electives Upon Advisement for 6 Units

13. Credential Students

   - KIN 750 Curriculum and Instruction I: Physical Education (3 units)
   - KIN 751 Curriculum and Instruction II: Physical Education (3 units)

To apply for award of certificate, you must submit the Certificate Approved Program form to your advisor and Graduate Program Coordinator. You will need to pay a processing fee at the Cashier’s Office before submitting the form and your unofficial transcripts to the GradStop Counter. For further information and to access the online forms go to sfsu.edu/~gradstdy/forms/cap.pdf (http://www.sfsu.edu/~gradstdy/forms/cap.pdf)

These courses should be used instead of electives.