

**Transfer Model Curriculum  
June 15, 2011  
(Updated 1/4/13; 5/7/14)**

CCC Major or Area of Emphasis: Kinesiology

CSU Major or Majors: Kinesiology

Degree Type: AA-T

Total units: 20 minimum (*all units are semester units*)

**NOTE: All courses not specified by a C-ID designation require articulation as major preparation.**

**Required Core Courses:** 14 units

Title (units)	C-ID Designation	Rationale
Introduction to Kinesiology (3)	KIN 100	All courses in core are commonly required.
Human Anatomy with Lab, (4) and Human Physiology with Lab, (4) or Human Anatomy and Physiology with Lab, (8)	BIOL 110B  and BIOL 120B  or BIOL 115S	
Movement Based Courses - Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units: Aquatics, Combatives, Team Sports, Individual Sports, Fitness, Dance	Major preparation articulation required, per consultation with the FDRG (11/1/13).	

**List A: Select two courses (minimum 6 units) from the following:**

Introduction to Statistics (3) Or Introduction to Statistics in Sociology (3)	MATH 110  or SOCL 125	GE
Human Biology (4)	See example. Major preparation articulation required.	GE
General Chemistry for Science Majors I, with Lab (5)	CHEM 110	GE

Or Survey of General, Organic, and Biological Chemistry (5)	or See example. Major preparation articulation required.	
Algebra/Trigonometry- Based Physics A (4) Or Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 105  or PHYS 205	GE
First Aid and CPR (3)	KIN 101	

### **TMC Update and Revision History**

Originally review and finalized, June 15, 2011.

Updated January 4, 2012 – formatting changes, removal of references to descriptors that will not be developed.

Updated May 6, 2014 – clarifications requiring required articulation incorporated; removal of reference to CHEM 103 (draft; Survey of General, Organic, and Biological Chemistry) and addition of an example; replacement of TCSU Human Biology description with a CCC course example.

### **Course Descriptions**

#### **Human Biology**

Cosumnes River - BIOL 310 - General Biology (4 Units)

This is a survey of biological science with an emphasis on human biology. Topics covered include scientific inquiry, cell structure, transmission and molecular genetics, major organ systems, evolution, and ecology. Major biological principles are explored in each topic, but an emphasis is placed on human issues. The laboratory activities are designed to further investigate and illuminate each topic area. This course is intended for non-science majors.

Articulated as major preparation at: CSUN, CSU Sacramento, CSU San Bernardino.

#### **Survey of General, Organic, and Biological Chemistry**

Cabrillo - CHEM 32 - Chemistry for the Allied Health Major

5 units; 3 hours Lecture, 6 hours Laboratory

Prerequisite: MATH 154.

Presents a one semester survey of general and organic chemistry as preparation for careers in the allied health sciences. It is not appropriate for premed, dental or veterinary students nor is it intended for allied health students requiring two semesters of chemistry.

Articulated as major preparation at: SJSU.

### **Summary of Feedback including issues and concerns:**

The Kinesiology/Physical Education TMC includes Human Anatomy with a Lab and Human Physiology with a Lab. Each course is 4 units. However, there are some Community Colleges that have a combined course of Human Anatomy and Human Physiology with a Lab, part 1 and part 2. Each combined course is 5 units. The counselors should advise students that the combined courses are an additional 2 units when considering the 60 unit limit for the TMC.

Care and Prevention of Athletic Injuries has been removed from the elective list. This course is considered an upper division course at the CSUs (California State Universities). According to SB 1440/Education Code Section 66745-66749, students should not have to repeat a course at the CSU that has been taken at the Community College. However, there are separate articulation agreements between many Community Colleges and the local CSUs concerning this course. There are also some CSUs that have a lower division course in Care and Prevention of Athletic Training. Until a C-ID course descriptor can be developed for Care and Prevention of Athletic Injuries, it is problematic to include this course as an elective. It would also be unwise for a student to take this course if an articulation agreement has not been reached between the student's Community College and the intended CSU. If a C-ID course descriptor could be developed that would allow vetting by the Community Colleges and the CSUs, Care and Prevention of Athletic Injuries could be considered for an updated TMC.

The courses in the core and electives area were selected after reviewing the requirements of the CSUs. There are several courses being offered by the California Community College Kinesiology/Physical Education Departments that do not meet the TMC requirements. Only a few CSUs require health education or nutrition as a course for the Kinesiology Major. Lower division coursework for the Kinesiology Major is primarily comprised of science-based curriculum.

When selecting TMC electives, the student should enroll in the courses that will fulfill the appropriate Kinesiology Degree Option at the intended CSU in order to complete the Bachelor's Degree. The student's chosen Kinesiology Degree Option at the Community College may not meet the TMC requirements of the intended CSU.