Transfer Model Curriculum Worksheet
June 15, 2011

CCC Major or Area of Emphasis: Kinesiology
CSU Major or Majors: Kinesiology
Total units 18-28 *(all units are semester units)*

**Required Core Courses:** 14 units

<table>
<thead>
<tr>
<th>Title (units)</th>
<th>Reference</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Kinesiology (3)</td>
<td>C-ID KIN 100</td>
<td>All courses in core are commonly required.</td>
</tr>
<tr>
<td>Human Anatomy with Lab, (4)</td>
<td>See descriptions.</td>
<td></td>
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<tr>
<td>Human Physiology with Lab, (4)</td>
<td>See descriptions.</td>
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<tr>
<td>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</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title</th>
<th>Reference</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Statistics for General, Business, and Social Sciences (3)</td>
<td>TCSU STAT 110 or C-ID SOCI 125</td>
<td>GE</td>
</tr>
<tr>
<td>Human Biology, 4 units</td>
<td>TCSU BIOL 110</td>
<td>GE</td>
</tr>
<tr>
<td>Survey of General, Organic, and Biological Chemistry (5) or General Chemistry I (5)</td>
<td>TCSU CHEM 210 or C-ID CHEM 110</td>
<td>GE</td>
</tr>
<tr>
<td>Physics, (4-5)</td>
<td>C-ID PHYS 105 or C-ID PHYS 205</td>
<td>GE</td>
</tr>
<tr>
<td>First Aid and CPR (3)</td>
<td>C-ID KIN 101</td>
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Course Descriptions

Human Anatomy with Lab

CAN BIOL 10 – Human Anatomy
The study of the gross and microscopic structure of the human body. Lecture/lab.
Recommended: One college level course in Biology.

Rio Hondo College BIOL 125  Human Anatomy
Advisory: ENGL 035 or ESL 198 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or appropriate assessment
This course is primarily a systems approach to the study of human body structure. The study of each body system includes structural specializations and functions from the microscopic to the system level emphasizing the interdependence of form and function. Additional topics include methods of anatomical study, human genetics, and embryonic development. The laboratory exercises will also include vertebrate dissections. This course is intended for students preparing to enter careers in the health sciences. 4 Units, 54 Lecture hours, 54 Lab hours

Human Physiology with Lab

CAN BIOL 12 - Human Physiology
Study of the function, integration, and homeostasis of organ systems. Lecture/lab.
Recommended: One college level course each in Anatomy and Chemistry.

Rio Hondo College Human Physiology
Prerequisite: BIOL 125 and CHEM 110
Advisory: ENGL 035 or ESL 198 or appropriate assessment; READ 023 or appropriate assessment
Human Physiology provides a general introduction to the function and regulation of human body systems. Physiological integration of the systems to maintain homeostasis and the significance of biochemistry is emphasized throughout the course. Course content will include neural and hormonal homeostatic control mechanisms, and a study of the musculoskeletal, circulatory, respiratory, digestive, urinary, immune and endocrine systems. Laboratory exercises will allow students to gather physiological data and draw conclusions on how physiological mechanisms are regulated. This course is intended for students preparing to enter careers in the health sciences.
4 Units, 54 Lecture hours, 54 Lab hours

Human Biology

Human Biology, 4 units, TCSU BIOL 110 (C-ID number to follow)
Fundamental principles of human biology: development, major organ systems, heredity, evolution, health and disease processes in populations, and aspects of modern biology impacting the well-being and behavior of humans. Designed for non-science majors.
Survey of General, Organic and Biological Chemistry

Survey of General, Organic and Biological Chemistry
5 units, TCSU CHEM 210
This course is a one-semester survey of general, organic, and biological chemistry for nursing majors and other health-related fields. Topics include general chemistry, organic chemistry, and biological chemistry as they apply to chemistry of the human body. The course satisfies the requirements of those health-career programs that require one semester of chemistry. The laboratory component will support the course topics including both qualitative and quantitative experiments, and analysis of data. (Prerequisite: Intermediate Algebra with a grade of “C” or better.)

Introductory Statistics for General, Business, and Social Sciences.

Introductory Statistics for General, Business, and Social Sciences
3 units, TCSU STAT 110
The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference and power; linear correlation and regression; chi-square and t-tests. Application of statistical software to data, including the interpretation of the relevance of the statistical findings. (Prerequisite: Intermediate Algebra.)

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.