

CTE Program Narrative

NAME OF COLLEGE: Fresno City College

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DATE: 4/25/17

DIVISION: Physical Education

FACULTY:

PROGRAM NAME: Sports Medicine

REASON FOR APPROVAL REQUEST (Check One):

- New Program Proposal
- Program Revision Proposal (Substantial or TOP Code Changes)
- Locally Approved

TYPE OF DEGREE:

- Certificate of Achievement
- Associate of Arts
- Associate of Science
- Associate of Arts for Transfer
- Associate of Science for Transfer
- Other

TRANSFER APPLICABILITY: Yes No

ATTACHMENTS/INFORMATION REQUIRED:

Labor/Job Market Data and Analysis
Advisory Committee Meeting Minutes

List of Advisory Committee Members Employer Survey, if applicable:
Eric Swain, Scott Sailor, Stephanie Moore-Reed, Scott Nelson, Tyler Voas,
cortney Avery, Rick Lembo, David Holford, Steven Guerrero, Kelly
Bettencourt, Chris Kahl, Rick Scheidt

1. Statement of Program Goals and Objectives

Identify the goals and objectives of the program. For CTE programs, the statement must include the main competencies students will have achieved that are required for a specific occupation. The statement must, at a minimum, clearly indicate the specific occupations or fields the program will prepare students to enter and the basic occupational competencies students will acquire.

If the program is selective, describe relevant entry criteria and the selection process for admission to the program. Specify all mandatory fees that students will incur for the program aside from the ordinary course enrollment fee.

Vision Statement

The Fresno City College Sports Medicine Program shall provide high quality education and clinical experience to students pursuing careers in Sports Medicine. Careers include, but not limited to, Athletic Training, Physical Therapy, Exercise Science, and Performance Enhancement.

Goals & Objectives

The Fresno City Sports Medicine Curriculum will be able to endow in students the following goals:

Advance student's professional development, intellectual growth, and strong values.

- Upon completion, students will have demonstrated professionalism in the field.
- Educational advancement in Kinesiology related fields.
- Experience Ethical and Moral standards through clinical observation and educational instruction.

Knowledge and intervention strategies related to first aid, CPR, and AED (certification fee up to \$100 bi-yearly through AHA).

- Students will be able to employ basic musculoskeletal injuries.
- Training in CPR and use of an AED.
- Trained in the identification of life threatening injuries and rapid activation of emergency services

Anatomy & Physiology as it relates to human movement, pathology, injury, and rehabilitation.

- Students will be educated in functional anatomy & physiology.
- Physiology as it pertains to injury.
- Understand indications and contraindications of therapeutic exercises
- Educated in exercise techniques.

Evaluation of athletic injuries.

- Training in identification and assessment of mild traumatic brain injuries.
- Provide assistance to a Certified Athletic Trainer in emergency situations.
- Education in evaluation of musculoskeletal, nerve, and skin pathologies.
- Education and clinical observation experience in on/off the field injuries.

Knowledge of organization and administration practices related to Sports Medicine professions.

- Understand and implement pre-participation physical examinations.

- Construct an emergency action plan
- Recognize the importance of documentation.
- Identify inventory, disinfecting, and purchasing practices

2. Catalog Description

Enter exactly as it will appear in the catalog, including program outcomes. The description must also

- *Convey the certificate's goals(s) and objectives*
- *Provide an overview of the knowledge and skills that students who complete the requirements must demonstrate (student learning outcomes)*
- *List all prerequisite skills or enrollment limitations*
- *Mention any risks, such as occupations that are inherently competitive or low-salaried and/or occupational areas where inexperienced graduates are not generally hired.*
- *For CTE programs, the description must list the potential careers students may enter upon completion.*
- *Convey what the student may expect as an outcome*

If applicable, reference accrediting and/or licensing standards. If there is a widely recognized certification provided by a professional association, specify whether the program will fully prepare completers for the recognized professional certification.

The Associates of Science in Sports Medicine is designed for various fields of study related to health care and athletic sports related injuries as well as preparation for transfer to a four year university. It is also intended to provide students with a solid background in preparation for Kinesiology related fields. The Associates of Science in Sports Medicine is specifically planned for students to complete a bachelor's degree in Kinesiology at a CSU Campus. Upon completion, students may attain employment as a Physical Therapist Aide and Fitness Trainer. Post-graduate professions include but not limited to Athletic Training, Physical Therapy, Chiropractic, and Sports Dentistry. To earn an Associate of Science in Sports Medicine, students must complete 60 required semester units to CSU-transferable coursework, CSU-GE Breath or IGETC requirements and 23-32 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major. Students should consult with a counselor when planning to complete the degree for more information on admissions and transfer requirements.

Student Learning Outcomes

1. Identify and discuss the different Sports Medicine professions and their role in the healthcare continuum.
2. Identify anatomy and physiology as it pertains to human performance and injury.
3. Differentiate career opportunities relative to different populations.
4. Demonstrate basic cardiopulmonary resuscitation, first aid skills, musculoskeletal and general medical skills

3. Program Requirements

The program requirements must be consistent with the catalog description. The number of units, specific course requirements and the sequence of the courses must be coherent, complete and appropriate. Display the program requirements in a table format that includes all courses required for completion of the program (core requirements and required or restricted electives), subtotal of core units, and total program units. For each course, indicate the course department number, course title, and unit value.

Display of Program Requirements

Core Courses	Title	Units
BIOL 20	Human Anatomy	4
	or	
BIOL 22	Human Physiology	5
	or	
BIOL 21A	Human Anatomy & Physiology I	4
	or	
BIOL 21B	Human Anatomy & Physiology II	5
HLTH 2	First Aid and Safety	3
FN 35	Nutrition and Health	3
	or	
FN 41	Sports Nutrition	2
PE 20	Athletic Training	4
HLTH 3	Concepts in Health and Fitness	3
PE 19	Work Experience (Cooperative), Occupational	1-8
PE 15A	Weight Training (Woman)	1
PE 15B	Weight Training (Men)	1
PE 15C	Weight Training (Coed)	1-2
	Total Core Courses	23-32

In addition to the core courses, the student must take at least XXX units from the following courses:

Elective Courses	Title	Units
	Select additional transferable courses to achieve 60 units	
	Total Elective Courses	

Total Units Required	
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Display of Proposed Sequence

First Semester	Units
Biol 20: Human Anatomy or	4
or	
Biol 21A: Human A&P I	4
HLTH 2: First Aid & Safety	3
PE 19: Work Experience	1
Total	8

Third Semester	Units
PE 20:	4
FN 35: Nutrition & Health	3
or	
FN 41: Sports Nutrition	2
PE 19: Work Experience	1
Total	7-8

Second Semester	Units
Biol 22: Human Physiology	5
or	
Biol 21B: Human A&P II	5
PE 19: Work Experience	1
Total	6

Fourth Semester	Units
HLTH 3: Concepts in Health & Fitness	3
PE 15 (A/B/C): Weight Training	1-2
PE 19: Work Experience	1
Total	5-6

4. Master Planning (Background and Rationale)

Given the stated goals and objectives, address the role the proposed program will fulfill in the college's mission and curriculum offerings. This discussion may include some history of the program proposal origins, a description of the program purpose, and/or the program's relevancy for the region and college.

The proposal must demonstrate a need for the program that meets the stated goals and objectives in the region the college proposes to serve with the certificate. A proposed new certificate must not cause undue competition with an existing program at another college.

If any expenditures for facilities, equipment or library and learning resources are planned, please explain the specific needs in this section.

If the program is to be offered in close cooperation with one or more specific employers, a discussion of the relationship must be provided.

The Associates of Science in Sports Medicine will bridge a gap between high school Regional Occupation Program & Career Technical Education (ROP/CTE) programs and 4-year universities. Local high school programs lack a pathway for Sports Medicine professions through the junior college setting. Junior and Senior high school students enrolled in a ROP/CTE Sports Medicine course will get credit towards the Associates of Science in Sports Medicine. This would give high school students a pathway and prepare them for transfer to a CSU Campus.

The profession of Athletic Training is progressing to a Master's degree and the Physical Therapy profession has already transformed to a Doctoral degree. This degree is planned to prepare students for a bachelor's degree in Kinesiology: Exercise Science. This is the most sought pathway for both Master's in Athletic Training and Doctorate in Physical Therapy.

Needed equipment:

Modalities

- Whirlpool with turbine
- Combo units (e-stim and US)
- Hydrocollator (with pads & covers)

Need:

A modality lab is needed to accompany the modality lecture. Hydrotherapy, cryotherapy, and thermotherapy applications are not fully understood without experiencing their effects. The importance of electrical stimulation and therapeutic ultrasound in rehabilitation, pain management, nerve conduction, and neuromuscular relationship are not fully understood with a physical component.

Library:

- The Manual of Trigger Point and Myofascial Therapy (Dimitrios Kostopoulos & Konstantine Rizopoulos)
- Examination of Orthopedic and Athletic Injuries (Starkey, Brown, & Ryan)
- Orthopedic & Athletic Injury Examination Handbook (Starkey & Brown)
- Physical Rehabilitation of the Injured Athlete (Andrews, Harrelson, & Wilk)
- Muscles Testing and Function with Posture and Pain (Kendall, McCreary, Provance, Rodgers, & Romani)

Need:

A complete library is needed for student learning. Text other than required class literature help to provide an alternative viewpoint or more in depth perspective. Online learning will be utilized as well to provide up to date information.

5. Need for Program

a. Enrollment and Completer Projections

Address and justify the number of projected students or "annual completers" to be awarded the certificate each year after the program is fully established.

Yearly enrollment for PE 20: Athletic Training is 60 students. Input from local ROP/CTE courses should boost this number substantially. The program is expected to graduate 5-10 students per year for the first several years with increases over time.

b. Labor Market Information (LMI)

Summarize the Labor Market Information (LMI) and employment outlook (Including citation for the source of the data) for students exiting the program.

Enter table or chart as a separate attachment.

CA: Athletic training are projected by 2024 to have **400** openings and a **25%** growth.
Fresno County: N/A
<http://www.labormarketinfo.edd.ca.gov/>

CA: Physical Therapist Aides are projected by 2024 to have **2,000** openings and a growth by **32.3%**.
Fresno County: **50** openings and growth of **35.7%**
<http://www.labormarketinfo.edd.ca.gov/>

CA: Fitness Trainer are projected by 2024 to have **5,100** openings and a growth of **16.8%**
Fresno County: **50** openings and growth of **13.5%**
<http://www.labormarketinfo.edd.ca.gov/>

CA: Physical Therapy are projected by 2024 to have **5,200** openings and a growth of **26.9%**
Fresno County: **120** openings and growth of **22.2%**
<http://www.labormarketinfo.edd.ca.gov/>

c. Employer Survey (if applicable)

When strong LMI data is not available, an employer survey may be submitted. Provide a copy of the survey, including the number of those surveyed, number of responses, and a summary of the results. The survey must address the extent to which the proposed degree or certificate will be valued by employers.

N/A

6. Place of Program in Curriculum/Similar Programs

Review the college's existing program inventory, then address the following questions:

- *Do any active inventory records need to be made inactive or changed in connection with the approval or the proposed program? If yes, please specify.*
- *Does the program replace any existing program(s) on the college's inventory? Provide relevant details if this program is related to the termination or scaling down of another program(s).*
- *What related programs are offered by the college?*

N/A

7. Similar Programs at Other Colleges in Service Area

List similar programs offered at other colleges within the Central/Mother Lode Region that may be adversely impacted. Enter 'none' if there are no similar programs.

College	Program
College of the Sequoias	Sports Medicine

Supporting documentation required

Labor Market Information

In a separate attachment, provide current Labor Market Information showing that jobs are available for program completers within the local service area. Statewide or national LMI may be included as supplementary support but evidence of need in the specific college service area or region is also necessary.

List of Members of Advisory Committee

This list must include advisory committee member names, job titles, and affiliations.

Name	Title	Affiliation
Lorraine Smith, MBA	Dean: Allied Health, Physical Education, & Athletics	FCC
Eric Swain	Faculty	FCC
Scott Sailor, EdD, ATC	Professor/ Kinesiology Department Chair, President-National Athletic Trainers' Association	CSU, Fresno
Stephanie Moore-Reed, PhD, ATC	Director, Athletic Training Program, Assistant Professor	CSU, Fresno
Scott Nelson, ATC	Athletic Trainer	FCC
Tyler Voas, ATC	Athletic Trainer	FCC

Cortney Avery, MS, ATC	Athletic Trainer ROP Sports Medicine/Athletic Training	Central High School
Rick Lembo, MS, ATC, PTA, CSCS	Director of Sports Medicine	Sierra Pacific Orthopedic Center
David Holford, ATC	Athletic Trainer	McClain High School
Steven Guerrero, ATC	Athletic Trainer ROP Athletic Training	Edison High School
Kelly Bettencourt, ATC	ROP Athletic Training	Buchanan High School
Chris Khal, MA, ATC, CES	Athletic Trainer Adjunct Instructor FCC	Clovis High School FCC
Tony Caviglia	Faculty	FCC
Rick Scheidt	Faculty	FCC

Recommendation of Advisory Committee (Meeting Minutes)

In a separate attachment, provide minutes of the advisory committee meetings at which the program was discussed and approved, with relevant areas highlighted, as well as a summary of the advisory committee recommendations.