

Kinesiology

KINESIOLOGY – KINES

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Possible career opportunities

Kinesiology is the interdisciplinary study of human movement, including but not limited to history, sociology, psychology, physiology and biomechanics. As a result, students earning a degree in kinesiology are able to pursue a wide variety of careers: physical education, coaching, athletic training (including sports medicine and allied health fields such as physical therapy, physician assistant and nursing), fitness instruction (personal training and strength and conditioning) and sports/recreation management (including sport administration, journalism, marketing, and law, as well as community parks and recreation). Many career options require more than two years of college study.

Program-level student learning outcomes

Program learning outcomes are subject to change. The most current list of program learning outcomes for each program is published on the DVC website at www.dvc.edu/slo.

Associate in science degree

Fitness instruction

Students completing the program will be able to...

- A. conduct assessment of personal fitness levels.
- B. develop a conditioning program to improve conditioning levels utilizing the periodization model.
- C. design a conditioning program to meet the unique needs of special populations.
- D. take the NASIV1, AFAA or other national certification exam.

The associate in science degree in fitness instruction is a two-year course of study designed for students who are interested in a career in the fitness industry and/or wish to transfer to a four-year institution in kinesiology or related major. It will expose students to many facets of the fitness industry and is appropriate for those students who wish to become a personal trainer and/or group exercise instructor. Completion of the degree will also prepare students to sit for one of the national personal training or group exercise instructor certification examinations. Students who intend to transfer to a four-year institution must consult with program faculty and college counselors to insure that the requirements for transfer to appropriate institutions are met. Possible programs of study at the baccalaureate level include exercise science, strength and conditioning, preparation for a teaching credential or other specialty area under the kinesiology umbrella.

To earn a degree, students must complete each course used to meet a major requirement with a "C" grade or higher and complete general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however, the units are only counted once.

major requirements:

	<i>units</i>
HSCI-230 Advanced First Aid/CPR	3
KINES-234 Introduction to Sports Medicine and Athletic Training.....	3
KINES-240 Principles of Optimizing Human Performance.....	3
KINES-242 Exercise Techniques and Fitness Assessments	1
KINES-246 Sport and Exercise Psychology.....	3
KINES-248 Sport and Society	3
KINES-250 Professional Aspects of Personal Training.....	3
KINES-252 Professional Aspects of Group Personal Training	1.5
KINES-254 Practical Experience in Personal Training and Fitness Instruction I	4
KINES-255 Practical Experience in Personal Training and Fitness Instruction II.....	4

plus at least 3 units from:

BIOSC-101 Fundamentals of Biological Science	3
BIOSC-102 Fundamentals of Biological Science with Laboratory	4
BIOSC-116 Human Biology.....	3
BIOSC-117 Human Biology with Laboratory	4
BIOSC-120 Introduction to Human Anatomy and Physiology	5
BIOSC-139 Human Anatomy.....	5
BIOSC-140 Human Physiology	5

plus at least 3 units from:

HSCI-124 Health and Wellness.....	3
HSCI-170 Women's Health	3

plus at least 3 units from:

NUTRI-120 Sports Nutrition: Fueling the Athlete	3
NUTRI-160 Nutrition: Science and Applications.....	3

plus at least 2 units from:

KNACT-146A Theory and Practice of Strength Training and Fitness I.....	0.5-2
KNACT-146B Theory and Practice of Strength Training and Fitness II.....	0.5-2
KNACT-146C Theory and Practice of Strength Training and Fitness III	0.5-2
KNACT-146D Theory and Practice of Strength Training and Fitness IV.....	0.5-2
KNACT-148A Beginning Power Lifting.....	0.5-2

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plus at least 2 units from:

KNACT-110A	Beginning Hatha Yoga	0.5-2
KNACT-110B	Intermediate Hatha Yoga	0.5-2
KNACT-110C	Advanced Hatha Yoga	0.5-2
KNACT-114A	Beginning Stretch and Yoga for Sports....	0.5-2
KNACT-114B	Intermediate Stretch and Yoga for Sports.....	0.5-2
KNACT-120	Physical Fitness	0.5-2
KNACT-122A	Beginning Body Sculpt	0.5-2
KNACT-124A	Beginning Hips, Thighs and Abs	0.5-2
KNACT-124B	Intermediate Hips, Thighs and Abs	0.5-2
KNACT-126	Aerobics/Step Aerobics.....	0.5-2
KNACT-128A	Beginning Cardio Kickboxing.....	0.5-2
KNACT-128B	Intermediate Cardio Kickboxing.....	0.5-2
KNACT-140	Stationary Cycling.....	0.5-2
KNACT-142A	Beginning Boot Camp.....	0.5-2
KNACT-144A	Beginning Super Circuit.....	0.5-2
KNACT-144B	Intermediate Super Circuit.....	0.5-2
KNDAN-105A	Pilates Mat Work I	0.5-2

total minimum required units 41.5

recommended courses:

	units
BUSMG-191 Small Business Management	3
KINES-210 Introduction to Kinesiology.....	3
KINES-230 Overview of Sports Medicine and Fitness Professions.....	2
KINES-232 Introduction to Sports Massage.....	1.5
KINES-235 Advanced Sports Medicine and Athletic Training	3
KINES-256 Theory and Practice of Performance Exercise Training and Exam Prep.....	2
KINES-257 Theory and Practice of Corrective Exercise Training and Exam Prep.....	2
KINES-258 Personal Training National Examination Preparation.....	2

**Associate in science degree
Kinesiology**

Students completing the program will be able to...

- A. develop practice plans, analyze strategy and teach techniques specific to a chosen sport.
- B. incorporate concepts of an athlete’s psychological and physical health to improve performance.
- C. qualify for employment as an effective coach of youth, high school, and/or adult sports.
- D. apply for transfer to a four-year institutions in such disciplines as kinesiology, exercise science and/or a teacher credential program.

The associate in science degree in kinesiology offers students two areas of specialization from which to choose: sport and recreation management or coaching. The degree is a two-year course of study designed for students who are interested in a career as an athletic coach and/or preparing for an entry level job in sports or recreation administration at a wide variety of businesses such as fitness centers, spas and wellness centers, recreational facilities, etc.

While most of the kinesiology major requirements are transferable and many meet prerequisites required in associate majors, this degree is not designed as a transfer curriculum. Students who intend to transfer must consult with a program advisor or counselor to ensure that the requirements for transfer to four-year institutions of their choice are met. Possible programs of study at the baccalaureate level include pursuit of a teaching credential to become a secondary school teacher/coach, or exercise science, sports management or other specialty area related to the discipline of kinesiology. Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU GE). Option 1 (DVC General Education) is appropriate for students who do not intend to transfer.

To earn this degree, students must complete the core major requirements as indicated and select an area of specialization. Students must complete each course used to meet a major requirement with a “C” grade or higher and complete general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once. For this degree a maximum of 15 units may be double-counted.

major requirements:

	units
HSCI-230 Advanced First Aid/CPR	3
KINES-210 Introduction to Kinesiology.....	3
KINES-234 Introduction to Sports Medicine and Athletic Training	3
KINES-240 Principles of Optimizing Human Performance.....	3
KINES-242 Exercise Techniques and Fitness Assessments.....	1
KINES-246 Sport and Exercise Psychology.....	3
KINES-248 Sport and Society	3
PSYCH-101 Introduction to Psychology.....	3

plus at least 3 units from:

NUTRI-120 Sports Nutrition: Fueling the Athlete.....	3
NUTRI-160 Nutrition: Science and Applications	3

plus at least 3 units from:

BUS-240 Business Statistics.....	3
MATH-135 College Algebra.....	4
MATH-142 Elementary Statistics with Probability.....	4

plus at least 3 units from:

BIOSC-101 Fundamentals of Biological Science	3
BIOSC-102 Fundamentals of Biological Science with Laboratory	4
BIOSC-116 Human Biology.....	3
BIOSC-139 Human Anatomy.....	5
BIOSC-140 Human Physiology	5

coaching emphasis

plus at least 3 units from:

KINES-260 Theory of Coaching Individual Sports.....	3
KINES-262 Theory of Coaching Team Sports.....	3
KINES-264 Theory of Coaching Football	3

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plus at least 2 units from: *

KNACT-100A	Beginning Swimming	0.5-2
KNACT-100B	Intermediate Swimming	0.5-2
KNACT-136	Distance Track Training	0.5-2
KNACT-160A	Beginning Badminton	0.5-2
KNACT-160B	Intermediate Badminton	0.5-2
KNACT-164A	Beginning Golf	0.5-2
KNACT-164B	Intermediate Golf	0.5-2
KNACT-166	Tennis	0.5-2
KNACT-170A	Beginning Basketball	0.5-2
KNACT-170B	Intermediate Basketball	0.5-2
KNACT-174A	Beginning Men's Lacrosse	0.5-2
KNACT-174B	Intermediate Men's Lacrosse	0.5-2
KNACT-176A	Beginning Soccer	0.5-2
KNACT-176B	Intermediate Soccer	0.5-2
KNACT-182A	Beginning Volleyball	0.5-2
KNACT-182B	Intermediate Volleyball	0.5-2
KNACT-182C	Advanced Volleyball	0.5-2
KNACT-195A	Beginning Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195B	Intermediate Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195C	Advanced Plyometrics and Agility Training for Female Athletes	0.5-2

or at least 2 units from:

KNICA-199	Sport-Specific Athletic Conditioning	0.5-2
KNICA-200	Intercollegiate Baseball, Men	3
KNICA-202A	Intercollegiate Basketball-A, Men	2
KNICA-202B	Intercollegiate Basketball-B, Men	1
KNICA-203A	Intercollegiate Basketball-A, Women	2
KNICA-203B	Intercollegiate Basketball-B, Women	1
KNICA-206	Intercollegiate Football, Men	3
KNICA-210	Intercollegiate Soccer, Women	3
KNICA-215	Intercollegiate Softball, Women	3
KNICA-216	Intercollegiate Swimming and Diving, Men	3
KNICA-217	Intercollegiate Swimming and Diving, Women	3
KNICA-223	Intercollegiate Volleyball, Women	3
KNICA-224	Intercollegiate Water Polo, Men	3
KNICA-225	Intercollegiate Water Polo, Women	3

* activity course or intercollegiate athletic participation must be selected in area of coaching emphasis

total minimum required units 36

sport and recreation management emphasis

<i>required courses:</i>		<i>units</i>
KINES-220	Introduction to Sport and Recreation Management	3
KINES-222	Practical Experience in Sport and Recreation Management I	4
KINES-223	Practical Experience in Sport and Recreation Management II	4

plus a least 2 units from:

KNACT-100A	Beginning Swimming	0.5-2
KNACT-100B	Intermediate Swimming	0.5-2
KNACT-136	Distance Track Training	0.5-2
KNACT-160A	Beginning Badminton	0.5-2
KNACT-160B	Intermediate Badminton	0.5-2
KNACT-164A	Beginning Golf	0.5-2
KNACT-164B	Intermediate Golf	0.5-2
KNACT-166	Tennis	0.5-2
KNACT-170A	Beginning Basketball	0.5-2
KNACT-170B	Intermediate Basketball	0.5-2
KNACT-174A	Beginning Men's Lacrosse	0.5-2
KNACT-174B	Intermediate Men's Lacrosse	0.5-2
KNACT-176A	Beginning Soccer	0.5-2
KNACT-176B	Intermediate Soccer	0.5-2
KNACT-182A	Beginning Volleyball	0.5-2
KNACT-182B	Intermediate Volleyball	0.5-2
KNACT-182C	Advanced =Volleyball	0.5-2
KNACT-195A	Beginning Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195B	Intermediate Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195C	Advanced Plyometrics and Agility Training for Female Athletes	0.5-2

total minimum required units 44

recommended degree electives:

BIOSC-140	Human Physiology	5
KINES-230	Overview of Sports Medicine and Fitness Professions	2

Associate in science degree Sports medicine/athletic training

Students completing the program will be able to...

- A. differentiate between a variety of anatomical structures and related terminology.
- B. utilize injury evaluation, treatment, rehabilitation and massage techniques.
- C. students completing this program will be able to develop a educational and career plan matched to their skills, aptitudes and professional requirements.

The associate in science degree in sports medicine/athletic training program is a two-year course of study designed for students interested in becoming allied health care professionals such as athletic trainers or physical therapists. It combines academic, laboratory and clinical experience to prepare students for further study or to obtain employment as an entry-level rehabilitation/allied health paraprofessional. Earning this degree may facilitate the student's transfer to a four-year college and/or professional program.

DVC Sports medicine/athletic training students who intend to transfer must consult with a program advisor or counselor to ensure that the requirements for transfer to four-year institutions of their choice are met. Students who intend to transfer are advised to select either General Education Option 2 (IGETC) or Option 3 (CSU GE). General Education Option 1 (DVC General Education) is appropriate for students who do not intend to transfer.

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Students must complete each course used to meet a major requirement with a "C" grade or higher, maintain an overall GPA of 2.75 or higher and complete general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however, the units are only counted once.

<i>major requirements:</i>		<i>units</i>
BIOSC-139	Human Anatomy.....	5
KINES-230	Overview of Sports Medicine and Fitness Professions.....	2
KINES-232	Introduction to Sports Massage.....	1.5
KINES-234	Introduction to Sports Medicine and Athletic Training.....	3
KINES-235	Advanced Sports Medicine and Athletic Training.....	3
KINES-236	Clinical Experiences in Sports Medicine and Athletic Training I.....	2
KINES-237	Clinical Experiences in Sports Medicine and Athletic Training II.....	2
KINES-238	Clinical Experiences in Sports Medicine and Athletic Training III.....	2
KINES-239	Clinical Experiences in Sports Medicine and Athletic Training IV.....	2
KINES-240	Principles of Optimizing Human Performance.....	3
KINES-242	Exercise Techniques and Fitness Assessments.....	1
KINES-248	Sport and Society.....	3
PSYCH-101	Introduction to Psychology.....	3

plus at least 3 units from:

CHEM-107	Integrated Inorganic, Organic, and Biological Chemistry.....	5
CHEM-108	Introductory Chemistry.....	4
CHEM-109	Introduction to Organic and Biochemistry.....	4
CHEM-120	General College Chemistry I.....	5
PHYS-110	Elementary Physics.....	3
PHYS-120	General College Physics I.....	4

plus at least 3 units from:

BIOSC-140	Human Physiology.....	5
HSCI-124	Health and Wellness.....	3

plus at least 3 units from:

BIOSC-101	Fundamentals of Biological Science.....	3
BIOSC-102	Fundamentals of Biological Science with Laboratory.....	4
BIOSC-130	Principles of Cellular and Molecular Biology....	5
HSCI-230	Advanced First Aid/CPR.....	3
KINES-210	Introduction to Kinesiology.....	3
KINES-246	Sport and Exercise Psychology.....	3
NUTRI-160	Nutrition: Science and Applications.....	3

total minimum required units 41.5

Associate in arts in kinesiology for transfer
Students completing the program will be able to...

- A. describe and explain the scholarly study of human movement and its significance to our understanding of physical activity.
- B. assess the importance of physical activity in our daily lives (e.g. recreation, self-expression, health, competition, etc.).
- C. differentiate among the sub-disciplines of kinesiology (e.g. history, biomechanics, philosophy, etc.) and discuss the knowledge specific to those areas.
- D. demonstrate knowledge in related disciplines required as core preparation for kinesiology majors (e.g. chemistry, biology, physics, statistics, etc.).
- E. apply a variety of research methods to locate and use appropriate information from various sources.

Kinesiology is the academic discipline focusing on the study of all aspects of human movement. Programs of study at the baccalaureate level include exercise science, sports management, allied health profession preparation, and pursuit of a teaching credential to become a secondary school teacher/coach.

The associate in arts in kinesiology for transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain of a minimum grade point average (GPA) of 2.0.
- Earn a grade of C or higher in all courses required for the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system, or those students who do not intend to transfer.

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Students must complete each course used to meet a major requirement with a "C" grade or higher. Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60-unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

<i>major requirements:</i>		<i>units</i>
BIOSC-139	Human Anatomy.....	5
BIOSC-140	Human Physiology.....	5
KINES-210	Introduction to Kinesiology.....	3

<i>plus a minimum of 6 units from:</i>		
BUS-240	Business Statistics.....	3
or		
MATH-142	Elementary Statistics with Probability.....	4
BIOSC-117	Human Biology with Laboratory.....	4
CHEM-120	General College Chemistry I.....	5
HSCI-230	Advanced First Aid/CPR.....	3
PHYS-120	General College Physics.....	4
or		
PHYS-130	Physics for Engineers and Scientists A-Mechanics and Wave Motion.....	4

*plus at least 3 units from:
Maximum of one course (minimum one unit) from any three of the following areas:*

Aquatics		
KNACT-100A	Beginning Swimming.....	0.5-2
KNACT-102A	Beginning Aquatic Fitness.....	0.5-2
KNACT-104	Water Aerobics.....	0.5-2

Fitness		
KNACT-110A	Beginning Hatha Yoga.....	0.5-2
KNACT-126	Aerobics/Step Aerobics.....	0.5-2
KNACT-128A	Beginning Cardio Kickboxing.....	0.5-2
KNACT-130A	Beginning Fitness Walking.....	0.5-2
KNACT-134A	Beginning Fitness Jogging.....	0.5-2
KNACT-148A	Beginning Power Lifting.....	0.5-2
KNDAN-105A	Pilates Mat Work I.....	0.5-2

Individual sports		
KNACT-160A	Beginning Badminton.....	0.5-2
KNACT-162	Bowling.....	0.5-2
KNACT-164A	Beginning Golf.....	0.5-2
KNACT-164B	Intermediate Golf.....	0.5-2
KNACT-166	Tennis.....	0.5-2

Team sports		
KNACT-170A	Beginning Basketball.....	0.5-2
KNACT-172	Flag Football.....	0.5-2
KNACT-176A	Beginning Soccer.....	0.5-2
KNACT-182A	Beginning Volleyball.....	0.5-2
KNACT-182B	Intermediate Volleyball.....	0.5-2
KNACT-182C	Advanced Volleyball.....	0.5-2

Combatives		
KNCMB-110	Self Defense.....	0.5-2
KNCMB-118A	Beginning Taekwondo.....	0.5-2
KNCMB-126A	Beginning Aikido.....	0.5-2
KNCMB-134	Karate.....	0.5-2

Dance		
KNDAN-100	Introduction to Dance.....	0.5-2
KNDAN-164A	Ballroom/Social Dance I.....	0.5-2

total minimum required units 22-25

Certificate of achievement Coaching

Students completing the program will be able to...

- A. develop practice plans, analyze strategy and teach techniques specific to a chosen sport.
- B. incorporate concepts of an athlete's psychological and physical health to improve performance.
- C. Students completing this program will be able to develop a educational and career plan matched to their skills, aptitudes and professional requirements

The coaching certificate of achievement is a one-year course of study that prepares students to be an effective recreational, youth or secondary school coach. Specific sport options offered include baseball, basketball, cross-country, football, soccer, softball, swimming, tennis, track and field, volleyball and water polo. To earn a certificate of achievement, students must complete each course used to meet a certificate requirement with a "C" grade or higher.

<i>required courses:</i>		<i>units</i>
HSCI-230	Advanced First Aid/CPR.....	3
KINES-234	Introduction to Sports Medicine and Athletic Training.....	3
KINES-240	Principles of Optimizing Human Performance.....	3
KINES-242	Exercise Techniques and Fitness Assessments.....	1
KINES-246	Sport and Exercise Psychology.....	3

<i>plus at least 3 units from:</i>		
NUTRI-120	Sports Nutrition: Fueling the Athlete.....	3
NUTRI-160	Nutrition: Science and Applications.....	3

<i>plus at least 3 units from:</i>		
KINES-260	Theory of Coaching Individual Sports.....	3
KINES-262	Theory of Coaching Team Sports.....	3
KINES-264	Theory of Coaching Football.....	3

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plus at least 2 units from: *

KNACT-100A	Beginning Swimming	0.5-2
KNACT-100B	Intermediate Swimming	0.5-2
KNACT-136	Distance Track Training	0.5-2
KNACT-160A	Beginning Badminton	0.5-2
KNACT-160B	Intermediate Badminton	0.5-2
KNACT-164A	Beginning Golf	0.5-2
KNACT-164B	Intermediate Golf	0.5-2
KNACT-166	Tennis	0.5-2
KNACT-170A	Beginning Basketball	0.5-2
KNACT-170B	Intermediate Basketball	0.5-2
KNACT-174A	Beginning Men's Lacrosse	0.5-2
KNACT-174B	Intermediate Men's Lacrosse	0.5-2
KNACT-176A	Beginning Soccer	0.5-2
KNACT-176B	Intermediate Soccer	0.5-2
KNACT-182A	Beginning Volleyball	0.5-2
KNACT-182B	Intermediate Volleyball	0.5-2
KNACT-182C	Advanced Volleyball	0.5-2
KNACT-195A	Beginning Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195B	Intermediate Plyometrics and Agility Training for Female Athletes	0.25-1
KNACT-195C	Advanced Plyometrics and Agility Training for Female Athletes	0.5-2

or at least 2 units from:

KNICA-199	Sport-Specific Athletic Conditioning	0.5-2
KNICA-200	Intercollegiate Baseball, Men	3
KNICA-202A	Intercollegiate Basketball-A, Men	2
KNICA-202B	Intercollegiate Basketball-B, Men	1
KNICA-203A	Intercollegiate Basketball-A, Women	2
KNICA-203B	Intercollegiate Basketball-B, Women	1
KNICA-206	Intercollegiate Football, Men	3
KNICA-210	Intercollegiate Soccer, Women	3
KNICA-215	Intercollegiate Softball, Women	3
KNICA-216	Intercollegiate Swimming and Diving, Men	3
KNICA-217	Intercollegiate Swimming and Diving, Women	3
KNICA-223	Intercollegiate Volleyball, Women	3
KNICA-224	Intercollegiate Water Polo, Men	3
KNICA-225	Intercollegiate Water Polo, Women	3

*Activity courses or intercollegiate athletic participation must be in the selected area of coaching emphasis.

total minimum required units 21

Certificate of achievement Personal training

Students completing the program will be able to...

- conduct assessment of personal fitness levels.
- develop a conditioning program to improve conditioning levels utilizing the periodization model.
- design a conditioning program to meet the unique needs of special populations.
- take the NASIV1, AFAA or other national certification exam.

The personal training certificate program is a one-year course of study that will expose students to many facets of the fitness industry and prepares them to obtain entry-level employment as a personal trainer. Completion of the certificate requirements will also prepare students to sit for national personal training examinations.

To earn a certificate of achievement, a student must complete each course used to meet a certificate requirement with a grade of "C" or higher. Courses are available in the day and evening.

<i>required courses:</i>		<i>units</i>
HSCI-230	Advanced First Aid/CPR	3
KINES-234	Introduction to Sports Medicine and Athletic Training	3
KINES-240	Principles of Optimizing Human Performance	3
KINES-242	Exercise Techniques and Fitness Assessments	1
KINES-246	Sport and Exercise Psychology	3
KINES-250	Professional Aspects of Personal Training and Fitness Instruction	3
KINES-252	Professional Aspects of Group Personal Training	1.5
KINES-254	Practical Experience in Personal Training I	4
KINES-255	Practical Experience in Personal Training II	4

plus at least 3 units from:

NUTRI-115	Nutrition and Health: Personal Applications	3
NUTRI-120	Sports Nutrition: Fueling the Athlete	3
NUTRI-160	Nutrition: Science and Applications	3

plus at least 1 unit from:

KNACT-146A	Theory and Practice of Strength Training and Fitness I	0.5-2
KNACT-146B	Theory and Practice of Strength Training and Fitness II	0.5-2
KNACT-146C	Theory and Practice of Strength Training and Fitness III	0.5-2
KNACT-146D	Theory and Practice of Strength Training and Fitness IV	0.5-2
KNACT-148A	Beginning Power Lifting	0.5-2

plus at least 1 unit from:

KNACT-110A	Beginning Hatha Yoga	0.5-2
KNACT-110B	Intermediate Hatha Yoga	0.5-2
KNACT-110C	Advanced Hatha Yoga	0.5-2
KNACT-114A	Beginning Stretch and Yoga for Sports	0.5-2
KNACT-114B	Intermediate Stretch and Yoga for Sports	0.5-2
KNACT-120	Physical Fitness	0.5-2
KNACT-122A	Beginning Body Sculpt	0.5-2
KNACT-124A	Beginning Hips, Thighs and Abs	0.5-2
KNACT-124B	Intermediate Hips, Thighs and Abs	0.5-2
KNACT-126	Aerobics/Step Aerobics	0.5-2
KNACT-128A	Beginning Cardio Kickboxing	0.5-2
KNACT-128B	Intermediate Cardio Kickboxing	0.5-2
KNACT-140	Stationary Cycling	0.5-2
KNACT-142A	Beginning Boot Camp	0.5-2
KNACT-144A	Beginning Super Circuit	0.5-2
KNACT-144B	Intermediate Super Circuit	0.5-2
KNDAN-105A	Pilates Mat Work I	0.5-2

total minimum required units 30.5

Kinesiology

KINES-100 Fitness and Wellness

1 unit SC

- 18 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent

This course presents the physiological, psychological and sociological aspects of wellness. Principles of fitness, wellness and health promotion will be covered. CSU, UC (credit limits may apply to UC - see counselor)

KINES-150 Topics in Kinesiology Theory

.3-4 units SC

- Variable hours

A supplemental course in physical education theory to provide a study of topics not covered in other courses or to address current developments in the field. Specific topics to be announced in the schedule of classes. CSU

KINES-210 Introduction to Kinesiology

3 units SC

- 54 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent

This is an introductory course that surveys various subdisciplines related to the study of human movement. Students will examine the areas of history, sociology, biomechanics, physiology, and psychology, as they relate to the sport and exercise environment. In addition, students will explore three career pathways involving the study of human movement; teaching, research, and professional practice. The course also introduces students to the concepts and skills of locating, evaluating, synthesizing, and communicating information in various formats. C-ID KIN 100, CSU, UC (credit limits may apply to UC - see counselor)

KINES-220 Introduction to Sport and Recreation Management

3 units SC

- 54 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent

This is an introductory course in sport and recreation management. Students will examine the history and development of the profession, discover and evaluate a variety of career opportunities, discuss organizational and managerial strategies, and analyze current trends in sport and recreation management. CSU

KINES-222 Practical Experience in Sport and Recreation Management I

4 units SC

- 36 hours lecture/108 hours laboratory by arrangement per term
- Recommended: KINES-220 or equivalent

This is an internship course that will expose students to the practical application and responsibilities within the field of sport and recreation management. They will have the opportunity to assist within the Diablo Valley College Kinesiology, Athletics, and Dance Department on a variety of projects including marketing, game management, website management, sports information, fundraising, and/or scheduling. CSU

KINES-223 Practical Experience in Sport and Recreation Management II

4 units SC

- 36 hours lecture/108 hours laboratory by arrangement per term
- Prerequisite: KINES-222 or equivalent

This is an internship course that continues to enhance students' skills and practical experiences within the field of sport and recreation management. Students will participate in creating and implementing projects within the Diablo Valley College Kinesiology, Athletics, and Dance Department. Topics for projects include, but are not limited to, marketing, game management, website management, sports information, fundraising, and/or scheduling. CSU

KINES-230 Overview of Sports Medicine and Fitness Professions

2 units SC

- 36 hours lecture per term

This course will acquaint students with a variety of sports medicine, fitness and health care professions. Information presented will include job descriptions, educational and certification/licensure requirements, work environment and potential salary ranges. CSU

KINES-232 Introduction to Sports Massage

1.5 units SC

- 18 hours lecture/27 hours laboratory per term

This course will present the theory and practice of massage and its role in treating and preventing athletic injuries as well as preparing athletes for competition. Students will apply and experience the application of a variety of massage, stretching and relaxation techniques. CSU

Kinesiology

KINES-234 Introduction to Sports Medicine and Athletic Training

- 3 units SC
- 36 hours lecture/54 hours laboratory per term
 - Recommended: Eligibility for ENGL-122 or equivalent

This course will provide the future coach, athletic trainer and other health care providers with the basic theoretical knowledge and practical skills necessary for the proper and effective management of common injuries. The students will also develop the ability to recognize these injuries, manage emergency situations and apply preventative taping. CSU, UC (credit limits may apply to UC - see counselor)

KINES-235 Advanced Sports Medicine and Athletic Training

- 3 units SC
- 36 hours lecture/54 hours laboratory per term
 - Prerequisite: KINES-234 or equivalent

This course builds on concepts from KINES-234. It will introduce the student to the theoretical knowledge and practical skills necessary to evaluate and rehabilitate injuries. The medical and surgical management of injuries will also be discussed in presentations by orthopedic surgeons and podiatrists. CSU

KINES-236 Clinical Experiences in Sports Medicine and Athletic Training I

- 2 units SC
- 108 hours laboratory by arrangement per term
 - Prerequisite: KINES-234 or completion of one year high school ROP sports medicine or equivalent

This course will expose students to basic injury prevention and care. The student will observe and assist athletic trainers in administering health care to the DVC athletes. Skills to be learned and performed include prophylactic taping and wrapping, immediate injury management and modality application. CSU

KINES-237 Clinical Experiences in Sports Medicine and Athletic Training II

- 2 units SC
- 108 hours laboratory by arrangement per term
 - Prerequisite: KINES-235 (may be taken concurrently) and KINES-236 or equivalents

This course will expose students to injury evaluation and career exploration in the area of sports medicine. Students will observe and assist athletic trainers in evaluating and treating DVC athletes. This may be augmented by off-campus observations of physicians and/or other health care providers. CSU

KINES-238 Clinical Experiences in Sports Medicine and Athletic Training III

- 2 units SC
- 108 hours laboratory by arrangement per term
 - Prerequisite: KINES-237 or equivalent

This course will expose the student to advanced athletic injury evaluation and anatomy. The emphasis in this course will be problem solving and professional development. The student will observe and assist athletic trainers in evaluating and rehabilitating DVC student athletes. This may be augmented by off-campus observations of surgery. CSU

KINES-239 Clinical Experiences in Sports Medicine and Athletic Training IV

- 2 units SC
- 108 hours laboratory by arrangement per term
 - Prerequisite: KINES-238 or equivalent

This course will expose the student to advanced injury rehabilitation principles and clinical intervention techniques. The emphasis in this course will be problem solving and professional development. Students will observe and assist athletic trainers in evaluating and rehabilitating DVC student athletes. This may be augmented by off-campus observations of surgery. CSU

KINES-240 Principles of Optimizing Human Performance

- 3 units SC
- 54 hours lecture per term
 - Recommended: Eligibility for ENGL-122 or equivalent

This course explores the body's adaptations to exercise and teaches students how to develop fitness programs to maximize these strength and conditioning adaptations. The information presented is valuable for students interested in professions such as personal training, physical therapy, athletic training/sports medicine, teaching and coaching, as well as for people who just want to improve their own fitness level or athletic performance. This knowledge will also prepare students intending to sit for national personal training exams. CSU, UC (credit limits may apply to UC - see counselor)

KINES-242 Exercise Techniques and Fitness Assessments

- 1 unit SC
- 54 hours laboratory per term
 - Recommended: KINES-240 or equivalent (may be taken concurrently)

This course is a companion laboratory course to KINES-240. Students will practice the instruction of proper techniques of strength training and fitness conditioning. Students will also conduct fitness assessments to determine fitness levels and evaluate progress in exercise programs. These skills will assist students who plan to sit for a national personal training or athletic training examination. CSU, UC (credit limits may apply to UC - see counselor)

Kinesiology

KINES-246 Sport and Exercise Psychology

3 units SC

- 54 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent

This course addresses the scientific approach to the psychological component of sport and exercise performance. Topics such as personality, motivation, group dynamics, and leadership will be covered. Specific psychological skills training methods for enhancing performance will be discussed. In addition, the connection between sport and exercise participation to health, wellness and psychological development will be addressed. CSU

KINES-248 Sport and Society

3 units SC

- 54 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent

This course is intended to develop an understanding and recognition of the many ways sport and society interact and affect one another. The process of socialization as well as the roles of violence, gender, race, media, and politics within the realm of sport will be examined. Considerations of pertinent current events and scholarly journal articles will enhance students' understanding of the topics addressed. CSU, UC

KINES-250 Professional Aspects of Personal Training

3 units SC

- 54 hours lecture per term
- Recommended: KINES-240 or equivalent

This course is for students who are, or aspire to be, personal trainers. It will provide practical information on how to become nationally certified as a personal trainer, effectively work with clients, including those within special populations, conduct assessments and create appropriate fitness program design. CSU

KINES-252 Professional Aspects of Group Personal Training

1.5 units SC

- 18 hours lecture/27 hours laboratory per term
- Recommended: KINES-240 or equivalent

This course prepares the potential personal trainer and group exercise instructor for the practical aspects of training and managing clients in a small group fitness/strength training setting. Principles and management of appropriate progression, regression and modification will be emphasized. Program design, exercise sequencing, training variables, use of strength equipment/modalities and practical teaching skills will be included. CSU

KINES-254 Practical Experience in Personal Training and Fitness Instruction I

4 units SC

- 36 hours lecture/108 hours laboratory by arrangement per term
- Prerequisite: KINES-240 (may be taken concurrently) or equivalent

This is an internship course that will expose students to the practical application and responsibilities of personal training through the observation and assistance of a fitness professional. Students will observe and conduct assessments on clients for fitness programs and program design development. Also included will be the observation of the adaptation/adjustment (appropriate progressions/regressions) of fitness program specifics to meet the changing needs of the client's fitness level and risk factor management and development of long and short term fitness goals. CSU

KINES-255 Practical Experience in Personal Training and Fitness Instruction II

4 units SC

- 36 hours lecture/108 hours laboratory by arrangement per term
- Prerequisite: KINES-240 (may be taken concurrently) and KINES-250 (may be taken concurrently) or equivalents

This is an internship course that will expose students to the practical application and responsibilities of personal training. Students will perform assessments on individuals for fitness programs, prepare and execute fitness programs, adapt and adjust fitness program specifics to meet the changing needs of the client's fitness level and risk factor management, as well as assist other entry students (mentoring) in the development of long and short term fitness goals and appropriate program design. CSU

KINES-256 Theory and Practice of Performance Exercise Training and Exam Prep.

2 units SC

- 36 hours lecture per term
- Recommended: KINES-240 and KINES-250 or equivalents

This course is for personal trainers, athletic trainers and coaches to advance their knowledge in the area of performance exercise. Emphasis will be on the theory of, assessment techniques for and corrective strategies for improving human performance. Students may be able to earn continuing education units (CEUs) and/or sit for a national examination in performance exercise. CSU

Kinesiology

KINES-257 Theory and Practice of Corrective Exercise Training and Exam Prep.

2 units SC

- 36 hours lecture per term
- Recommended: KINES-240 and KINES-250 or equivalents

This course is for personal trainers, athletic trainers, and coaches to advance their knowledge in the area of corrective exercise. Emphasis will be on the theory of, assessment techniques for and corrective strategies for human movement. Students may be able to earn continuing education units (CEUs) and/or sit for a national examination in corrective exercise. CSU

KINES-258 Personal Training National Exam Preparation

2 units SC

- 36 hours lecture per term
- Recommended: KINES-250 or equivalent

This course is designed to provide students with the information necessary to sit for a National Personal Training Exam. The course will expand upon information presented in other personal training courses within the program to emphasize knowledge required for passing these exams. CSU

KINES-260 Theory of Coaching Individual Sports

3 units SC

- 54 hours lecture per term

This course is designed to provide students with an understanding of all facets of coaching individual sports. Topics will include methods of instruction, practice design, mental preparation, and program building. This course is appropriate for those looking for a career in coaching, current youth coaches and the athlete wanting to increase their knowledge of the sport. No previous coaching experience is necessary. CSU, UC (credit limits may apply to UC - see counselor)

KINES-262 Theory of Coaching Team Sports

3 units SC

- 54 hours lecture per term

This course is designed to provide students with an understanding of all facets of coaching team sports. Topics will include methods of instruction, practice design, mental preparation, and program building. This course is appropriate for those looking for a career in coaching, current youth coaches and the athlete wanting to increase their knowledge of the sport. No previous coaching experience is necessary. CSU, UC (credit limits may apply to UC - see counselor)

KINES-264 Theory of Coaching Football

3 units SC

- 54 hours lecture per term

This course is designed to provide students with an understanding of all facets of coaching football. The history, terminology, rules, strategies, skills, methods of instruction, conditioning, mental preparation, and program building will be covered. This course is appropriate for those looking for a career in coaching, current youth coaches and athletes wanting to increase their knowledge of the sport. No previous coaching experience is necessary. CSU, UC (credit limits may apply to UC - see counselor)

KINES-298 Independent Study

.5-3 units SC

- Variable hours
- Note: Submission of acceptable educational contract to department and Instruction Office is required.

This course is designed for advanced students who wish to conduct additional research, a special project, or learning activities in a specific discipline/subject area and is not intended to replace an existing course. The student and instructor develop a written contract that includes objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. CSU

KINES-299 Student Instructional Assistant

.5-3 units SC

- Variable hours
- Note: Applications must be approved through the Instruction Office. Students must be supervised by a DVC instructor.

Students work as instructional assistants, lab assistants and research assistants in this department. The instructional assistants function as group discussion leaders, meet and assist students with problems and projects, or help instructors by setting up laboratory or demonstration apparatus. Students may not assist in course sections in which they are currently enrolled. CSU