

# Career Destinations linked with KNES OPTION courses



The B.S. degree in Kinesiology is a liberal arts degree that provides students with a broad foundation in Kinesiology, the interdisciplinary study of human movement and physical activity.

The Kinesiology “core” courses, required of all majors, introduce the sociological (KNES 287), historical (KNES 293), biomechanical (KNES 300), psychological (KNES 350), physiological (KNES 360), developmental (KNES 370) and cognitive-motor (KNES 385) aspects of kinesiology.

After completion of the KNES Core courses KNES majors are required to choose 4 KNES Upper Level OPTION courses linked with their career path. Students begin to explore specializations as they complete OPTION courses.

**This document provides career-related resources and potential OPTIONS courses relevant to various career paths.**

All students are encouraged to work with kinesiology advisors and the university’s career center in developing their coursework plans to best achieve career goals (<http://www.careercenter.umd.edu/>).

Kinesiology students may also explore careers in Kinesiology at the **American Kinesiology Association** website <http://www.americankinesiology.org/careers-in-kinesiology>.

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Personal Training/ Fitness consultant  
Director of Fitness /Obesity Clinic  
Lifestyle Coach

### ***Graduate and Professional Studies in Kinesiology and related fields (page 4)***

Biomechanics  
Cognitive motor neuroscience & related fields  
Exercise physiology & related fields  
Physical cultural studies & related fields  
Epidemiology  
Public and community health/health promotion  
Sports-related Law

### ***Health-related Careers (page 6)***

Athletic Training  
Physical therapy/PT Assistant  
Physician (chiropractic, allopathic, osteopathic, podiatry)  
Physician Assistant  
Nursing  
Occupational therapy  
Cardiac/Pulmonary rehabilitation; Cardiopulmonary technol.  
Pharmaceutical /medical device sales  
Occupational biomechanics/ergonomics  
Prosthetics/Orthotics

### ***Certified Physical Education and Adapted Physical Education Teacher (page 10)***

### ***Recreation Careers (page 11)***

Recreation leadership (e.g. Parks & Recreation management)  
Youth sport leadership  
Sport tourism  
Adapted physical education/sport

### ***Sport Careers (page 13)***

Coaching (sport)  
Strength & Conditioning coach  
Sports Management/ Sporting industry  
Sport facility managers  
Sports/Sporting Goods Research  
Sport marketing  
Sports communication/journalism

### ***Teaching: other than Physical Education (page 15)***

Certified teacher of health education  
Certified teacher of “science” courses (e.g., biology)

## ***Fitness and Health Promotion Careers***

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### **Relevant Links:**

Aerobics & Fitness Association of America: [www.afa.com](http://www.afa.com)  
American Alliance for Health, Physical Education, Recreation and Dance: [www.aahperd.org](http://www.aahperd.org)  
American Association for Physical Activity and Recreation [www.aahperd.org/aapar/](http://www.aahperd.org/aapar/)  
American College of Sports Medicine (ACSM) Certification: [www.acsm.org](http://www.acsm.org)  
The ACSM Degree Guide: <http://acsm.hpcareer.net/index.jsp>  
American Council on Exercise: [www.acefitness.org](http://www.acefitness.org)  
Association of Schools of Public Health [www.asph.org/](http://www.asph.org/)  
Health Promotion careers: [www.hpcareer.net](http://www.hpcareer.net)  
National Association for Sport and Physical Education: <http://www.aahperd.org/naspe/>  
The National Athletic Trainers' Association <<http://www.nata.org/>>  
National Strength and Conditioning Association (NSCA) <<http://www.nasca-lift.org/>>  
University of Maryland School of Public Health MPH programs: <http://sph.umd.edu>

### **Community Exercise Programs (kids, adapted, elderly, etc.)**

KNES333 Physical Activity for Students with Special Needs  
KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 451 Children and Sport  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 457 Managing Youth Programs  
KNES 461 Exercise and Body Composition  
KNES 465 Exercise and Disease Prevention  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Motor Development  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Developmental Motor Learning  
KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles & Methods of Physical Activity Interventions

### **Corporate Wellness programs**

KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles & Methods of Physical Activity Interventions

**Personal Training/ Fitness consultant**

KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation  
KNES 498\* Principles & Methods of Physical Activity Interventions

**Director of Fitness /Obesity Clinic**

KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation  
KNES 498\* Principles & Methods of Physical Activity Interventions

**Lifestyle Coach**

KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation  
KNES 498\* Principles & Methods of Physical Activity Interventions

## ***Graduate and Professional Studies in Kinesiology and related fields***

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### **Relevant Links:**

Biomechanics Graduate Programs: [www.asbweb.org/html/biomechanics\\_programs/programs.html](http://www.asbweb.org/html/biomechanics_programs/programs.html)

The American Academy of Kinesiology and Physical Education <http://www.aakpe.org>

American Alliance for Health, Physical Education, Recreation and Dance: [www.aapherd.org](http://www.aapherd.org)

American College of Sports Medicine (ACSM): [www.acsm.org](http://www.acsm.org)

The ACSM Degree Guide: <http://acsm.hpcareer.net/index.jsp>

American Kinesiology Association: [www.americankinesiology.org](http://www.americankinesiology.org)

American Physiological Society: [www.the-aps.org/](http://www.the-aps.org/)

Association of Schools of Public Health: [www.asph.org](http://www.asph.org)

North American Society for Sport History [www.nassh.org](http://www.nassh.org)

North American Society for Sport Sociology <http://www.nasss.org/>

### **Biomechanics**

KNES 402 Biomechanics of Sport

KNES 467 Genetics in Physical Activity & Sport

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Kinesiology in the Workplace

KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Cognitive motor neuroscience & related fields**

KNES 389G Fitness Assessment & Exercise Prescription

KNES 440 Psychology of Athletic Performance

KNES 442 Psychology of Exercise and Health

KNES 455 Scientific Bases of Athletic Conditioning

KNES 461 Exercise and Body Composition

KNES 462 Neural Bases of Movement

KNES 480 Measurement in Physical Activity

KNES 498\* Advanced Motor Development

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Developmental Motor Learning

KNES 498\* Exercise and Aging

KNES 498\* Movement Disorders: Theory and Practice

KNES 498\* Neural Control of Visual Motor Learning & Control

KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Exercise physiology & related fields**

KNES 389G Fitness Assessment & Exercise Prescription

KNES 455 Scientific Bases of Athletic Conditioning

KNES 461 Exercise and Body Composition

KNES 464 Exercise and Metabolism

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 480 Measurement in Physical Activity

KNES 498\* Advanced Applied Physiology

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Exercise and Aging

KNES 498\* Principles and Applications of Exercise Rehabilitation

KNES 498\* Principles & Methods of Physical Activity Interventions

**Physical cultural studies & related fields**

KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 484 Sporting Hollywood  
KNES 485 Sport and Globalization  
KNES 487 Women, Sports and Culture  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

**Epidemiology**

KNES 461 Exercise and Body Composition  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles & Methods of Physical Activity Interventions

**Public and community health/health promotion**

KNES 386 Experiential Learning  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 461 Exercise and Body Composition  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation  
KNES 498\* Principles & Methods of Physical Activity Interventions

**Sports-related Law**

KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 467 Genetics in Physical Activity & Sport  
KNES 484 Sporting Hollywood  
KNES 485 Sport and Globalization  
KNES 487 Women, Sports and Culture  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

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## ***Health-related Careers***

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### **Relevant Links:**

UMCP Health Professions Advising Office <http://www.prehealth.umd.edu/>  
American Academy of Physician Assistants <http://www.aapa.org>  
The ACSM Degree Guide: <http://acsm.hpcareer.net/index.jsp>  
American Nurses Association: [www.nursingworld.org](http://www.nursingworld.org)  
The American Occupational Therapy Association <<http://www.aota.org/>>  
American Orthotic and Prosthetic Association <<http://www.aopanet.org/>>  
American Physical Therapy Association <<http://www.apta.org/>>  
Careers in Medicine: [www.aamc.org/careersinmedicine](http://www.aamc.org/careersinmedicine)  
Human Factors and Ergonomics Society <<http://www.hfes.org/>>  
The International Ergonomics Association <<http://www.iea.cc/>>  
The National Athletic Trainers' Association <<http://www.nata.org/>>  
[www.tomorrowsdoctors.org](http://www.tomorrowsdoctors.org)

### **Athletic Training**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Physical therapy/PT Assistant**

KNES333 Physical Activity for Students with Special Needs  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Advanced Motor Development  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Developmental Motor Learning  
KNES 498\* Exercise and Aging

KNES 498\* Kinesiology in the Workplace  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Neural Control of Visual Motor Learning & Control  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Physician (chiropractic, allopathic, osteopathic, podiatry)**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Physician Assistant**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Nursing**

KNES333 Physical Activity for Students with Special Needs  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology

KNES 498\* Exercise and Aging  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Occupational therapy**

KNES333 Physical Activity for Students with Special Needs  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Advanced Motor Development  
KNES 498\* Developmental Motor Learning  
KNES 498\* Exercise and Aging  
KNES 498\* Kinesiology in the Workplace  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Neural Control of Visual Motor Learning & Control  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Cardiac/Pulmonary rehabilitation; Cardiopulmonary pump technol.**

KNES333 Physical Activity for Students with Special Needs  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Pharmaceutical /medical device sales**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 466 Graded Exercise Testing  
KNES 467 Genetics in Physical Activity & Sport  
KNES 498\* Advanced Applied Physiology



KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation

**Occupational biomechanics/ergonomics**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 466 Graded Exercise Testing  
KNES 480 Measurement in Physical Activity  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Kinesiology in the Workplace  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

**Prosthetics/Orthotics**

KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 462 Neural Bases of Movement  
KNES 466 Graded Exercise Testing  
KNES 480 Measurement in Physical Activity  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Exercise and Aging  
KNES 498\* Kinesiology in the Workplace  
KNES 498\* Movement Disorders: Theory and Practice  
KNES 498\* Principles and Applications of Exercise Rehabilitation

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## ***Physical Education***

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### **Relevant Links:**

American Alliance for Health, Physical Education, Recreation and Dance: [www.aapherd.org](http://www.aapherd.org)

Maryland State Department of Education [www.marylandpublicschools.org/MSDE/](http://www.marylandpublicschools.org/MSDE/)

National Association for Sport and Physical Education: <http://www.aahperd.org/naspe/>

National Council for Accreditation of Teacher Education (NCATE) [www.ncate.org/](http://www.ncate.org/)  
[www.PEcentral.org](http://www.PEcentral.org)

**\*Kinesiology students interested in becoming certified physical education teachers should visit the Master Certification Program webpage where more complete information is available:**

<http://sph.umd.edu/KNES/ugrad/pemajor.html>

### **Certified teacher of physical education/adapted P.E.**

KNES333 Physical Activity for Students with Special Needs

KNES 389G Fitness Assessment & Exercise Prescription

KNES 402 Biomechanics of Sport

KNES 440 Psychology of Athletic Performance

KNES 451 Children and Sport

KNES 455 Scientific Bases of Athletic Conditioning

KNES 457 Managing Youth Programs

KNES 461 Exercise and Body Composition

KNES 464 Exercise and Metabolism

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 480 Measurement in Physical Activity

KNES 491 The Curriculum in Physical Education

KNES 498\* Advanced Motor Development

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Developmental Motor Learning

KNES 498\* Principles & Methods of Physical Activity Interventions

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## **Recreation Careers**

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### **Relevant Links:**

American Alliance for Health, Physical Education, Recreation and Dance: [www.aapherd.org](http://www.aapherd.org)

The ACSM Degree Guide: <http://acsm.hpcareer.net/index.jsp>

National Park and Recreation Association: [www.nrpa.org/](http://www.nrpa.org/), [careercenter.nrpa.org/](http://careercenter.nrpa.org/)

### **Recreation leadership (e.g. Parks & Recreation management)**

KNES333 Physical Activity for Students with Special Needs

KNES 386 Experiential Learning

KNES 389G Fitness Assessment & Exercise Prescription

KNES 440 Psychology of Athletic Performance

KNES 442 Psychology of Exercise and Health

KNES 451 Children and Sport

KNES 455 Scientific Bases of Athletic Conditioning

KNES 457 Managing Youth Programs

KNES 461 Exercise and Body Composition

KNES 464 Exercise and Metabolism

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 480 Measurement in Physical Activity

KNES 498\* Exercise and Aging

KNES 498\* Principles & Methods of Physical Activity Interventions

### **Youth sport leadership**

KNES333 Physical Activity for Students with Special Needs

KNES 386 Experiential Learning

KNES 389G Fitness Assessment & Exercise Prescription

KNES 402 Biomechanics of Sport

KNES 440 Psychology of Athletic Performance

KNES 442 Psychology of Exercise and Health

KNES 451 Children and Sport

KNES 455 Scientific Bases of Athletic Conditioning

KNES 457 Managing Youth Programs

KNES 461 Exercise and Body Composition

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 480 Measurement in Physical Activity

KNES 484 Sporting Hollywood

KNES 487 Women, Sports and Culture,

KNES 498\* Advanced Motor Development

KNES 498\* Principles & Methods of Physical Activity Interventions

### **Sport tourism**

KNES 398A Sport, Commerce, and Culture in the Global Marketplace

KNES 485 Sport and Globalization

KNES 498\* Basketball and Black Masculinity

KNES 498\* Sport and the Civil Rights Movement

**Adapted physical education/sport**

KNES333 Physical Activity for Students with Special Needs

KNES 389G Fitness Assessment & Exercise Prescription

KNES 402 Biomechanics of Sport

KNES 451 Children and Sport

KNES 457 Managing Youth Programs

KNES 461 Exercise and Body Composition

KNES 462 Neural Bases of Movement

KNES 480 Measurement in Physical Activity

KNES 498\* Advanced Motor Development

KNES 498\* Developmental Motor Learning

KNES 498\* Movement Disorders: Theory and Practice

KNES 498\* Neural Control of Visual Motor Learning & Control

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## ***Sport Careers***

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### **Relevant links:**

American Alliance for Health, Physical Education, Recreation and Dance: [www.aahperd.org](http://www.aahperd.org)  
The American College of Sports Medicine (ACSM) [www.acsm.org](http://www.acsm.org)  
The ACSM Degree Guide: <http://acsm.hpcareer.net/index.jsp>  
The National Athletic Trainers' Association <http://www.nata.org/>  
National Association for Girls and Women in Sport: [www.aahperd.org/nagws](http://www.aahperd.org/nagws)  
NCAA Market (jobs, internships, GAs): <http://ncaamarket.ncaa.org/>  
National Strength and Conditioning Association (NSCA) <http://www.nsca-lift.org/>  
Women's Sports Foundation: <http://womenssportsfoundation.org/>  
Work in Sports: <http://www.workinsports.com/>

### **Coaching (sport)**

KNES333 Physical Activity for Students with Special Needs  
KNES 402 Biomechanics of Sport  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 451 Children and Sport  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 484 Sporting Hollywood  
KNES 487 Women, Sports and Culture  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Advanced Motor Development  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Developmental Motor Learning  
KNES 498\* Exercise and Aging  
KNES 498\* Principles and Applications of Exercise Rehabilitation  
KNES 498\* Sport and the Civil Rights Movement

### **Strength & Conditioning coach**

KNES 402 Biomechanics of Sport  
KNES 440 Psychology of Athletic Performance  
KNES 442 Psychology of Exercise and Health  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 461 Exercise and Body Composition  
KNES 464 Exercise and Metabolism  
KNES 465 Exercise and Disease Prevention  
KNES 467 Genetics in Physical Activity & Sport  
KNES 480 Measurement in Physical Activity  
KNES 498\* Advanced Applied Physiology  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Sports Management/ Sporting industry**

KNES 355 Sport Management  
KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 402 Biomechanics of Sport  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 457 Managing Youth Programs  
KNES 483 Sport Marketing and Media  
KNES 485 Sport and Globalization  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

### **Sport facility managers**

KNES 355 Sport Management  
KNES 389G Fitness Assessment & Exercise Prescription  
KNES 455 Scientific Bases of Athletic Conditioning  
KNES 457 Managing Youth Programs  
KNES 483 Sport Marketing and Media

### **Sports/Sporting Goods Research**

KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 402 Biomechanics of Sport  
KNES 480 Measurement in Physical Activity  
KNES 485 Sport and Globalization  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

### **Sport marketing**

KNES 355 Sport Management  
KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 483 Sport Marketing and Media  
KNES 484 Sporting Hollywood  
KNES 485 Sport and Globalization  
KNES 487 Women, Sports and Culture  
KNES 498\* Applied Assessment for Kinesiology  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

### **Sports communication/journalism**

KNES 355 Sport Management  
KNES 398A Sport, Commerce, and Culture in the Global Marketplace  
KNES 461 Exercise and Body Composition  
KNES 467 Genetics in Physical Activity & Sport  
KNES 483 Sport Marketing and Media  
KNES 484 Sporting Hollywood  
KNES 485 Sport and Globalization  
KNES 487 Women, Sports and Culture  
KNES 498\* Basketball and Black Masculinity  
KNES 498\* Sport and the Civil Rights Movement

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## ***Teaching: other than Physical Education***

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### **Relevant Links:**

American Alliance for Health, Physical Education, Recreation and Dance: [www.aapherd.org](http://www.aapherd.org)

American Association for Health Education: [www.aahperd.org/aahe/](http://www.aahperd.org/aahe/)

Health Promotion careers: [www.hpcareer.net](http://www.hpcareer.net)

Maryland State Department of Education [www.marylandpublicschools.org/MSDE/](http://www.marylandpublicschools.org/MSDE/)

National Commission For Health Ed Credentialing: [www.nchec.org](http://www.nchec.org)

National Council for Accreditation of Teacher Education (NCATE) [www.ncate.org/](http://www.ncate.org/)

### **Certified teacher of health education**

KNES 389G Fitness Assessment & Exercise Prescription

KNES 440 Psychology of Athletic Performance

KNES 442 Psychology of Exercise and Health

KNES 455 Scientific Bases of Athletic Conditioning

KNES 461 Exercise and Body Composition

KNES 464 Exercise and Metabolism

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 498\* Advanced Applied Physiology

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Exercise and Aging

KNES 498\* Principles and Applications of Exercise Rehabilitation

### **Certified teacher of “science” courses (e.g., biology)**

KNES 389G Fitness Assessment & Exercise Prescription

KNES 440 Psychology of Athletic Performance

KNES 442 Psychology of Exercise and Health

KNES 455 Scientific Bases of Athletic Conditioning

KNES 461 Exercise and Body Composition

KNES 464 Exercise and Metabolism

KNES 465 Exercise and Disease Prevention

KNES 467 Genetics in Physical Activity & Sport

KNES 480 Measurement in Physical Activity

KNES 498\* Advanced Applied Physiology

KNES 498\* Applied Assessment for Kinesiology

KNES 498\* Exercise and Aging

KNES 498\* Principles and Applications of Exercise Rehabilitation

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