Exercise & Rehabilitation Sciences

B.A.Sc.

Major
Bachelor of Applied Science
Applied Human Sciences
College of Education and Human Service Professions

Exercise & Rehabilitation Sciences majors learn about all aspects of human movement, in order to help people live healthy lives. Courses include biology, chemistry, physics, psychology and mathematics. You'll get hands-on experience in electrocardiography, biomechanics, exercise testing, exercise supervision, applied nutrition, and strength and conditioning procedures in state-of-the-art laboratories. Graduates work in many fields, including personal training, recreational therapy, and medicine. Exercise & Rehabilitation Sciences also prepares students for further study in allied health professions.

Why UMD

• Students graduate prepared for further study in many allied health professions: physical therapy, physician assistant, medicine, athletic training, and more.
• Coursework required in foundational sciences (Chemistry, Biology, Physics) and applied science (Human Biomechanics, Clinical Exercise Physiology).
• Most required courses incorporate labs using the latest equipment and are taught by faculty.
• Concentrations available in Exercise & Sport Science, Health & Fitness, and Special Interest.

Acquired Skills

• Apply principles, theories, and content from the exercise science subdomains: exercise physiology, biomechanics, motor behavior, and nutrition in laboratory activities and/or projects.
• Develop, assimilate, synthesize, and apply multiple sources of information that relate to the responses and adaptations resulting from physical activity, exercise, and training.
• Plan, implement, evaluate, report and revise physical activity and/or exercise interventions in clinical, health-related, and training environments.

Career Possibilities

Entry-Level Positions

• Employee Fitness and Wellness Director
• Exercise Physiologist
• Exercise Specialist (hospital based)
• Research Assistant
• Cardiopulmonary Technician
• Personal Trainer

Graduate School in

• Physical Therapy
• Occupational Therapy
• Exercise Physiology
• Biomechanics
• Sports Psychology
• Medicine
• Nursing
• Athletic Training
• Chiropractic
• Cardiac Rehab
Scholarships

Students in CEHSP are eligible to apply for more than 100 scholarships each academic year typically totaling $120,000 annually. For more information on scholarship opportunities, visit our scholarship webpage (https://z.umn.edu/scholarshipcehsp).

Student Clubs

- Exercise Science Club
- Pre Physical Therapy Club at UMD

Faculty Highlights

- Actively conduct, present, and publish research
- Offer numerous opportunities for students to participate in research
- Hold advanced degrees in the specific areas covered in the exercise science courses they teach
- Active members of the American College of Sports Medicine

Graduate Report

Recent UMD Graduates Job Placement Data & Employers

Here's a sampling of positions and grad programs Exercise Science B.A. Sc. grads have attained six months to one year after graduation.

- Personal Trainer Health Coach - Anytime Fitness, Minneapolis, MN
- Exercise Physiologist - CentraCare Health, St. Cloud, MN
- Fitness Specialist - Healthsource Solutions, Hopkins, MN
- Emergency Room Scribe - ScribeAmerica, Duluth, MN
- Clinical Assistant - Twin Cities Pain Clinic, Edina, MN

- Chiropractic School, Northwestern Health Sciences University
- Graduate School, Athletic Training, College of St. Scholastica
- Graduate School, Exercise & Nutrition Science, North Dakota State University

- Physical Therapy School, University of Minnesota Twin Cities

For more data see the Exercise Science B.A. Sc. Graduate Follow-Up Report.
For ideas about Exercise Science B.A. Sc. and other majors visit Career & Internship Services.

Links

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