



**Master of Science Program in Sports and Exercise Science**  
**Faculty of Sports Science, Chulalongkorn University**

**Program Codes and Titles**

**Program Code** 25470011100058

**Program Title** Master of Science Program in Sports and Exercise Science

**Degree Title and Field of Study**

**Degree Title**

Full Title (English): Master of Science

Abbreviation (English): M.Sc.

**Field of Study in Transcript**

Field of Study: Sports and Exercise Science

**Field of Study in Transcript**

FIELD OF STUDY:

Sports and Exercise Science : Sports Performance Enhancement or  
: Exercise Physiology or  
: Health Promotion or  
: Sports Management or  
: Recreation and Sports Tourism Management

**Total credits throughout the program** 36 credits

Master of Science Program in Sports and Exercise Science, Faculty of Sports Science, Chulalongkorn University, collaborates in an academic network with educational institutions in Thailand. The collaboration networks which involve sharing knowledge, studying practices, and exchanging experiences. Teaching and research-related equipment/instruments include the Sports Authority of Thailand, Ministry of Tourism and Sports, Ministry of Public Health, Ministry of Culture, National Olympic Committee of Thailand, Sports Association of Thailand, Bunditpatanasilp Institute of Fine Arts. Additionally, academic collaborations with international Sports Science educational institutions involve visiting, teaching and learning activities, and performing collaborative research with universities such as Indiana University Bloomington in USA and Tohoku University in Japan under the Memorandum of Understanding (MOU) with Chulalongkorn University.



### **Career options after graduating:**

1. Teachers and researchers in the field of Sports and Exercise Science, specializing in athletic performance (Sports Physiology, Sports Biomechanics, Sports Psychology, Sports Nutrition), Exercise Physiology, Health Promotion, Sports Management, Recreational and Sports Tourism Management
2. Consultants and academics specializing in Sports and Exercise Science, including athletic performance (Sports Physiology, Sports Biomechanics, Sports Psychology, Sports Nutrition), Exercise Physiology, Health Promotion, Sports Management, Recreational and Sports Tourism Management
3. Manager in Promotion and Development Projects and executives of company in the field of Sports and Exercise Science, specializing in athletic performance (Sports Physiology, Sports Biomechanics, Sports Psychology, Sports Nutrition), Exercise Physiology, Health Promotion, Sports Management, Recreational and Sports Tourism Management
4. Sports Developer (in recreation) and local Tourism Development Officers in the Provincial Tourism Development Office.
5. Occupations within organizations related to Sports Tourism Industry, Health Tourism, Recreation, and various related event including sports event competition organizers, such as Sports Tourism and Health Tourism business operators, Sales and Marketing personnel in the Sports Tourism and Health Tourism industry, employees in Sports Tourism Centers, Health Tourism Centers, Event Business, and other service-related businesses such as spas, golf courses, homestays, etc.

### **Study Location**

Faculty of Sports Science, Chulalongkorn University

### **Program Philosophy**

The philosophy of the program is to develop competent professionals in the field of Sports and Exercise Science who are knowledgeable and moral. They can become leaders in the development of knowledge and the application of scientific principles in Sports and Exercise Science. We also aim to advance sports excellence and create a society that promotes well-being through a systematic research-based educational process.



### Program Objectives

1. To produce graduates with knowledge and skills in sports and exercise science, who are leaders of academics, research, and management. They have the capacity to think, analyze, apply and integrate new knowledge to solve complex problems in the field of sports and exercise science. They will specialize in enhancing sports performance (Sports Physiology, Sports Biomechanics, Sports Psychology, Sports Nutrition), Sports Physiology, health promotion, sports management, and recreational and sports tourism management.
2. To conduct research in the field of sports and exercise science, including enhancing sports performance (Sports Physiology, Sports Biomechanics, Sports Psychology, Sports Nutrition), Sports Physiology, health promotion, sports management, and recreational and sports tourism management which will be beneficial to society and establish connections between knowledge in sports and exercise science and other disciplines.
3. To produce graduates with knowledge, moral values, problem-solving skills, and awareness of up-and-coming technological inventions. This will contribute to the development of the country in the areas of sports, public health promotion, sports business, and sports tourism at the national level.

### Educational management system

**Semester system:** Each semester consists of a maximum of 15 credits, with a total duration of the program of 2 years. The minimum study period includes at least 4 semesters and a maximum of 8 semesters.

**Academic Calendar:**

First Semester: August - December

Second Semester: January – May

### Program Structure:

**Total credits throughout the program** 36 credits

The total duration of the program of 2 years. The minimum study period includes at least 4 semesters and a maximum of 8 semesters.



## Program Structure

	Plan A type A1	Plan A type A2
Number of Course credit	-	24
- Corequisite	-	6
- Specialized core courses	-	15
- Elective courses	-	3
Number of thesis credit	36	12
Total credits throughout the program	36	36

### Note

1. If students enrolling in the program have insufficient knowledge according to the program, they may be required to take specialized courses in the field or additional elective courses, based on the approval of the advisor and the program management committee. These courses will be registered without credit units and will be assessed as S/U.
2. Students in Plan A - Type A1 must enroll for course 3900505 Master Thesis Seminar in every semester until they complete their studies. This course will not be counted toward credit and will be assessed as S/U. However, students must receive an S in the final semester before completing their studies.  
3900505 Master Thesis Seminar S/U
3. Students are required to do study visit abroad or participate in international academic conferences at least once. (The registration fee for participating in international academic conferences (in-country or abroad) and the expenses for study visits are not included in tuition fees. Students are responsible for covering the expenses for participating in international academic conferences and study visits.) In abnormal situations such as epidemics, natural disasters, or political issues, students may be exempted from studying abroad or participating in conferences and may participate through electronic media. This is subject to the approval of the program management committee on a case-by-case basis.



## Courses

Course code meaning

- 3900 Common Course
- 3915 Sports Performance Enhancement
- 3916 Exercise Physiology
- 3917 Health Promotion
- 3918 Sports Management
- 3919 Recreation and Sports Tourism Management

Corequisite (Plan A - Type A2)	6	Credits
3900503 STATISTICAL ANALYSIS DESIGN IN SPORTS AND EXERCISE SCIENCE		3(2-2-8)
3900504 PRINCIPLES OF RESEARCH DESIGN IN SPORTS AND EXERCISE SCIENCE		3(2-2-8)

Specialized core courses (Plan A - Type A2)	15	Credits
1) Sports Performance Enhancement		
3915505 SEMINAR IN SPORTS PERFORMANCE ENHANCEMENT		3(2-2-8)
3915510 APPLIED SPORTS PHYSIOLOGY FOR ENHANCING SPORT PERFORMANCE		3(2-2-8)
3915511 APPLIED SPORTS AND EXERCISE NUTRITION FOR ENHANCING SPORT PERFORMANCE		3(2-2-8)
3915512 APPLIED SPORTS BIOMECHANICS FOR ENHANCING SPORT PERFORMANCE		3(2-2-8)
3915513 APPLIED SPORTS COACHING PSYCHOLOGY FOR ENHANCING SPORT PERFORMANCE		3(2-2-8)
2) Exercise Physiology		
3916505 SEMINAR IN EXERCISE PHYSIOLOGY		3(3-0-9)
3916508 ADVANCED EXERCISE PHYSIOLOGY IN NERVOUS AND MUSCULAR SYSTEMS		3(2-2-8)
3916509 ADVANCED EXERCISE PHYSIOLOGY IN CARDIOVASCULAR AND RESPIRATORY SYSTEMS		3(2-2-8)



3916510      ADVANCED EXERCISE PHYSIOLOGY TESTING    3(2-2-8)  
AND INTERPRETATION

3916511      ADVANCE EXERCISE PROGRAM DESIGN FOR    3(2-2-8)  
SPECIAL POPULATION

### 3) Health Promotion

3917504      PHYSICAL ACTIVITY FOR HEALTH PROMOTION 3(2-2-8)

3917505      SEMINAR IN HEALTH PROMOTION            3(3-0-9)

3917508      THEORY IN HEALTH PROMOTION            3(3-0-9)

3917509      SOCIAL STRUCTURE AS A DETERMINANT    3(3-0-9)  
OF HEALTH

3917510      EVIDENCE BASED HEALTH PROMOTION IN    3(3-0-9)  
HEALTH CARE

### 4) Sports Management

3918502      FINANCIAL PLANNING AND EVALUATION    3(3-0-9)  
IN SPORTS BUSINESS

3918512      THEORY OF SPORT MANAGEMENT           3(3-0-9)

3918513      MARKETING AND SPONSORSHIP            3(3-0-9)  
IN SPORTS BUSINESS

3918514      HUMAN RESOURCES MANAGEMENT IN SPORT 3(3-0-9)

3918515      SEMINAR IN SPORTS MANAGEMENT        3(3-0-9)

### 5) Recreation and Sports Tourism Management

3919501      CONCEPT IN RECREATION AND SPORTS TOURISM 3(3-0-9)

3919502      MANAGEMENT IN RECREATION AND SPORTS 3(3-0-9)  
TOURISM BUSINESS

3919503      SPORTS TOURISM AND INTERNATIONAL    3(3-0-9)  
TOURISM INDUSTRY

3919504      SPECIAL RECREATION AND SPORTS TOURISM 3(3-0-9)  
EVENT MANAGEMENT

3919505      SEMINAR IN THE MANAGEMENT OF        3(3-0-9)  
RECREATION, SPORTS TOURISM



### Elective Course

3 Credits

Students must choose to enroll in at least 3 credits of elective courses from the same field of study as the specialized core courses they have enrolled for.

1) Sports Performance Enhancement

3915514	INDIVIDUAL STUDY IN SPORTS SCIENCE	3(3-0-9)
3915515	APPLIED PHYSICAL FITNESS TESTING FOR ENHANCING ELITE ATHLETES PERFORMANCE	3(2-2-8)

2) Exercise Physiology)

3916506	INDIVIDUAL STUDY IN EXERCISE PHYSIOLOGY	3(3-0-9)
3916512	EXERCISE AND SPORTS FOR PEOPLE WITH DISABILITIES	3(2-2-8)

3) Health Promotion

3917506	INDIVIDUAL STUDY IN HEALTH PROMOTION	3(3-0-9)
3917511	FIELD PRACTICUM IN HEALTH PROMOTION	3(2-2-8)

4) Sports Management

3918506	INDIVIDUAL STUDY IN SPORTS MANAGEMENT	3(3-0-9)
3918516	SPORT DATA SCIENCE	3(3-0-9)

5) Recreation And Sports Tourism Management

3919506	INDIVIDUAL STUDY IN THE MANAGEMENT OF RECREATION AND SPORTS TOURISM	3(3-0-9)
3919507	HUMAN RESOURCES MANAGEMENT IN RECREATION AND SPORTS TOURISM	3(3-0-9)

In addition to the elective courses mentioned above, students are allowed to choose and enroll in other graduate-level courses offered by Chulalongkorn University or other universities, with the approval of the Graduate Program Management Committee of Sports and Exercise Science.



### Thesis

3900811	THESIS (PLAN A - TYPE A2)	12 (0-48-0)
3900816	THESIS (PLAN A - TYPE A1)	36 (0-144-0)

### Admission Selection

Admission to the program follows the guidelines provided in the application handbook, which will be announced by the Graduate School in each academic year, or regarding the acceptance by the Graduate Program Management Committee.

### Qualifications of applicants:

#### Plan A – Type A1 (Research-oriented program with thesis only)

- Completion of a Bachelor's degree in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation, Tourism, or a related field, or an equivalent educational qualification. Applicants must have a minimum cumulative GPA of 3.25 on a 4.0 scale system or have at least one year of relevant work experience after completing a bachelor's degree.

- Adequate score in English proficiency test as determined by the university's criteria

#### Plan A – Type A2 (Research-oriented program with thesis and classes)

### Regular Program

#### Regular Method

1. Completed a bachelor's degree or currently studying in the final semester of a bachelor's degree program in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, Tourism, or related fields with a cumulative GPA of at least 2.50 on a 4.00 scale system, or
2. If the applicant has a cumulative GPA lower than 2.50, they must have at least one year of work experience after completing a bachelor's degree in a related field, starting from the date of graduation. They need to provide a work certificate specifying the duration of employment, or
3. Completed a bachelor's degree program with first class honor in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, or Tourism, or currently studying in the final





semester with a cumulative GPA of at least 3.60 on a 4.00 scale system in the semester before the last semester of the program. These applicants are eligible for an interview without a written examination, or

4. The program management committee agrees to allow the applicant to take the selection examination for admission, or
5. Passed the English language proficiency test according to the university's criteria.

#### **Alternative Method**

1. Completed or currently studying in the final semester of a bachelor's degree program in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, or Tourism with a cumulative GPA of at least 3.25 or above on a 4.00 scale
2. Passed the CU-TEP English language test with a score of 45 or above, or TOEFL with a score of 450 or above, or an equivalent score in IELTS of 4.0 or above
3. Other qualifications considered appropriate by the program management committee of the master's degree program in Sports Science
4. The applicant must specify one desired specialization in the application form. The available specializations are as follows:
  - Sports Performance Enhancement
  - Exercise Physiology
  - Health Promotion
  - Sports Management
  - Recreation and Sports Tourism Management

#### **Special Program**

##### **Regular Method**

1. Completed or currently studying in the final semester of a bachelor's degree program in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, Tourism, or related fields, or
2. If the applicant has completed a bachelor's degree in a different field not related to the above-mentioned programs, they must have at least 6 months of work experience in a relevant field or possess a related certificate after completing their degree, or



3. Completed a bachelor's degree program with first class honor, in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, or Tourism, or currently studying in the final semester with a cumulative GPA of at least 3.60 on a 4.00 scale system in the semester before the last semester of the program. These applicants are eligible for an interview without a written examination, or
4. The program management committee agrees to allow the applicant to take the selection examination for admission, or
5. Passed the English language proficiency test according to the university's criteria.

#### Alternative Method

1. Completed or currently studying in the final semester of a bachelor's degree program in Sports Science, Sports Management, Health Science, Physical Education, Health Education, Recreation Studies, or Tourism with a cumulative GPA of 3.25 or above on a 4.00 scale system
2. Passed the CU-TEP English language test with a score of 45 or above, or TOEFL with a score of 450 or above, or an equivalent score in IELTS of 4.0 or above
3. Other qualifications considered appropriate by the program management committee of the master's degree program in Sports Science
4. The applicant must specify one desired specialization in the application form. The available specializations are as follows:
  - Sports Performance Enhancement
  - Exercise Physiology
  - Health Promotion
  - Sports Management
  - Recreation and Sports Tourism Management

#### Class schedule

Regular Program (During Office Hours)	Monday - Friday	During Office Hours
Special Program (Outside Office Hours)	Friday	17:00 – 20:00
	Saturday	09:00 – 16:00



## Enrollment Fee/Tuition Fee: Biological Sciences Group (2)

### For Thai students

#### Regular Program (During Office Hours)

First semester and second semester	Tuition fee per semester is 35,000 Baht.
Summer semester	Tuition fee per semester is 8,750 Baht.

#### Special Program (Outside Office Hours)

First semester and second semester	Tuition fee per semester is 60,000 Baht.
Summer semester	Tuition fee per semester is 8,750 Baht.

### For international students

First semester and second semester	Tuition fee per semester is 97,700 Baht.
Summer semester	Tuition fee per semester is 51,650 Baht.

## The criteria for graduation

### Type A1 (Research-oriented program with thesis only)

- Submission of a thesis and passing the final oral examination (the examination must be open for interested individuals to attend).
- Thesis Publication  
Publication of the thesis or a portion of the thesis must be published or accepted for publication in a national or international academic journal with quality according to the criteria announced by the Higher Education Commission regarding the criteria for evaluating academic journals for publication of academic work.
- Other criteria include the requirement for students to study or participate in international academic visits or conferences, at least once.

### Type A2 (Research-oriented program with thesis and classes)

- Completed the required number of credits specified in the curriculum with a cumulative grade point average (GPA) of not less than 3.00 (4.00 scale system.)
- Submission of a thesis and passing the final oral examination (the examination must be open for interested individuals to attend).
- Thesis Publication  
Publication of the thesis or a portion of the thesis must be published or accepted for publication in a national or international academic journal of recognized quality according to the criteria announced by the Higher



Education Commission regarding the criteria for evaluating academic journals for publication of academic work, or presentation at an academic conference with a complete Full Paper published in the conference proceedings.

- Other criteria include the requirement for students to study or participate in international academic visits or conferences, at least once.

## Scholarships

### ❖ Educational Support Fund

<https://www.grad.chula.ac.th/scholarship.php?type=1>

- Scholarship for graduate studies at Chulalongkorn University to celebrate the 72nd anniversary of His Majesty the King's reign.
- Scholarship for graduate studies at Chulalongkorn University to celebrate the 72nd anniversary of His Majesty the King's reign (for students of the Scholarship Project under His Majesty King Maha Vajiralongkorn).
- Scholarship for graduate studies to commemorate the 60th anniversary of Her Royal Highness Princess Maha Chakri Sirindhorn's birth.
- Scholarship for graduate studies at Chulalongkorn University for the Princess Sirivannavari Cultivated Arts Foundation.
- Scholarship for students pursuing a doctoral or master's degree in fields related to Thai studies.
- Scholarship for tuition fees under the 60/40 scheme.
- Scholarship for students serving as teaching assistants.
- Scholarship for students serving as research assistants.
- Scholarship for international students.
- Scholarship for students with outstanding abilities in sports.
- High-quality graduate research development project in science and technology by Chulalongkorn University and the National Science and Technology Development Agency (NSTDA).
- Scholarship for lifelong learning.



- Graduate development project between Chulalongkorn University and the Stockholm Environment Institute (SEI).

❖ **Research Support Fund** <https://www.grad.chula.ac.th/scholarship.php?type=2>

- Chulalongkorn University's 90th Anniversary Scholarship
- Thesis Research Scholarship for students
- Scholarship to support thesis research for the "Chulalongkorn Sufficiency" project
- Scholarship to support doctoral and master's students for research abroad
- Scholarship to support doctoral graduates to present their academic work abroad
- Scholarship to support doctoral and master's students to present their academic work in Thailand
- Post-Doctoral Scholarship
- Graduate Research Scholarship from the National Research Council of Thailand

❖ **Scholarship** Programme for ASEAN and NON-ASEAN Countries (Graduate Scholarship Programme)

[http://www.academic.chula.ac.th/international\\_scholarship.html](http://www.academic.chula.ac.th/international_scholarship.html)