Graduate school of London Protocol Engineering
Master of Project Administration (LPEM)

Republic of Korea
Recognizing the needs of science and technology capacity building for junior government officers to administer various coastal public project for the sustainable development of the navigational and port-cities’ infrastructures (e.g., pier and other harbor facilities construction, water way maintenance, flood levee construction, sediment erosion and accumulation management, wet land creation, city sewage treatment, storm water runoff management, waste reception facility, coastal climate mitigation engineering measures, etc)
Title: Graduate school of London Protocol Engineering Master of Project Administration (LPEM)

Introduction: The Republic of Korea (Ministry of Ocean and Fisheries) through Korea Institute of Ocean Science and Technology (KIOST) opens a graduate program for the government officers in the Asian countries who administer coastal and navigational infrastructure projects.
Program: two year graduate school for professional certificate (32 credit hours)

Education: Coastal engineering and port management under the purview of London Protocol (knowledge and technical information for the government project management officers who plan to develop and maintain navigational and coastal infrastructures)

Starting: March of 2018
Main campus: KIOST headquarters in Busan, Republic of Korea

Financial support: Full scholarship providing modest living expenses and airfare to home country

Eligibility: Government officers of Asian countries (1) who are guaranteed to return to their home office after two years of LPEM; (2) who have Bachelor’s degree
For more information, please contact
Dr. Yeon S. Chang, LPEM Program Director
KIOST, 1166 dongsam-dong, Youngdo-gu, Busan
Republic of Korea
Tel.: 82.31.400.7820
E-mail: yeonschang@kiost.ac,kr
LPEM

Graduate school of London Protocol Engineering Master of Project Administration

Welcome to LPEM!

Opportunities open to distinguished government personnel from coastal States for a professional certificate of engineering in the coastal and navigational infrastructure project management administration (London Protocol Engineering Master [LPEM]).

Two years of academic experience with heavily embedded case studies will help students to gain deepened expertise on ocean and coastal management.

INTRODUCTION

Recognizing the needs of science and technology capacity building for junior government officers to administer various coastal public project for the sustainable development of the navigational and port cities’ infrastructures (e.g., pier and other harbor facilities, construction, water way maintenance, flood levee construction, sediment erosion and accumulation management, wetland creation, city sewage treatment, storm water runoff management, waste reception facility, coastal climate mitigation engineering measures, etc), the Republic of Korea (Ministry of Ocean and Fisheries) through its research arm of Korea Institute of Ocean Science and Technology (KIOST) opens a graduate school that awards a professional certificate.

The London Protocol Engineering Master of Project Administration (LPEM) is a two year graduate program that will provide in-depth education on coastal engineering and port management under the purview of London Protocol.

For more information, please contact
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KIOST, 1166 dongsam-dong, Youngdo-gu, Busan
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KIOST research vehicle, ISABU

KIOST headquarter

Busan Port

KIOST video monitoring tower for coastal erosion

Korea Institute of Ocean Science and Technology (KIOST)
PROGRAM

Degree: Professional certificate in Project Management Administration

Starting: March 2018

Semester: Spring (16 weeks from March to June) and Fall semesters (16 weeks from September to December)

Degree requirement: (1) 32 credit hours; (2) One or more publication of research paper in the international journal

Main Campus: KIOST headquarter, Republic of Korea

Breaks: During the summer and winter breaks, students are allowed to return to their home government offices or to work in KIOST laboratories with paid agreements with respective host principal investigators

Financial Support: LPEM is a full scholarship program and will provide a modest living expense (dormitory, food, books, notebooks, etc) and airfare to home country for all students enrolled

Courses (tentative): Courses are designed to provide basic scientific knowledge and technical information for the government project management officers who plan to develop and maintain navigational and coastal infrastructures.

(1) Basics
- Coastal land and underwater geomorphology
- Hydrodynamics of natural coastal environment
- Coastal atmospheric weather and climate
- Tide, wave, sea level and bottom sediment

(2) Designing coastal infrastructure
- Understanding ship maneuvering, navigation aids in port
- Understanding surface ships and hydrodynamics
- Pier and Port complex design consideration
- Engineering with nature-based features
- Strategic bottom sediment management
- Beneficial uses of dredged material
- Decision analysis including Risk management

(3) Technologies for coastal engineering
- Dredging machines and workboats
- Turbid plum management
- Artificial island creation
- Designing confined disposal facility (CDF)

(4) Case studies
- Government submission to London Protocol and others

International Donors and Partners:
- US Army Engineer Research and Development Center
- UK Government’s Centre for Environment Fisheries and Aquaculture Science (Cefas)

ADMISSION

Eligibility: Central or local government officers of Asian countries (1) who are guaranteed to return to their home office after two years of LPEM; (2) who have Bachelor’s degree

Required documents:
- Certificate and transcript of Bachelor’s degree
- Certificate of employment
- Letters of recommendation (1 up to 3)