

Professional Program for Master Degree Candidates in Project Management

Program overview

International Master of Project Management (IMPM) program is based on Shandong University's motto - "Nurture talent for the world and seek prosperity for the nation" and in response to the call of the state "Belt and Road Initiative" and "Go Global" strategy. This program focuses on promoting the education exchange between China and countries along the Belt and Road, cultivating local professional talents of project management for international enterprises in developing counties, and providing higher education and development opportunities to the young people by combining internationalized and standardized Project Management education system and traditional Chinese culture.

Main courses include: Introduction to Project Management, Project Planning and Control, Project Procurement and Project Governance, Project Risk Management, Engineering Economics, Project Feasibility Study and Post-Evaluation, Project Investment and Financing Management, etc.

This program will ensure that students become experts in the field of project management. The first semester is almost entirely devoted to expanding one's knowledge of the field. The second semester focuses on deepening the understanding of the field and choosing the topic of the dissertation as well as writing the research plan. In the second year, students will finish their dissertations and defending, it will be awarded the title of Master of Engineering in project management.

Aim of the program

The program aims to educate the next generation of project management talent that is able to compete with their peers in the global job market. Through extensive training and research practise, students will graduate with Master's degree enabling them to work in the field of public utilities and government project management, real estate and engineering management, IT project management, development and innovation management,

investment and financing decision-making and management, enterprise project management, project human resource management and entrepreneurial management.

Program courses

Category	Course Name	Compulsory/ Elective	Semester	Study Hours	Credits
	Introduction to Project Management	Compulsory	1	32	2
	Project Planning and Control	Compulsory	1	32	2
	Project Risk Management	Compulsory	1	32	2
	Project Feasibility Study and Post-Evaluation	Compulsory	2	32	2
	Engineering Economics	Compulsory	2	32	2
Public Courses	Chinese Language I	Compulsory	1	64	2
	Chinese Language II	Compulsory	2	64	2
	China Survey	Compulsory	1	32	2
Compulsory Parts	Mid-term Screening and Thesis Proposal	Compulsory	2	16	1
	Cutting-edge Lectures	Compulsory	2	16	1
	Research Methodology	Compulsory	2	16	1
	Professional Practice	Compulsory	3	128	8
Elective Courses	Project Procurement & Project Governance	Elective	2	32	2

	Project Investment and Financing Management	Elective	2	32	2
	Chinese Culture and Business Negotiation	Elective	2	32	2
	Operations Management in Projectized Organization	Elective	2	32	2
	Application of Project Management Software	Elective	2	16	1

Core Courses:

● Introduction to Project Management

This course is a professional course for the students majoring in Project Management. Topics include the knowledge, theory, tools, and application of project management. The objective is to prepare students to be able to master basic theories and knowledge of project management. On completion of this course, students should be able to:

1. Demonstrate mastery of the Nine Major knowledge Areas in PMBOK.
2. Have a better understanding of the basic problems of China's project management practices.

● Project Risk Management

This course mainly focuses on the problems of risk management in project. Topics include (but are not limited to) risk planning, identification, evaluation, response and monitoring, etc., both from a qualitative and quantitative point of view. The objective is to prepare students to be able to understand the impacts of uncertain factors in the project. On completion of this course, students should be able to:

1. Demonstrate mastery of the overall procedures and steps of risk management.
2. Grasp the tools and methods often being used in project risk management.
3. Identify, evaluate, monitor, and response to project risk.

- **Project Planning and Control**

Project Planning and Control is a required professional course for the students majoring in Project Management. Topics include planning, balance and optimization of project schedule, cost and quality, and the effective control of project plan. The objective is to prepare students to be able to understand the planning and control of project management. On completion of this course, students should be able to:

1. Demonstrate mastery of basic concept related to planning and control of project.
2. Demonstrate mastery of schedule, cost, and resource planning and control.
3. Possess the abilities to analyse and solve project management problems, as well as the practical operational ability in applying management software.

- **Engineering Economics**

This is a course to introduce the correlations and balance between technology and economics for the purposes of realizing the best allocation of project resources. Topics include (but are not limited to) the basic theory and methods of the project evaluation and its application, the contents of the project feasibility study. The objective is to prepare students to be able to master the engineering economic evaluation criteria and evaluation methods. On completion of this course, students should be able to:

1. Demonstrate mastery of the basic principles and methods of engineering economics, including the project program comparability principle, the time value capital, optimization principles, economic effect evaluation and preferential methods, project financial evaluation methods, and project risk analysis, etc.
2. Apply basic engineering economic principles and methods to technical and economic analysis, evaluation, and improve the scientific level of investment decision-making and project management.

- **Project Feasibility Study and Post Evaluation**

This course implements comprehensive evaluation of a project through technique, economy, society, etc. It is primarily used for project decision-making and approval. The objective is to prepare students to be able to understand the principle and main contents of feasibility study. On completion of this course, students should be able to:

1. Demonstrate mastery of procedures and skills of project approval.

2. Demonstrate mastery of the skills to undertake project feasibility study, as well as the skills of demonstrating feasibility study reports.

- **Project Investment and Financing Management**

This is a professional course for students majoring in project management. Topics include (but are not limited to) the project investing and financing methods and modes. It plays an important role in determining the investing structure and financing methods of project, and in controlling the capital cost and risk. The objective is to prepare students to be able to master the evaluation methods of project investment and the basic theories and methods of project investment and financing. On completion of this course, students should be able to:

1. Demonstrate mastery of the financing channels, methods and skills in project investment.
2. Understand the features and application scope of various project financing modes.
3. Design investing and financing scheme.

Highlights of the Program

- **Degree Accreditation**

In 2010, Shandong University got the authentication by International Project Management Association (IPMA) and became one of the partner universities of its International Project Management Professional certification (IPMP). In 2013, the BSc Project Management and the MSc Project Management of School of Management was accredited by Global Accreditation Center (GAC) for Project Management Education Programs, which is initiated by Project Management Institute (PMI). In 2021, the program was reaccredited.

- **Standardized Curriculum System**

As a third-party authority for authenticating the curriculum plan of the project management degree on a global scale, in 2001, PMI-GAC was founded to promote the development and the curriculum establishment of excellent and professional teaching programs on project management. It guarantees the quality of the degree education on project management, assisting universities to improve the curriculum plan on project management of the degree education so as to promote the education and the career development on project management. Besides, PMI-GAC has strict and objective assessment system and process on the degree project of project management. In a word, the project management education established by the School of Management at Shandong University has corresponded with

the advanced international education level.

- International and Qualified Teachers

Teachers responsible for the Project Management program of the School of Management comprise scholars and professors who have studied abroad in countries such as the United States, UK, Japan, and Switzerland. In addition, the School of Management has international teacher team consisting of famous university professors from UK, Italy, Australia, Germany, Korea, Hong Kong, South Africa, etc.

- Cooperation between University and Enterprises

The School of Management at Shandong University has abundant resources of schoolfellow enterprises at home and abroad and has established broad cooperative network with these enterprises. A large number of graduates are engaged as senior executives in these home and abroad large enterprises whose businesses are expanded in China and some developing countries such as Africa, the Middle East, Southeast Asia, etc. Therefore, these enterprises can provide a lot of opportunities for international students of project management to practice, visit and work. The cooperative enterprises for providing overseas students with internship bases and scholarship opportunity not only include some government enterprises like China State Construction Engineering Corporation, China Railway Construction Corporation Limited, China Railway Construction Engineering Group, Power Construction Corporation of China, Inspur, Shandong Gold Group Co., Ltd., Shandong Hi-speed Group Co., Ltd., but also consist of some famous foreign invested enterprises and private enterprises such as Kerui Group Corporation and CP Group.

- Integration of Cross-cultural Disciplines

Regarding the setting of training objectives and curriculums, this program has made full use of the historical and cultural heritage of Shandong Province and the disciplinary advantage of literature and history in Shandong University, combining Traditional Chinese Learning and western modern management techniques via some courses such as cross-cultural communication. Therefore, it has formed a unique training mode at the international level. Besides, in order to provide the students with various favorable conditions to become international top-level talents, the school and the university have carried out abundant student activities and language teaching with characteristics of traditional Chinese culture.

How to Graduate

Credit Requirements

The total credits for completing the program are no less than 31 (16 study hours per credit), of which no less than 27 credits are for compulsory courses.

Thesis Requirements

Students should undertake original research through the submission of a master's thesis. Students are required to work closely with their supervisor to define a focused topic and conduct detailed research. They begin this process by developing the necessary skills to formulate a research proposal. Topics for the thesis are confirmed during Semester 3, either internally through the guidance or proposals from academic staff, or externally through an associate partner or industrial contacts. The thesis should be submitted on time and defended during Semester 4.

Fees of the program

Registration Fee: 400 RMB

Medical Insurance: 800 RMB/year

Tuition: 80,000 RMB/2 years

Contact information (for questions regarding the program)

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