



# Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law



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Engineering projects are technical endeavors that are performed by group of trade professional that join their hands together. These participants are bounded by legal contracts to perform their roles and responsibilities. Also there are specific laws, codes and regulations controlling the industries and their operations. In order to perform efficiently, engineers should be aware of the legal implications of all these contractual aspects, laws, and their inferences. The need for understanding these laws and regulations, being able to efficiently interpret laws, and implementation of engineering projects require special skill sets for the engineers that are not taught in regular engineering programs.

Moreover, with the increasing globalization of the economies, new international and regional ventures, such as; China Pakistan Economic Corridor (CPEC), One Belt One Road (OBOR), Asia Infrastructure Development Bank (AIDB) etc. and increasing opportunities for foreign direct investments (FDI), the technical understanding of legal aspects, codes, and regulations have become much more essential and challenging for engineers in order to be competitive in the market.

With the aim of enhancing the capacity of engineers regarding legal aspects of engineering application, it is proposed that NED University of Engineering & Technology introduce a specialized degree program titled Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law.

In this regards, this document proposes details of Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law. The proposed program has been tailored to give construction professionals in building, construction, engineering, public owner organizations, and associated industries the legal knowledge to take the next step in their careers.

## OBJECTIVES

Graduates of this program will be able to perform effectively and accurately in areas of Construction Engineering law. Specifically, the graduates of this program will;

- i. Understand knowledge of relevant legal aspects in Construction Engineering.
- ii. Analyze practical and theoretical problems in order to provide structured solutions to legal issues in Construction Engineering.
- iii. Communicate, write, and document clearly regarding the laws and its applications to the

*ADMISSIONS OPEN  
STARTING FALL 2020.*

# Market Scope

Signing a contract between the project participants is the mandatory element of all engineering projects. Roles, responsibilities, expectations, risks, and rewards related to work are essential part of these contracts that is written in legal language. Thus, it requires understanding of the legal language in order to make correct inferences from the contract. In addition to the contracts between the participants certain, governmental, environmental and international laws bound these projects which require complete understanding and careful considerations. This program will serve these purposes by educating the graduates about the contractual norms and obligations of their field. Moreover, as also mentioned in the program introduction, with the upsurge of contemporary international and regional ventures as part of economic globalization, the technical understanding of legal aspects, codes, and regulations have become much more essential and challenging for engineers in order to be competitive in the market. Ventures like; China Pakistan Economic Corridor (CPEC), One Belt One Road (OBOR), Asia Infrastructure Development Bank (AIDB) etc. and increasing opportunities for foreign direct investments (FDI) will require nation's Civil Engineers to be well-equipped with the advanced legal and contractual knowledge of construction projects. Thus, the program has an enriching market scope.

# Social Impact

Engineering in general and construction industry in particular is often marked by adverse relationships between the project participants. Disputes between the project participants are often a reason behind these adverse relations. Disputes generally arise from the poor understanding of the roles and responsibilities of project participants as given in contracts. This program is aimed at improving the understanding of contracts, laws and regulations binding engineering industries. This Program can be fruitful in improving the relationships between the project participants. It has a potential to serve the social purpose to a significant extent. The contemporary challenge of internationalization will also require engineers to be equipped with international norms and regulations in order to be at better relationship and delivering successful international projects. Rise of entrepreneurial thinking, adherence to environmental laws (for protecting the nation from climate change impacts), and resilient communities planning will also require engineers, in particular civil/construction/urban engineers to be better equipped with legal aspects. Therefore, the program will result in evident social impact.

# Employability

Contracts are mandatory parts of all projects. Every organization (Client, Consultant, Contractors and their subs) involved in an engineering project has a binding of going into the contractual agreement. Thus the employability scope of these graduates is vast. In particular, all the public infrastructure organizations, banks, construction and companies, architectural and design consultants etc. will provide increased employability options to the graduate of this program. Moreover, international development and funding agencies, international companies that seek to invest in Pakistan will also have greater scope of employability for the engineers that have the knowledge of both local and international laws and regulations. The current rise in entrepreneurial willingness will also provide new opportunities such as; claims consultancy, contract development consultancy, and dispute resolution consultancy etc. Thus, the program will result in greater employability options for the graduates.

# PROGRAM STRUCTURE

Master of Engineering (Civil) Specialization in "Construction Engineering Law"					
Compulsory Courses					
Course No.	Course Title	Credit Hrs.	Course No.	Course Title	Credit Hrs.
CE-5011	Fundamentals of law and Legal Structures	3	CE-5013	Construction Contracts and Procurement Law	3
CE-5012	Intellectual property (IP) protection and Professional Ethics	3	CE-5014	Construction Claims Preparation and Analysis	3
			CE-5015	Construction Disputes	3
Elective Courses					
Course No.	Course Title	Credit Hrs.	Course No.	Course Title	Credit Hrs.
CE-5016	Fundamentals of Environmental Laws of Construction Industry	3	CE-5020	Construction Law and Risk Management	3
CE-5017	Construction Specifications writing and Documentation	3	CE-5021	International Perspective of Construction Law	3
CE-5018	Construction Law Case Studies	3	CE-5022	Forensic Engineering	3
CE-5019	Building Codes and Regulations	3	CE-5002	Thesis	6

# WHO CAN APPLY?

- The applicant must have passed their Qualifying Examinations Bachelor of Engineering Degree examination in the relevant Engineering Discipline from NED University or an equivalent recognized Institution with First Division (for Annual System) or at least with CGPA 2.4 / 4.0 (for Semester System).
- All Professional Bachelor's Degree must be accredited by respective Accreditation bodies e.g. Pakistan Engineering Council (PEC) and Pakistan Council of Architects & Town Planners (PCATP).
- All other degrees must be recognized by Higher Education Commission (HEC).
- Bachelor Degree in Civil / Urban Engineering or in any of the relevant degrees.

## For Further Information Contact

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For Details on admission process please visit :

[https://www.neduet.edu.pk/postgraduate\\_admissions](https://www.neduet.edu.pk/postgraduate_admissions)