

About the Department

Graduate Studies in Civil Engineering aims to train professional civil engineers in providing solutions to contemporary issues on sustainability and disaster risk. The department boasts of up-to-date research equipment and facilities and state-of-the-art civil engineering software. The department has very strong linkages with Japanese and ASEAN universities especially in collaborative research and training.

Civil Engineering graduate programs:

1. Master of Engineering in Civil Engineering (M.Eng.)
2. Master of Science in Civil Engineering (M.S.)
3. Doctor of Philosophy in Civil Engineering (Ph.D.)

Research fields:

Structural Engineering, Construction Technology and Management, Hydraulics and Water Resources Engineering, Transportation Planning and Engineering Geotechnical Engineering, Earthquake Engineering, Sustainable Infrastructures for the Natural and Built Environment, Natural Disaster Risk Mitigation and Management

Professional Courses:

Advanced Construction Engineering, Advanced Concrete and Materials Technology, Construction Safety and Risk Management, Construction problems, Sustainable Infrastructure and Life Cycle Analysis

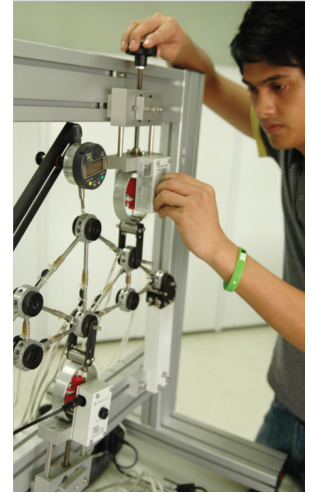
Advanced Soil Mechanics, Advanced Geomechanics, Geotechnical Earthquake Engineering, Geo-environmental Engineering, Ground Improvement techniques, Slope Stability Analysis

Advanced Hydrology, Advanced Hydraulics, Groundwater Development, Water Resource Planning and Management Seismic Analysis and Design of Buildings, Advanced Modeling and Analysis of Concrete Structures, Advanced Steel Structures, Advanced Bridge Engineering, Urban Transportation Planning, Public Transit Management and Operation, Intelligent Transportation Systems, Environmental Engineering Applications of GIS, Urban and Regional Infrastructure Planning

Laboratories and Facilities

The Civil Engineering department has laboratories for each of its field of specialization. Its more modern equipment includes total station equipment for surveying; direct shear apparatus, odometer apparatus, universal multi-purpose testing machine for soils; UTM, load and displacement transducers, data loggers for structures; and, hydrology apparatus, fluid channel, fluid friction apparatus for water.

State-of-the-art software such as ETABS, SAP2000, CSI, Section Builder and other ACECOMS software for structural engineering, Primavera for construction technology and management, STELLA software for system dynamics modeling in hydraulics and water resources engineering, EMM3, DYNAMIQ, JICA STRADA3, HCS+T7F, and ARCGIS for transportation engineering, and MAPINFO for geotechnical engineering are available in the computer laboratory.



For more information:

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