ACADEMIC BACKGROUND

Civil Engineering Coursework

Mehrdad Shafiei Dizaji, Ph.D.

Doctoral coursework

University of Virginia | Ph.D., Civil Engineering | Degree conferred May 17, 2020

Course	Code	Credits
Concrete Technology	CE 5010	3
Continuum Mechanics	MAE 6020	3
Mechanics of Composite Materials	CE 6750	3
Finite Element Analysis	MAE 6710	3
Nondestructive Evaluation	CE 6050	3
Smart Structures	CE 6360	3
Machine Learning [1]	CS 6316	3

Master's coursework

Sharif University of Technology | M.Sc., Civil Engineering - Hydraulic Structures

Course	Code	Credits
Advanced Engineering Mathematics	20-014	3
Finite Elements	20-149	3
Hydraulic Structure Design	20-253	3
Vibration of Structures	20-153	3
Hydraulic Structure Design 2	20-261	3
Numerical Analysis of Water Flow	20-661	3
Analysis and Design of Concrete Dams	20-670	3
Water & Hydraulics Seminar	20-919	1
Advanced Hydraulics	20-676	3

Research components: M.Sc. Thesis (20-910, 7 credits, Pass); Non-Topical Research, Doctoral (CE 9999, repeated research registrations, Satisfactory).

[1] Supporting interdisciplinary coursework relevant to AI applications in civil engineering. Abbreviated graduate course titles have been expanded for readability; credits are reported as shown and are not converted between institutions.

UNDERGRADUATE FOUNDATION

Civil Engineering Fundamentals

Mehrdad Shafiei Dizaji, Ph.D.

University of Tabriz

B.Sc., Civil Engineering | Graduated September 13, 2005

Structural mechanics & design

- Statics
- Dynamics
- Mechanics of Solids I and II
- Theory of Structures I and II
- Design of Concrete Structures I and II
- Design of Steel Structures I and II
- Pre-Stressed Concrete
- Introduction to Earthquake Engineering
- Introduction to Bridge Design
- Loading
- Optimization of Structures
- Steel Structure Project
- Concrete Structure Project
- Mechanics of Solids Lab.

Geotechnical engineering

- Geology Engineering
- Soil Mechanics
- Foundation Engineering
- Soil Mechanics Lab.

Materials & laboratory testing

- Material Technology & Lab.
- Concrete Technology & Lab.

Computational & quantitative methods

- Computer Programming
- Computer Application in Civil Engineering
- Numeric Computations
- Engineering Probability and Statistics
- Differential Equations

Water, hydraulics & environmental engineering

- Fluid Mechanics
- Hydraulics
- Hydraulics Lab.
- Engineering Hydrology
- Hydraulics Structures
- Introduction to Dam Engineering
- Water & Wastewater Engineering

Transportation & surveying

- Surveying I
- Introduction to Traffic Engineering
- Transportation Engineering
- Pavement Design
- Pavement Design Lab.
- Highway Design
- Highway Design Project

Construction & built environment

- Building Planning and Drawing
- Principles of Architecture & Urban Development
- Project Estimation & Contract
- Construction Equipment Machinery
- Construction Engineering
- Economics Engineering
- Internship

Selection and source: Extracted from the four transcript images in the supplied document: University of Tabriz (2 pages), Sharif University of Technology (1 page), and University of Virginia (1 page). Only passed/completed entries are included; withdrawn, failed, dropped, and duplicate registrations are excluded. Undergraduate I/II sequences are combined. General education and general science courses are omitted. This is a coursework summary, not an official transcript.