

MIT Building Technology Qualifying Exam:
Record of subject mastery

Name of student: _____

Area	Semester Completed	Grade	Subject
Thermal Sciences	_____	_____	4.424J/2.52J or 2.55 (Heat Transfer)
	_____	_____	2.25 (Fluid Mechanics)
	_____	_____	2.42 (Thermodynamics)
Building Systems and Performance	_____	_____	4.430 (Daylighting)
	_____	_____	2.151 (Controls)
	_____	_____	4.431 (Architectural Acoustics)
Structural Mechanics and Analysis	_____	_____	2.093 or 2.094 (Finite Element Analysis)
	_____	_____	1.573 (Structural Mechanics)
	_____	_____	1.581 (Structural Dynamics)
	_____	_____	1.571 (Structural Analysis)
Materials and Construction	_____	_____	4.445 (Analysis of Historic Structures)
	_____	_____	3.22 (Mechanical Behavior of Materials)
	_____	_____	3.36 (Cellular Solids)
Urban Systems and Resources	_____	_____	3.560 (Industrial Ecology of Materials)
	_____	_____	2.83 (Energy, Materials and Manufacturing)
	_____	_____	11.526J/1.251J (Land Use + Transportation Planning)
	_____	_____	15.871 (System Dynamics)
Optimization and Machine Learning	_____	_____	4.433 (Modeling Urban Energy Flows)
	_____	_____	6.255J/15.093J (Optimization Methods)
	_____	_____	6.252J/15.084J (Nonlinear Optimization)
	_____	_____	4.450J/1.575J (Structural Optimization)
	_____	_____	16.888J/IDS.338J (Multidisciplinary Optimization)
Computational Geometry	_____	_____	6.862 or 6.867 (Machine Learning)
	_____	_____	15.077J/IDS.147J (Statistical Learning + Data Mining)
	_____	_____	4.517 (Parametric Design and BIM)
	_____	_____	4.521 or 4.522 (Visual Computing)
	_____	_____	GSD SCI-6338 (Introduction to Computational Design)
	_____	_____	18.9501 (Differential Geometry)
	_____	_____	6.838 (Shape Analysis)

Date of subject area mastery completion: _____

Signature of advisor: _____