

Georgetown University New Science Center Washington, DC

Project Team

Owner:	Georgetown University
Contract Manager:	Whiting-Turner Contracting Co.
Architect:	Payette Associates Inc.
Associate Architect:	Martin Reddy Architects
Structural Engineer:	Simpson Gumpertz & Heger
Civil Engineer:	Dewberry
MEP & Fire Protection:	JVP Engineers, PC R.G. Vanderweil Engineers Inc.

Project Information

Size:	153,000 SF
Stories:	5
Delivery Method:	Design-Build
Construction Dates:	May 2010—July 2012



Architecture

The New Science Center is a state-of-the-art research facility that will house the physics, chemistry, and biology departments of Georgetown University. A key goal of the design is to promote interdisciplinary interaction and research. The exterior materials and building features mimic the new Rafik B. Hariri Building across the plaza, creating a strong link between the two buildings. The project is intended to achieve LEED Silver Certification through various sustainable building strategies.

Structural

- Grade beams foundation on concrete caissons up to 120' below grade
- Wide flange structural steel frame
- 6 1/4" LW concrete slab on deck floor system.

Mechanical

- Campus district Chilled Water and Steam implementation
- Four main 50,000cfm Air Handling Units with enthalpy wheels and preheat coils
- Dedicated Outdoor Air System with active chilled beam system heating and cooling

Electrical/Lighting

- 480/277 3-Phase 4-Wye Connection
- Two 4,000A main distribution switchgear
- 800kW Emergency Diesel Generator
- Fluorescent lighting system

