

University of California San Diego: Tata Hall of Sciences San Diego, CA



Client: University of California San Diego
Architect: CO Architects
Facility: Teaching and Research Laboratories
Project Size: 130,000 sq ft

Services:

- Infrastructure Design
- Programming
- Installation Oversight
- System Design

Technologies:

- Audiovisual Systems
- Educational Technologies
- IT Infrastructure
- Security Systems

Benefits:

- Led the design efforts for the technology-enriched labs and active collaboration spaces that enable expanded research and teaching
- Designed the robust wireless data coverage and Distributed Antenna System for first responder radio coverage throughout the building
- Laid out the live operator control room and audiovisual technology for the Fred Kavli Auditorium that provide opportunities for interactive learning and global exchange.



The University of California, San Diego (UCSD) is a public research university located in La Jolla, California on the outskirts of San Diego. Established in 1960, UCSD has 30,000 undergrad and 8,500 graduate students.

In 2018, UCSD opened Tata Hall for the Sciences, a seven-story, state-of-the-art building which will house the undergraduate teaching laboratories and research laboratories for UCSD's Divisions of Biological Sciences and Physical Sciences. The building features an "open laboratory" design to encourage cross-disciplinary collaborations as well as academic office space, a vivarium, the Fred Kavli Auditorium for campus and public performances, and the new home for the school's relocated Nuclear Magnetic Resonance (NMR) equipment.

Tata Hall will also be home to the transformational research activities of the Tata Institute for Genetics and Society, and the Kavli Institute for Brain and Mind.

We worked with the CO Architects Design Team and UCSD to integrate all the technology within the building. Specifically, we focused on the structured cabling for voice, data and video distribution, audiovisual presentation systems and audio/video teleconferencing. We designed, specified and produced technical construction drawings and bid specifications for those services.

We also provided technical support to the Design Team to guide equipment room space planning, requirements including support for the Distributed Antenna System (DAS) for first responder use and the electrochromic glass system for the building façade.

In addition, we specified and designed the security infrastructure and systems including IP-based surveillance camera locations and mounting, access control system programming, video management system requirements and security functions.