The Structural and Materials Engineering (SME) Building provides the first permanent home for the Structural Engineering and NanoEngineering Departments of the Jacobs School of Engineering.

Structural and NanoEngineers share space with visual artists and medical device researchers from the UC San Diego Institute of Engineering in Medicine.

Research laboratories, visual arts studios, and visualization facilities are shared resources—by design—that encourage people working at different scales and in different fields to interact.

Facilities
- 62 Research and Instructional Laboratories
- 160 Faculty, Graduate Student and Staff Offices
- 12 Visual Arts Studios
- Art Exhibition and Performance Space
- Cymer Conference Center (1 large conference room, 6 breakout rooms)
- 183,000 gross square feet

Economic Impact
- $83 million project, including design, construction and equipment costs
- 1,261 people were directly employed during construction, accumulating 374,515 payroll hours
- Construction was funded by California General Obligation Bonds