

SECTION SIX: PHYSICAL RESOURCES

STANDARD 6: Ensure the availability of safe and appropriate facilities, equipment, and services necessary to accommodate all activities in support of the Degree Program's mission, goal, and objectives.

Briefly, describe how the Degree Program complies with the above standard.

The Construction Management (CM) program at California Polytechnic State University, San Luis Obispo ensures the availability of safe, modern, and appropriate physical resources that support its mission to build innovative leaders through hands-on, collaborative learning. The program's facilities, laboratories, equipment, and technology infrastructure are intentionally designed to support Cal Poly's "Learn by Doing" philosophy and provide students with experiential learning opportunities aligned with industry practices.

6. REQUIREMENTS

If a split (dual) campus structure exists in the construction unit, the responses and charts of this section are to be separated and identified by campus location.

6.1. OFFICES, CLASSROOMS AND LABORATORY SPACES

Describe the physical facilities and equipment available to support the Degree Program's mission, goals and objectives. In addition, a table listing and summarizing the Degree Program's physical resources can be included, see the tables in the accompanying Excel file named Document 102 – Tables (date), Tabs Table 6.1 Offices, Table 6.1 Classrooms, Table 6.1 Laboratories

The CM program is housed within the College of Architecture and Environmental Design (CAED) and primarily operates out of dedicated facilities that support instruction, collaboration, and applied learning. These include:

- Dedicated CM classrooms and lecture spaces equipped with modern audiovisual systems to support interactive instruction, industry guest lectures, and hybrid delivery formats.
- Hands-on laboratory environments, including the Simson Strong-Tie Material Demonstrations Lab, Pacific Structures Concrete Innovations Lab, Wood Shop, Metal Shops, Materials Testing Lab, Soil Testing Lab, and the Digital Fabrication (d-fab) lab spaces, which enable students to engage in material assemblies, construction methods, and full-scale mockups consistent with the program's applied curriculum.
- Specialized lab areas supporting key courses such as residential, commercial, and heavy civil construction labs, where students integrate estimating, scheduling, BIM, and construction methods.
- Faculty and administrative offices located in close proximity to instructional spaces, promoting accessibility, advising, mentoring, and collaboration between students and faculty.
- Additional support spaces include the Neel Resource Center (materials and architectural library), CAED Plot Center (large format plotting), KTG Y Galleries (for

group events and presentations), Berg Gallery (for group events and presentations), and the new Lighting Lab.

These facilities support the integrated lab-based curriculum, where students progressively develop competencies through hands-on experiences across multiple construction sectors.

The department continually evaluates space utilization and has explored expansion opportunities, including the conversion of underutilized storage areas into additional instructional labs, to meet growing enrollment and evolving pedagogical needs.

6.2. LIBRARY RESOURCES

Describe how reference materials may be obtained by program students and faculty (i.e., central library, departmental library, interlibrary loan program, internet, intranet, etc.).

The majority of construction-related publications are available at the Robert E. Kennedy Library, Cal Poly's central library. A small collection of relevant material is located in the College of Architecture and Environmental Design's Paul and Verla Neel Resource Center. The College of Architecture and Environmental Design has a designated Architecture and Environmental Design Librarian in the central library, who works with faculty in CAED departments to make collection decisions and build the collections to support departmental teaching and research.

The library's collections may be searched online through OneSearch, accessible from the Kennedy Library's homepage at <https://library.calpoly.edu/>

Journal articles may be searched online through the library's subscription databases, of which the most pertinent to the discipline are:

- Engineering Village 2
- ABI/INFORM
- Business Source Premier
- Avery Index to Architectural Periodicals
- IEEE
- Web of Science
- Google Scholar (in a premium version enhanced with links to resources paid for by Kennedy Library)

Many of these provide some or all articles in full-text format. All of the library's electronic resources are available both on campus and off (through the campus portal website).

Students and faculty have access to resources in other institutions through the Library's Interlibrary Loan services. They may directly request physical items through the Link+ union catalog of participating libraries in the California/Nevada region, and for materials not found there, they may request interlibrary loan staff to obtain them, at no cost to themselves. In 2010, ILL staff instituted a rapid, a semi-automated delivery system that has greatly reduced delivery times for digitized documents to an average of 1-2 days. This allows access to articles and conference proceedings from libraries all over the country--and even internationally.

If specific collections of reference material related to construction exist at your institution, describe where these materials are located (e.g., central library, departmental library, electronic holdings, etc.).

The majority of construction-related publications are available at the Robert E. Kennedy Library. It has both quiet and group 24-hour study spaces, and longer full-service hours than any library in

the California State University system. Additionally, a small collection of relevant material is located in the College of Architecture and Environmental Design's Neel Resource Center.

6.3. INFORMATION SYSTEMS AND TECHNOLOGICAL EQUIPMENT

Describe the computational equipment and software available to students to enable them to attain required Learning Outcomes. Describe the computational equipment and software available to faculty to support their scholarly and professional activities.

The Construction Management (CM) program provides students and faculty with access to advanced computational equipment and industry-standard software to support the attainment of Program Learning Outcomes (PLOs) and to maintain alignment with current construction industry practices.

The CM Department implements a laptop requirement for all students enrolled in the program so that they have consistent access to required technology. Students are required to own or have access to a laptop that meets specified performance standards capable of running industry-standard construction software. This requirement ensures that all students can fully participate in coursework, both inside and outside the classroom, and engage in collaborative, project-based learning environments. Here is the link to the CM laptop requirements:

<https://construction.calpoly.edu/content/prospective/laptop-requirements>

In addition to personal laptops, students have access to university-managed computer labs and department-supported instructional spaces equipped with high-performance workstations. These resources support software applications such as Building Information Modeling (BIM), scheduling, estimating, and simulation tools.

Cal Poly students, faculty, and staff may download various software titles at no cost or purchase software at a significant discount. Below is a list of commonly used industry-standard software throughout the curriculum:

- BIM and design coordination tools (e.g., Autodesk Revit, Navisworks, Revizto, CM Builders)
- Construction management platforms (e.g., Autodesk Construction Cloud, Procore)
- Scheduling and planning tools (e.g., Primavera P6, Microsoft Project)
- Estimating and cost control software (e.g., HCSS, RS Means)
- Document management and collaboration tools (e.g., Bluebeam)

Every Cal Poly student, faculty, and staff receives a OneDrive account with 500 gigabytes of cloud storage. OneDrive is an app in the Office 365 suite that allows users to upload and share files, and create and edit Microsoft Word and Excel documents via web browser, mobile or desktop app. Multiple people can work on a document in real-time and OneDrive provides automatic versioning and document history. OneDrive is approved for the storage of Cal Poly Level 1 data (with the exception of payment card data and protected health information). Level 1 data is not permitted to be shared outside of the university.

The CM Department utilizes Microsoft SharePoint sites to support communication, collaboration, and document management among faculty and staff. SharePoint serves as the primary repository

for curriculum materials, assessment reports, accreditation documents, committee records, advising resources, policies, and departmental procedures. The platform enables faculty and staff to collaborate on curriculum development, outcomes assessment, strategic planning, and daily operations through shared workspaces and version-controlled documents. This centralized system improves information sharing, operational efficiency, and continuity of departmental activities.

For courses delivered by alternate methods, describe the type of technical support given the students.

Students who need assistance with online course content or with computer fundamentals can contact Cal Poly's ITS (Information Technology Services) Service Desk at <https://tech.calpoly.edu/>, by phone or email, or they can find help in person at the Service Desk in Robert E. Kennedy Library on campus.

When this Section is complete, upload it to the appropriate sub-folder within your institution's folder on the ACCE internet-accessible file space:

Semester - Institution - Self-Study Documents / Section 6 - Physical Resources