



Higher Education

CEMS Engineering | Architecture offers a comprehensive range of design solutions to satisfy even the most diverse higher education program requirements. From concept to completion, this team of planning, design, and construction experts works with clients to make visions become reality.

Our philosophy of a holistic, collaborative, and integrated approach brings together all the necessary disciplines from the beginning to the end of a successful project. The CEMS office is viewed as a “communal workroom” for the collaborative efforts of all team members including the client, contractor, and consultants. An aesthetically pleasing exterior, attractive interior, functional floor plan, and a thoughtful combination of building systems are the cornerstones of a quality facility.

CEMS develops designs that incorporate cost-effective solutions, while addressing sustainable architecture and engineering practices that are good for both the client and

- + Architecture
- + Structural Engineering
- + Civil Engineering
- + Mechanical Engineering
- + Electrical Engineering
- + Fire Protection Engineering
- + Commissioning Services
- + Master Planning
- + LEED Consultation
- + Program management
- + Facility and project programming
- + Request for Proposal (RFP) development
- + Space planning and utilization studies
- + Site planning and analysis
- + Feasibility Studies
- + Building permit drawings
- + Code review/consultation
- + GIS

CEMS Engineering, Inc.

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**Charleston Southern University, Football Complex Renovation
North Charleston, SC**

CEMS provided architecture, civil, electrical, mechanical, and structural engineering on this renovation that will include a new entry plaza, new accessible ramp, ticket booth, berm encircling the south endzone, landscaping improvements and fencing around the current football/track complex. The design uses several “Lowcountry” elements to give the stadium a better sense of place, presence on the campus and aesthetic.



**Berry Dormitory HVAC Renovations
College of Charleston– Charleston, SC**

CEMS provided mechanical and electrical engineering services for this HVAC renovation project at College of Charleston’s Berry Hall located at Calhoun Street and St. Philips Street in Charleston, South Carolina. The Joe E. Berry Jr. Hall is a six-story dormitory that houses primarily women freshmen and upperclassmen. The dormitory suite layout consists of two bedrooms with a shared bathroom and living room.



**Citadel Columbarium
Charleston, SC**

CEMS provided civil, mechanical, electrical, and structural engineering for the renovation of the The Citadel Columbarium. The renovation included an additional floor, elevator, organ, spiral stair case, handicap ramp, specialized lighting, and new HVAC. The Columbarium is housed in The Thomas Dry Howie Memorial Carillon and is reserved for Citadel alums, spouses and family members.



**Strom Thurmond Building Renovation
Charleston Southern University- North Charleston, SC**

CEMS provided mechanical, plumbing, electrical, and structural design services and contract documents for permitting and construction requirements for the renovation of a 5,000 SF office space on the second floor of the Strom Thurmond Building. The design included: new HVAC, new Plumbing, electrical System for HVAC, analyzing the existing roof structure for new HVAC units and designed new steel support frame.