Why The Citadel is Right for You

The Citadel is ranked by *U.S. News & World Report* (2012, 2013, 2014) as the No. 1 Best Public University in the South offering up to a master’s degree. Within The Citadel Graduate College, 95% of the faculty have PhD’s or the highest degree offered in their particular discipline, which assures that students obtain the knowledge, skills and ideas needed to gain a competitive advantage in their career.

The Citadel is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, an institutional accrediting body recognized by the Council on Postsecondary Education. The Commission on Colleges of the Southern Association of Colleges and Schools accredits The Citadel to award Bachelor’s, Master’s, and Specialist degrees.

The courses in the Systems Engineering Management program are offered at the Lowcountry Graduate Center (LGC). Created through a partnership of the College of Charleston, The Citadel and the Medical University of South Carolina, the LGC was developed to expand the opportunities for graduate education in the region. The LGC is centrally located in North Charleston. For more information about the LGC, visit www.lowcountrygradcenter.org.
About the Program

The Graduate Certificate in Systems Engineering Management (SEM) provides a comprehensive approach to the management and delivery of complex, multi-disciplined technical solutions. The program addresses all aspects of the process - from requirements definition to development, production and disposal with an emphasis on management.

The program presents systems engineering as a well-developed body of knowledge with established methodologies and techniques from a management perspective to a wide range of industries. Standard project and program management processes are examined and integrated with aspects of systems engineering.

Course content is geared toward industry professionals interested in developing their systems engineering knowledge and performance competencies. Industry-based case studies and assignments, performed by individual students and in collaborative teams, are used to develop integrated systems thinking and management competencies. The International Council on Systems Engineering (INCOSE) Systems Engineering Handbook serves as a primary textbook and reference for competency and knowledge development.

This program offers career and professional development opportunities for program managers, project managers, lead systems engineers, management professionals and practicing engineers.

Program Requirements

The Graduate Certificate in Systems Engineering Management program is comprised of four graduate-level courses (three required plus one elective) where students engage in both traditional and virtual classrooms that promote systems thinking and related competencies in general use throughout a broad spectrum of industries. The course focus will be on managing the development, verification, and delivery of an integrated and balanced set of systems, resources, and process solutions to satisfy customer needs.

Students must complete three required courses and one of the elective courses identified below:

Required Core Courses:
PMGT 680 Systems Engineering Management Fundamentals
PMGT 681 Requirements Development and Management
PMGT 682 System Verification and Validation

Elective Courses (select one):
PMGT 683 Systems Modeling and Integration
PMGT 684 Human System Integration
PMGT 685 Decision and Risk Analysis

Up to four courses in the SEM program may be used in completing the requirements for the Master of Science in Project Management. Please see your advisor for eligibility.

Please refer to The Citadel Graduate College catalog for a complete list of admission requirements and course descriptions.