GENERAL INFORMATION

PURPOSE OF CATALOG
The purpose of this catalog is to give a general description of Clemson University and to provide prospective students with detailed information regarding the various colleges and departments within the University and curricula offered by the University. Inasmuch as the educational process necessitates change, the information and educational requirements in this catalog represent a flexible program which may be altered where such alterations are thought to be in the mutual interest of the University and its students.

The provisions of this catalog do not constitute a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change without notice any fee, provision, offering, or requirement in this catalog and to determine whether a student has satisfactorily met its requirements for admission or graduation. The University further reserves the right to require a student to withdraw from the University for cause at any time.

Each curriculum shall be governed by the requirements in effect on the date of enrollment. If a student withdraws from the University and subsequently returns or does not remain continuously enrolled (summers excluded), the requirements in effect at the time of return will normally prevail.

STUDENT RESPONSIBILITY
All colleges and departments establish certain academic requirements that must be met before a degree is granted. Advisors, department chairs, and deans are available to help the student understand and meet these requirements; but the student is responsible for fulfilling them. If, at the end of a student's course of study, the requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for students to acquaint themselves with all academic requirements throughout their college careers and to be responsible for completing all requirements within prescribed deadlines and time limits.

HISTORY
When one man of wisdom and foresight can look among the despair of troubled times and imagine what could be, great things can happen. That is what the University's founder, Thomas Green Clemson, was able to do in the post-Civil War days. He looked upon a South that lay in economic ruin, once remarking that "conditions are wretched in the extreme" and that "people are quitting the land." Still, among the ashes he saw hope. Joined by his wife, Anna Calhoun Clemson, Mr. Clemson envisioned what could be possible if the South's youth were given an opportunity to receive instruction in scientific agriculture and the mechanical arts. He once wrote, "The only hope we have for the advancement of agriculture (in the U.S.) is through the sciences, and yet there is not one single institution on this continent where a proper scientific education can be obtained." When he was president of the Pendleton Farmers Society in 1866, Mr. Clemson served on a committee whose purpose was to promote the idea of founding an institution for "educating the people in the sciences" and "which will in time secure permanent prosperity."

When he died on April 6, 1888, a series of events began that marked the start of a new era in higher education in the state of South Carolina, especially in the study of science, agriculture, and engineering. Mr. Clemson's passing set the stage for the founding of the university that bears his name—the beginning of a true "people's university," which opened the doors of higher education to all South Carolinians, rich and poor alike. In his will, which was signed November 6, 1886, Mr. Clemson bequeathed the Fort Hill plantation and a considerable sum from his personal assets for the establishment of an educational institution of the kind he envisioned. He left a cash endowment of approximately $80,000 as well as the 814-acre Fort Hill estate to South Carolina for such a college. The biggest obstacle in the creation of an agricultural college—the initial expense—was removed by Mr. Clemson's bequest.

On November 27, 1889, Governor Richardson signed the bill accepting Thomas Clemson's gift. Soon after, a measure was introduced to establish the Clemson Agricultural College, with its trustees becoming custodians of Morrill Act and Hatch Act funds made available for agricultural education and research by federal legislative acts. The founding of Clemson Agricultural College supplanted the South Carolina College of Agriculture and Mechanics, which had been designated in Columbia in 1880.

Thomas Green Clemson came to the foothills of South Carolina when he married Anna Maria Calhoun, daughter of South Carolina's famous statesman John C. Calhoun.

Born in Philadelphia, Mr. Clemson was educated at schools both in the United States and France, where he attended lectures at the Royal School of Mines, studied with prominent scientists in the private laboratories of the Sorbonne Royal College of France, and received his diploma as an assayer from the Royal Mint in Paris. Mr. Clemson, then in his mid-20s, returned to America greatly influenced by his European studies. He became a great advocate of the natural sciences, achieving a considerable reputation as a mining engineer and a theorist in agricultural chemistry. He also was a gifted writer whose articles were published in the leading scientific journals of his day, an artist and a diplomat who represented the U.S. government as chargé d'affaires to Belgium for almost seven years.

Mr. Clemson had a lifelong interest in farming and agricultural affairs. He served as the nation's first superintendent of agricultural affairs (predecessor to the present secretary of agriculture position) and actively promoted the establishment and endowment of the Maryland Agricultural College in the 1850s. Though remembered today for these accomplishments, Thomas Clemson made his greatest historical contribution when, as a champion of formal scientific education, his life became intertwined with the destiny of educational and economic development in South Carolina. Although he never lived to see it, his dedicated efforts culminated in the founding of Clemson Agricultural College.

At the time of his death, Mr. Clemson was living at the Fort Hill homeplace, which today is a national historic landmark and provides a historic centerpiece for the Clemson University campus. He had inherited the house and plantation lands of his famous father-in-law, Senator Calhoun, upon the death of Mrs. Clemson in 1875.

Clemson College formally opened in July 1893, with an enrollment of 446. From the beginning, the college was an all-male military school. It remained this way until 1955, when the change was made to "civilian" status for students and Clemson became a coeducational institution. In 1964, the college was renamed Clemson University as the state legislature formally recognized the school's expanded academic offerings and research pursuits.

On November 27, 1989, the University observed the 100th anniversary of the State's acceptance of the terms and conditions of Mr. Clemson's bequest.

The enrollment of Clemson has grown from 446 students at the opening of the University to 17,585 for the first semester 2007-2008. Since the opening of the University, 102,484 students have been awarded Bachelor's degrees. During this same period, 426 Associate degrees, 28,221 Master's, 350 Education Specialist, and 3,014 Doctor's degrees have been awarded, a total of 134,495 degrees.

Today, more than a century later, the University is much more than its founder ever could have imagined. With its diverse learning and research facilities, the University provides an educational opportunity not only for the people of the State, as Mr. Clemson dreamed, but for thousands of young men and women throughout the country and the world.

THE CAMPUS
The 1,400-acre University campus is sited on the former homestead of statesman John C. Calhoun. Nestled in the foothills of the Blue Ridge Mountains and adjacent to Lake Hartwell, the campus commands an excellent view of the mountains to the north and west, some of which attain an altitude of over 5,000 feet above mean sea level.

The Norfolk and Southern Railway and U.S. Highways 76 and 123 provide easy access to the City of Clemson and to the University. Oconee County Airport is four miles from the library. Both Atlanta and Charlotte are two hours driving time away.

Campus architecture is a pleasing blend of traditional and modern facilities enhanced by a beautiful landscape of towering trees, grassy expanses, and flowering plants. Academic, administrative, and student service buildings on campus represent an insured value of $627 million. Clemson University's real estate holdings include over 32,000 acres of forestry and agricultural lands throughout the state, the majority of which are dedicated to Clemson's research and public-service missions.
General Information

Fort Hill, the former home of John C. Calhoun inherited by Thomas Clemson, and the Hanover House are listed on the National Register of Historic Places and are open to the public. The campus also has two recognized Historic Districts.

The Strom Thurmond Institute houses the institute offices, Senator Thurmond’s papers and memorabilia, and the special collections of the Cooper Library including papers of John C. Calhoun and James Byrnes, the most important South Carolinians since 1787. The Institute is a part of an instructional and public-service district that includes the Brooks Center for the Performing Arts and the Madren Center for Continuing Education. In addition, the University offers limited graduate and undergraduate coursework in Greenville, SC, and is building a graduate and research center, the International Center for Automotive Research (ICAR), also in Greenville.

VISION STATEMENT
Clemson University will be one of the nation's top-20 public universities.

MISSION STATEMENT
The mission of Clemson University is to fulfill the covenant between its founder and the people of South Carolina to establish a "high seminary of learning" through its historical land-grant responsibilities of teaching, research, and extended public service. Clemson University is a selective, public, land-grant university in a college-town setting along a dynamic southeastern corridor. The University is committed to world-class teaching, research, and public service in the context of general education, student development, and continuing education. Clemson's desire is to attract a capable, dedicated, and diverse student body of approximately 12,000 to 14,000 undergraduate and 4,000 to 5,000 graduate students, with priority to students from South Carolina.

Clemson offers a wide array of high quality baccalaureate programs built around a distinctive core curriculum. Graduate and continuing education offerings respond to the professions, while doctoral and research programs contribute to the economic future of the state, nation, and world. The University emphasizes agriculture, architecture, business, education, engineering, natural resources, science, and technology. The University also promotes excellence in education and scholarship in selected areas of the creative arts, health, human development, the humanities, and social sciences. In all areas, the goal is to develop students' communication and critical-thinking skills, ethical judgment, global awareness, and scientific and technological knowledge. Students remain the primary focus of the University.

Just as Clemson values its students, the University also values its faculty and staff who have committed their talents and careers to advance its mission. Clemson pledges to support their work, to encourage their professional development, to evaluate their professional performance, and to compensate them at nationally competitive levels.

ACCREDITATION
Clemson University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the Bachelor's, Master's, Education Specialist, and Doctor's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4500 for questions about the accreditation of Clemson University.

Curricula are accredited by AACSB International (Association to Advance Collegiate Schools of Business), Accreditation Board for Engineering and Technology, American Council for Construction Education, American Dietetic Association (CADE), American Society of Landscape Architects, Commission on Collegiate Nursing Education (CCNE), Council for Accreditation of Counseling and Related Education Programs (CACREP), National Architectural Accrediting Board, National Association of Schools of Art and Design, National Council for Accreditation of Teacher Education, National Planning Accreditation Board, and Society of American Foresters. Documentation of accreditation is available in the college deans' offices.

ADVISING POLICY
To ensure that students receive both personal and professional assistance in navigating through curriculum and University requirements toward degree completion and graduation, the Academic Council adopted the following policy. Each student is assigned to an academic advisor (either professional advisor or faculty advisor) upon admission to the University. Responsibilities of the student and the advisor are clearly delineated in the advising process. The University maintains continual and systematic assessment of the process. The University Academic Advising Committee is responsible for implementing specific guidelines and evaluating effectiveness.

Goal I—The following University mission statement on academic advising shall be widely disseminated and implemented:

Academic advising is an ongoing educational process that connects the student to the University. Academic advising supports the University's mission of preparing the student for learning beyond the confines of the academy. Academic advisors represent and interpret University policies and procedures to the student and help the student navigate the academic and organizational paths of the institution.

Goal II—The University shall demonstrate a continuing commitment to effective academic undergraduate and graduate advising through appropriate recognition, communication, policies, and funding.

Goal III—Each college and department shall develop a plan of action for continued commitment to effective academic advising consistent with the University’s philosophy.

Goal IV—Academic advisors (faculty and professional staff) shall demonstrate effective academic advising consistent with the University, college, and departmental philosophies.

Goal V—Students shall be informed of their personal responsibilities in the advising process.

LIBRARIES
The Libraries’ Web site at www.lib.clemson.edu provides access to a multitude of information resources, including the library catalog, hundreds of databases, over 34,000 electronic journals, and information regarding library services.

The Libraries’ services include circulation, reference, interlibrary loan, class instruction, and tours. Cooper Library houses a computer lab (maintained by CCIT), Java City Cyber Café, Snax & Stax convenience store, and a popular reading and audiobooks collection. Equipment available includes photocopying, scanners, fax machines, and wireless laptops in Cooper Library and a color laser printer, engineering plotter, and large-format copier in the Gunnin Architecture Library.

The Clemson University Libraries consist of a main library and three branches. R. M. Cooper Library, Clemson’s main library, is located at the center of campus. Most of the books and journals are located there, as well as government publications, microforms, and electronic materials. The Gunnin Architecture Library in Lee Hall contains collections that focus on architecture, city and regional planning, construction science, landscape architecture, and visual arts. Special Collections, on the lower level of the Strom Thurmond Institute, houses the rare book collection, University Archives, and many manuscript collections, including the papers of John C. Calhoun and Thomas Green Clemson. The Chemistry Reading Room in Hunter Chemistry Building contains periodical literature related to chemistry.

Total holdings for the library system include more than 1.8 million items in the form of books, periodicals, electronic resources, government publications and patents, musical recordings, DVDs and videos, audiobooks, maps, and microforms.

COMPUTING RESOURCES
Clemson Computing and Information Technology (CCIT) supports the computing needs of students and employees with comprehensive services including laptop support, training, printing, computer repair, software licenses, wireless access points, network and information security, course management system, and more.

CCIT also maintains numerous computer labs throughout the campus, five of which are public access. The labs contain high-end PCs running Windows XP and laser printing equipment. Students have access to the Internet, e-mail, Google Apps for Education, and Microsoft Office Suite, which includes Word, Excel, and PowerPoint applications.

CCIT provides computer training and support to faculty, staff, and students in the use of the MyCLEM portal and the Web-based course management system (Blackboard), the Clemson computer network, e-portfolios, and many desktop applications. Training is offered as part of regular University courses, through short courses, through special training programs, and through e-learning courses. Distance-learning processes and technologies are also supported with the goal of enhancing the design, production, and delivery of an increasing
number and variety of University distance education courses. On-line registration and a complete list of courses are available at ccit.clemson.edu.

CCIT Customer Support Center
CCIT provides support and consulting in a comprehensive Customer Support Center (CSC) located in the University Union. The CSC serves as a central point of contact for those who need general computing assistance, laptop support, and consulting services. A satellite CCIT Help Desk is located in the Cooper Library on Level 5. This Help Desk can assist students in the use of hardware, software, and services. Students and employees may call (864) 656-3494, e-mail ITHELP@clemson.edu, or check the information and hours of desk operations at ccit.clemson.edu.

Wireless Access
The campus computer network can be accessed through wired network connections found in all on-campus residences or through the University’s extensive wireless network. This wireless access network provides coverage to most areas of Clemson’s campus. Students wishing to connect to the wireless network are encouraged to buy a wireless card with Cisco certified extensions. More information and complete coverage details, including a list of compatible wireless cards, can be found on the CCIT Web site.

Security
Clemson University requires all users to run virus protection and install the latest operating system patches on their computers. Clemson has a site license for the McAfee products, VirusScan (Windows), and Virex (MacOS). These are located on the Software Archive at download.clemson.edu.

Laptop Program
All undergraduate students are required to have a laptop. While students may bring any laptop that meets the minimum specifications, recommended laptops are posted at laptop.clemson.edu. Clemson University has worked with vendors to offer recommended laptops at special discounted prices. Students using the recommended laptops will receive both software and hardware support. Limited support is also offered to students who have non-recommended laptops.

As part of the CCIT Customer Support Center services, student employees are available to perform diagnostics and software assistance on laptops. Repair technicians are on hand to do warranty repairs on the recommended Clemson laptops, and many spare parts for these laptops are kept in stock. Students whose laptops must be in PC Repair for an extended period of time may check out a loaner laptop, subject to availability. Only students who have one of the recommended laptop models in for repair may take advantage of the loaner service; however, many other brands of computers can also be serviced and repaired.

Additional information is available at ccit.clemson.edu or by e-mail from ITHELP@clemson.edu.

CALHOUN HONORS COLLEGE
Established in 1962, Calhoun Honors College strives to enrich the educational experience of highly motivated, academically talented students by providing opportunities for scholarship and research not always available to undergraduates.

Freshman admission to Calhoun Honors College requires the submission of an application separate from and in addition to the application for undergraduate admission to Clemson University. In addition to the student's application, the Honors College requires a copy of the student’s high school transcript and two letters of recommendation, one from a high school guidance counselor and one from a teacher. Admission is highly selective and is based, in part, on the quality of the applicant pool and the availability of space for freshmen in the Honors College.

Currently-enrolled Clemson students may apply for membership if they are full-time, degree-seeking undergraduates and have earned a cumulative grade-point ratio of 3.50 or higher as full-time students at Clemson. Students must have at least four semesters remaining to complete their degree requirements.

Special opportunities include summer study programs in Brussels, Belgium, and India and EU-REKA!, a summer research program for entering freshmen. Each of these programs requires a separate application.

The Calhoun Honors College is institutionally responsible for nationally competitive fellowships and awards including Rhodes, Marshall, Truman, Goldwater, and Fulbright.

In addition to the intellectual challenge of Honors, advantages of membership include priority course scheduling, honors housing (on a space-available basis), extended library loan privileges, and special lectures and cultural events.

Additional information is available at www.clemson.edu/cuhonors.

COOPERATIVE EDUCATION
The Cooperative Education Program is a planned program in which students combine alternate periods of academic study and periods of related work with a participating business, industry, agency, or organization. Work periods normally take place during the sophomore and junior years (including summers), while the freshman and senior years are spent in full-time study.

Students may qualify to participate as a part-time co-op student during the academic year to explore opportunities abroad. Students may apply for the Cooperative Education Program by satisfactorily completing three semesters of academic work. Transfer students may also transfer for many of the programs abroad.

Internships and work abroad programs are also available. Applications are usually due in October for spring programs, in March for fall and academic programs, and not later than April for summer programs. Interested students are encouraged to contact International Affairs, E-309 Martin Hall, at the beginning of each semester and throughout the academic year to explore opportunities abroad.

RESERVE OFFICERS TRAINING CORPS
Air Force and Army
The Departments of the Air Force and the Army maintain ROTC units at Clemson University. Their mission is to produce officers of high quality for technical and nontechnical careers in the U.S. Air Force and Army. Two-, three-, and four-year programs are available. The four-year program consists of the basic course for freshmen and sophomores and the advanced course for juniors and seniors.

Scholarships, available to selected ROTC students, pay for tuition, books, and laboratory expenses, in addition to a variable stipend ranging from $250–400 per month during the school year. Non-scholarship advanced cadets also receive a stipend. Basic course credit may be awarded to students having prior military service.
Selected advanced Air Force cadets receive flight training at government expense. Reserve or National Guard duty can be guaranteed by the U.S. Army. Cadets who complete the Advanced or Professional Course and satisfy commissioning requirements are appointed Second Lieutenants. Ample opportunity exists for graduate study in both services, with temporary deferments possible.

HONOR ORGANIZATIONS

Clemson University has a number of academic honorary societies which recognize outstanding scholarship by students, faculty, and staff:

- Alpha Epsilon Delta (Premedical)
- Alpha Epsilon Lambda (Graduate Students)
- Alpha Kappa Delta (Sociology)
- Alpha Lambda Delta (Freshmen)
- Alpha Pi Mu (Industrial Engineering)
- Alpha Zeta (Agriculture)
- Beta Alpha Psi (Accounting and Financial Management)
- Beta Gamma Sigma (Business)
- Blue Key (Juniors and Seniors)
- Calhoun Honors Society (Honors College)
- Chi Epsilon (Civil Engineering)
- Eta Kappa Nu (Electrical and Computer Engineering)
- Eta Sigma Gamma (Health Education)
- Gamma Epsilon Tau (Graphic Communications)
- Golden Key National Honor Society (Juniors and Seniors)
- Kappa Delta Pi (Education)
- Keramos (Ceramic and Materials Engineering)
- Mortar Board (Seniors)
- Mu Beta Psi (Music)
- Mu Kappa Tau (Marketing)
- Omicron Delta Epsilon (Economics)
- Omicron Delta Kappa (Leadership)
- Order of Omega (Seniors)
- Phi Kappa Phi
- Phi Psi (Textiles)
- Phi Sigma Pi (Honorary)
- Pi Delta Phi (French)
- Pi Sigma Alpha (Political Science)
- Pi Tau Sigma (Mechanical Engineering)
- Psi Chi (Psychology)
- Sigma Tau Delta (English)
- Tau Beta Pi (Engineering)
- Tau Sigma Delta
- Upsilon Pi Epsilon (Computer Science)
- Xi Sigma Pi (Forestry)

CLEMSON UNIVERSITY EXPERIMENT STATION

The Clemson University Experiment Station is part of a nationwide system of scientists working to improve the quality of life for people in their home state, the nation, and the world.

Both undergraduate and graduate students work with researchers to develop science-based information needed to address issues such as agricultural productivity and profitability, economic and community development, environmental conservation, food safety and nutrition, and youth development. Clemson scientists have been involved in agricultural and forestry research since the University was founded in 1889. Today research is conducted in state-of-the-art laboratories, as well as on farms and forests on the Clemson campus and at five research and education centers strategically located in the state’s distinct soil and climate regions.

Clemson researchers collaborate with colleagues on studies that span the globe. These include the genetic structure and functions for plants and animals, the impact of urban sprawl on the environment, techniques to reduce bullying in schools, the active ingredients in medicinal plants, and the use of nanotechnology in food packaging to detect contamination. Their work has produced more than 100 new varieties of food and fiber crops and more than 40 patents. Each year work is conducted on more than 150 projects funded through federal, state, and private sources, including the U.S. Department of Agriculture, the U.S. Forest Service, the National Science Foundation, the South Carolina General Assembly, and corporate partners.

CLEMSON UNIVERSITY FOUNDATION

The Clemson University Foundation is a nonprofit organization that solicits, manages, and administers gifts from private sources for academic programs at Clemson University. Chartered in 1933, the Foundation is a primary component of the Advancement Program at the University. There are 36 elected members of the Board of Directors. Currently, 34 of the 36 are Clemson alumni. The Board also includes six automatic directors; 14 ex officio directors, including a graduate and an undergraduate student representative; and 14 honorary directors. The Foundation operates through committees that report via an Executive Committee to the full Board. These include the Finance Review, Development, Investment, Nominations, and Policy and Constitution Committees. The Audit Committee is responsible directly to the Board. Fund raising is managed by the Development Committee and, if applicable, a Campaign Executive Committee. This includes solicitation of annual, major, planned, corporate, and foundation gifts in support of University priorities and coordination of college-based fund-raising initiatives. Organizations affiliated with the Clemson University Foundation include the Clemson University Continuing Education/Conference Complex Corporation, the Clemson University Real Estate Foundation, and the Wallace F. Pate Foundation for Environmental Research and Education. As of June 30, 2007, the Clemson University Foundation managed approximately 1,300 endowments. The combined CUF-CU managed investment portfolio totaled $375 million.

CLEMSON ALUMNI ASSOCIATION

The Clemson Alumni Association’s action phrase is “Your Lifelong Connection to Clemson.” Their mission is to serve, to inform, to involve. The Alumni Association works for the more than 105,000 alumni located around the world, sponsoring programs to provide a link between students of yesterday, today, and tomorrow.

In conjunction with volunteers and traveling University staff, Clemson Clubs and Clemson activities are conducted around the world. Alumni are kept informed through the award-winning Clemson World magazine and at alumni.clemson.edu. Students, alumni, and constituency programs, as well as publications and electronic resources, form the basis for an array of services offered to alumni, students, parents, and friends of the University.

All services of the National Alumni Association are coordinated out of the Alumni Center, a campus focal point built, furnished, and equipped entirely by gifts from alumni specifically for that purpose. The University Visitors Center, a gift of the Class of 1944, is adjacent to the Alumni Center and is an excellent stop for anyone visiting or returning to campus.

Alumni-sponsored awards programs such as Alumni Distinguished Service, Alumni Fellows, professorships, scholarships, and awards for outstanding teaching, research, and public service are among the prestigious awards given by the Clemson Alumni Association.

Alumni employees coordinate the Alumni Career Services program and the activities of the open-membership student organization, Student Alumni Association. From the Welcome Back Festival held each August to the Senior Picnic held each May, the Alumni Association provides a lifelong connection to Clemson.

CAMPUS VISITS AND TOURS

One of the best ways to discover all Clemson has to offer is through a visit to the campus. The Class of 1944 Visitors Center helps host prospective students’ Clemson experience. Information, audio-visuals, parking passes, and tours are all easily accessible. The Visitors Center is located just off of Highway 93 adjacent to the Alumni Center. Normal hours of operation are Monday–Friday, 8:00 A.M.–4:30 P.M.; Saturday, 9:00 A.M.–4:30 P.M.; and Sunday, 1:00–4:30 P.M. Hours vary according to the academic calendar, University holidays, and the home football schedule.

Walking tours, guided by volunteer student members of the University Guide Association, are available at 9:45 A.M. and 1:45 P.M. Monday–Saturday and 1:45 P.M. on Sundays. Tour schedules also vary based on the academic calendar, University holidays, and the home football schedule. Tours are conducted rain or shine, last about two hours, and include an information segment at the beginning. Reservations are highly recommended and can be arranged on-line at www.clemson.edu/visitors/index.html or by calling 864-656-4789.