GENERAL INFORMATION

PURPOSE OF CATALOG
This catalog gives a general description of Clemson University and provides 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 that 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 that 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.

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

MISSION STATEMENT
Clemson University was established to fulfill our founder’s vision of a “high seminary of learning” to develop “the material resources of the State” for the people of South Carolina. Nurtured by an abiding land grant commitment, Clemson has emerged by a legacy of service, collaboration, and fellowship beyond the despair of troubled times and imagine what could be, great things can happen. that is what the Clemson University’s founder, thomas Green Clemson, was to promote the idea of founding an institution of higher education to all South Carolinians, rich and poor alike. In his will, which he 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 John 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 in Columbia, which had been designated in 1880.

Thomas Green Clemson came to 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 upon the death of Mrs. Clemson in 1875.

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 he 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.

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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 and the state courts formally recognized the school's expanded academic offerings, Ph.D. granting status 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 20,768 for the first semester 2012-2013. Since the opening of the University, 118,971 students have been awarded bachelor's degrees. During this same period, 426 associate degrees, 32,964 master's, 386 education specialist, and 3,925 doctor's degrees have been awarded, a total of 156,672 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 Clemson University campus is sited on the former homestead of statesman John C. Calhoun. Nested 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 classical 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 more than 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.

Fort Hill, the former home of John C. Calhoun inherited by Thomas Clemson, and the Hanover House are both 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, two of the most important South Carolinians since 1877. 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.
E-mail and Accessing Your Account
Each student’s e-mail address is userid@clemson.edu. CCIT automatically creates a Google Apps for Education account at http://g.clemson.edu for all incoming students. Google Apps offers full e-mail functionality and large data storage, plus Google Calendar, Google Docs and Google Sites. Google Mail is the recommended student e-mail system, and it allows students to use Google’s e-mail with their Clemson e-mail address while at Clemson and following graduation. Student e-mail accounts (userid@clemson.edu) are automatically forwarded to their Google Mail accounts (userid@my.clemson.edu). Students can change and verify their e-mail forwarding preferences at http://www.clemson.edu/email_forwarding.

Computer Training
CCIT provides computer training and support to faculty, staff and students in the use of the MyCLE portal and the Web-based course management system (Blackboard), the Clemson computer network and many desktop applications. Training is offered as part of regular University courses, short courses, special training programs and e-learning courses. Distance-learning processes and technologies are also supported. A part-time trainer is available in the Cooper Library Learning Commons for individual and group assistance. Visit the CCIT Web site for a complete list of training resources.

Wired and Wireless Access
The university computer network is accessible through wired network connections in all on-campus residences or through the University’s extensive wireless network, which provides coverage to most areas of campus. TigerNet is Clemson’s primary wireless network, allowing students to connect securely with their Clemson user name and password. Visit the CCIT Web site for more information and complete coverage details, including a list of compatible wireless cards.

Security
Clemson University requires all users to run virus protection and install the latest operating system patches on their computers for the security of all network users. Clemson has a site license for the McAfee products, VirusScan (Windows), and McAfee Security Suite (MacOS). This and other licensed software options are available on the CCIT Web site.

Laptop Program
Laptops are required for all undergraduate and MBA graduate students. While students may bring any laptop that meets the minimum specifications, recommended laptops are posted on the CCIT Web site. Clemson University works with vendors to offer recommended laptops with custom warranties at special prices. Students with recommended laptops receive priority support on campus for both software and hardware issues as a part of their purchase package. Repair technicians on campus can complete warranty repairs on these laptops. Students with recommended laptops kept in Hardware Repair for an extended period of time may be able to check out a loaner laptop if available. CCIT also services and repairs many other brands of computers for a fee, or under manufacturer’s warranty, if applicable.

Additional Information
Additional information—including information about Google Apps for Education (GAE); computing and research, software licensing; IT e-mail alerts; ClemsonGuest wireless access service; the Acceptable Use Policy for Students; and the Clemson Apple Store—is available at http://www.clemson.edu/ccit or by e-mailing ITHELP@clemson.edu.

CALHOUN HONORS COLLEGE
Established in 1962, the 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. Honors students become part of a dynamic academic community dedicated to the study of ideas and the life of the mind. Calhoun Honors students are offered the opportunity to take a wide variety of specialized honors courses. These include a series of intensive Freshman Colloquia; Calhoun Honors Seminars emphasizing multidisciplinary approaches and contemporary issues; and numerous courses satisfying general education, major or minor requirements. Honors students are also encouraged to pursue research-based programs leading to departmental honors.

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 average of 3.50 or higher. Students must have at least four semesters remaining to complete their degree requirements.

Additional special opportunities for honors students include summer study programs in Brussels, Belgium, and India; EUREKA!, a summer research program for entering freshmen; and other study abroad opportunities. Each of these programs is competitive and 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, a series of discussion programs, and special lectures and cultural events. Visit www.clemson.edu/cuhonors for more information.

COOPERATIVE EDUCATION PROGRAM
The Cooperative Education Program (Co-op) is an academic engaged-learning program within the Center for Career & Professional Development. The program provides students with an opportunity to alternate semesters of academic study with semesters of paid, discipline-specific experience as they work and learn under a mentor in their field of study. Co-op assignments add a contextual dimension to the curriculum and challenge students to think critically and creatively as they engage in problem-solving activities and projects within the work setting. Through this program, employers serve as Teaching Partners of the University and the co-op experience becomes an integral part of the student’s education. The student’s experience is closely monitored by the co-op faculty/academic staff throughout his/her participation in the program. Cooperative Education, as the term implies, represents a collaborative effort between the University and participating employers. Students may qualify for the Cooperative Education Program after satisfactorily completing 30 credit hours of academic coursework. Transfer students may qualify in one semester. Students normally enter the program as sophomores or juniors and complete from two-five rotations in a co-op assignment. Completion of the co-op program is a curricular requirement for some majors, such as Packaging Science. Packaging Science students normally complete two back-to-back co-op rotations during a six-month period.

Students enrolled in the program register for the appropriate co-op course number (e.g. COOP 1010, 1020, etc.) for each rotation and receive a grade of Pass or No Pass. Students receive academic recognition on the transcript for completing the program, although no credit hours are awarded. Students pay a program participation fee each academic term that coincides with a co-op rotation. In responding to questions about student status related to health insurance, taxes, loans, etc., the University classifies a student on a co-op rotation as a full-time continuing student. Additional information is available at http://career.clemson.edu/coop_and_internships/ or by calling the program office at 864-656-3150.

STUDY AND WORK ABROAD PROGRAMS
Through the Office of International Affairs, students may choose from a variety of study abroad programs. Program length can range from short-term, such as during spring break, to a summer session, to a full semester or year abroad. Programs vary to fulfill the academic and discipline-specific needs of students. There are programs for every academic major at Clemson. Exchange programs are available with top institutions around the world, such as Ithaca Management School in Brussels, Belgium; the University of Aberdeen in Scotland; University of Newcastle in Australia; University of Stellenbosch in South Africa; and Universidad de Alicante in Spain. Programs are available in virtually every country in the world: Argentina, Chile, China, Czech Republic, Ecuador, England, France, Germany, Japan, Mexico, Russia, Scotland, and many more. Both Clemson-sponsored programs and exchange programs allow students to enroll and pay fees directly to Clemson while they study abroad. Transfer credit normally applies in the major with prior academic department approval. Financial aid and scholarships also transfer for many of the programs abroad.

Internships and work abroad programs are also available. Students should plan early for their study abroad experience. First priority application deadlines are usually in September/October for fall programs, in February/March for academic year, and summer programs. Interested students should contact the Office of International Affairs, E-307 Martin Hall, at the beginning of each semester and throughout the academic year to explore opportunities abroad. Additional information is available at www.clemson.edu/studyabroad or by e-mailing abroad@clemson.edu.
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 $300–$500 per month during the school year. Nonscholarship Cadets also receive a stipend. Basic course credit may be awarded to students having prior military service. 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 that 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/Seniors)
- **Kappa Delta Pi** (Education)
- **Keramos** (Ceramic and Materials Engineering)
- **Lambda Pi Eta** (Communication Studies)
- **Mortar Board** (Seniors)
- **Mu Beta Psi** (Music)
- **Mu Kappa Tau** (Marketing)
- **Omicron Delta Epsilon** (Economics)
- **Omicron Delta Kappa** (Leadership)
- **Order of Omega** (Seniors)
- **Phi Beta Kappa**
- **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 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 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 states, 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, on farms and forests on Clemson’s campus, and at five research and education centers strategically located in the state’s distinct soil and climate regions.

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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, 33 of those are Clemson alumni. The board also includes seven automatic directors; 15 ex officio directors, including a graduate and an undergraduate student representative; and 10 honorary directors.

The foundation operates through committees that report via an executive committee to the full board. These include the Audit, Finance, Development, Human Resources, Investment, Nominations, and Policy and Constitution Committees. Fund raising is in concert with the University and through 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 Foundation include the Clemson University Continuing Education/Conference Complex Corporation, the Clemson University Land Stewardship Foundation, the Clemson University Real Estate Foundation, and the Wallace F. Tate Foundation for Environmental Research and Education. As of June 30, 2012, the Clemson University foundation managed over 1,622 endowments. As of December 31, 2012, the combined CUF-CU Endowment totaled approximately $445 million.

CLEMSON ALUMNI ASSOCIATION

The Clemson Alumni Association’s action phrase is “Your Lifelong Connection to Clemson.” Its mission is to serve, to inform, to involve. The Alumni Association works for the more than 112,000 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 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 the Distinguished Service Award, 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 April, 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 the Clemson experience of prospective students. Information, audio-visuals, and tours are all easily accessible. The Visitors Center is located just off of Highway 93 adjacent to the Alumni Center. Regular 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 required and can be arranged on-line at www.clemson.edu/visitors/index.html or by calling (864) 656-4789.