GENERAL INFORMATION

A additional information can be found on the Web at www.clemson.edu.

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. Mr. Clemson envisioned what could be, 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 Mr. Orrill A. and Hatcher A. 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 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 at Belgium for nine 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) 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. C. 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, 1889, 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 17,110 for the first semester 2004-2005. Since the opening of the University, 93,656 students have been awarded Bachelor's degrees. During this same period, 426 Associate degrees, 25,660 Master's, 326 Education Specialist, 103 Doctor of Education, and 2,511 Doctor of Philosophy degrees have been awarded, a total of 122,682 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.

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.
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. 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.

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. Curricula are accredited by AACSBI International (A association to Advanc Collegiate Schools of Business), A accreditation Board for Engineering and Technology, A merican Council for Construction Education, A merican Dietetic Association, A merican Society of Landscape Architects, Computing Science Accreditation Board, Council for Accreditation of Counseling and Related Education Programs (CACREP), National A ration as Architectural Accreditation Board, National A ration as School of Architecture and Design, National Council for Accreditation of Teacher Education, National League for Nursing, National Environmental Protection Agency (NREPA), Accreditation Council on Accreditation, 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 curricula and University requirements toward degree completion and graduation, the following policy was adopted by the A cademic Council. 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's advising system is designed to be consistent with the University, college, and departmental philosophies.

Goal I — Following University advising policies and procedures shall be widely disseminated and implemented:

"A cademic advising is an ongoing educational process that connects the student to the University. A cademic advising supports student success and encourages students to learn beyond the confines of the classroom. A cademic advisors represent and interpret University policies and procedures to the student and help the student navigate the academic and organizational mandates 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 14,000 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 DCIT), Java City Cyber Cafe, Snax & Stax convenience store, and a Popular Reading and Audio books Collection. Equipment available includes photocopiers, scanners, fax machines, and wireless laptops in Cooper Library and a color laser printer, engineering plotter, and large-format copier, available in the Gunnin Architecture Library.

The University Library consists of a main library and three branches. The main library, located at the center of campus, 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, located in Hunter Chemistry Lab, contains periodical literature related to chemistry.

Total holdings for the library system include more than 1.6 million items in the form of books, periodicals, electronic resources, government publications and patents, musical recordings, DVDs and videos, audiobooks, maps, and microforms.

COMPUTING FACILITIES

The Division of Computing and Information Technology (DCIT), on the Website at dicit.clemson.edu, supports the computing activities of students and employees with a comprehensive network of computers. DCIT maintains many computer labs throughout the campus, ten of which are public access. The labs contain high-end PC running Windows XP and laser printing equipment. Students have access to the Internet, e-mail, and Microsoft Office 2003, which includes Word, Excel, and PowerPoint applications.

DCIT's Educational Technology Services (ETS) provides computer training and support to faculty, staff, and students in the use of the MyCLE portal and Web-based course management systems (Blackboard), the Clemson computer network, E-portfolios, and many desktop applications. This training is offered as part of regular University courses, through short courses and special training programs, and through E-learning courses. Complete information about MyCLE and other ETS services is available at etc.clemson.edu.

Distance-learning processes and technologies are supported by ETS with the goal of enhancing the design, production, and delivery of an increasing selection of University distance-education courses.

An extensive array of computer hardware is housed at the Information Technology Center (ITC) in the Clemson Research Park. DCIT operates a statewide computing network incorporating processors from a variety of vendors. The major general purpose computer is an IBM z800 running the OS/390 operating system and a SUN E3000 UNIX system. Novell and Solaris servers provide computing resources for client-server computing. Approximately 5,000 computers are connected to the campus FDDI/Ethernet network.
DCIT Support Center
DCIT provides support and consulting in a comprehensive Support Center located in the University Union. This Support Center serves those who need general computing services and laptop support and consultation. DCIT’s laptop, help desk, client support, and lab support groups are housed in the Support Center. Other DCIT help desks are located in M section Martin Hall and in the Coe Library on Level 5. These Help Desks assist students in the use of DCIT hardware, software, and services. Students may call 656-3494, e-mail consult@clemson.edu, or check the information and hours of operation on the Web at helpdesk.clemson.edu.

Wireless Access
The campus computer network can be accessed through wired network connections found in all on-campus residence halls and apartments or through the University’s extensive wireless network. This wireless access network provides 802.11b 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 can be found at wireless.clemson.edu.

Laptop Program
The following students are required to have laptop computers:
• College of Agriculture, Forestry, and Life Sciences—freshmen, sophomores, and juniors
• College of Architecture, Arts, and Humanities—freshmen, sophomores, and juniors
• College of Business and Behavioral Science—freshmen, sophomores, and juniors
• College of Engineering and Science—freshmen, sophomores, and juniors
• College of Education—freshmen, sophomores, and juniors

While students may bring any laptop that meets the minimum specifications, Clemson has worked with vendors to offer a recommended laptop at a special discounted price. The recommended laptop is the IBM T41 ThinkPad, with 1 GB of RAM, 40 GB of hard disk, and Windows XP Professional. The National Academic Sales Plan (NASP) program offers maximum discounts on these laptops. If students prefer a different laptop, they should consult with the vendor to determine if the laptop meets the minimum specifications.

The honors curriculum consists of two distinct programs of study. To earn General Honors, students must complete at least six honors courses of no less than three credits each. Most courses taken for General Honors also satisfy general education requirements. Departmental Honors provides opportunities for in-depth study and research in the student’s major. To receive honors credit, whether for General or Departmental Honors, each honors course must be completed with a grade of A or B. Detailed information can be found in the Honors Student Handbook.

Students completing both General and Departmental Honors are recognized at an awards ceremony on the eve of commencement, at which time they are presented the B.C. Inabinet Honors Medal. This medal, along with the student’s diploma, transcript, and commencement program, recognizes students as Calhoun Honors College scholars.

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.

Calhoun Honors College is institutionally responsible for administering the Dixon Fellows Program which helps students prepare to compete for Rhodes, Marshall, Truman, Fulbright, and other prestigious extramural fellowships.

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 in the Cooperative Education Program by satisfactorily completing 30 credit hours of academic work. Transfer students may qualify in one semester. Three, four, or five co-op work periods are projected and included in each student referral. Usually two students from the same academic area are paired to fill a full-time position.

Students enrolled in the Cooperative Education Program pay a nominal registration fee each semester or summer session which coincides with their work period. That fee enables students to maintain student status and participate in student activities and services that are normally associated with enrollment at the University; however, the fee does not cover the cost of tuition for academic courses, health service, or any of the other benefits normally associated with the standard University fee. In responding to insurance, tax, loans, and other questionnaires about status, the University classifies a student on work assignment as a full-time continuing student. The work assignment is considered an integral part of the student’s education, but no academic credit is awarded for this experience.

STUDY AND WORK ABROAD PROGRAMS
Through International Programs and Services, students may choose from a variety of programs offered overseas for a semester, academic year, or summer. Programs are varied to fulfill the needs of most students, such as the exchange programs at the University of Aberdeen in Scotland, University of New castle in Austrailia, University of Stellenbosch in South Africa, and Universidad de Alicante in Spain. There are programs for every academic major at Clemson. Programs abroad are offered in Austrailia, Belgium, Chile, China, Czech Republic, Ecuador, En gland, France, Germany, Japan, Mexico, Portugal, Russia, Scotland, Spain, and more. Both Clemson Programs abroad and the International Student Exchange Program (ISEP) allow students to enroll and pay fees directly to Clemson while they study abroad. With the ISEP and DuE3 consortia programs, students study for a semester or an academic year at one of more than 80 institutions worldwide. Transfer credit usually applies within the major with prior academic department approval. Financial aid and scholarships may also transfer for many of the programs abroad.

Internships and work abroad programs are also available. A publications are usually due in October for spring programs, in February for fall and academic year programs, and in April for summer programs. Interested students are encouraged to contact International Programs and Services, E-306 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 the nation and their service. 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.

HONOR ORGANIZATIONS

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

- Alpha Epsilon Delta (Pre-Medical)
- Alpha Epsilon Lambda (Graduate Students)
- Alpha Lambda Delta (Freshmen)
- Alpha Pi Mu (Industrial Engineering)
- Alpha Zeta (Agriculture)
- Beta A (Accounting)
- 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)
- Golden Key National Honor Society (Juniors and Seniors)
- Kappa Delta Pi (Education)
- Keramos (Ceramic and Materials Engineering)
- Mortar Board (Seniors)
- Mu Beta Psi (Music)
- Omicron Delta Kappa (Leadership)
- Order of Omega (Seniors)
- Phi Kappa Phi
- Phi Psi (Textiles)
- Phi Sigma Pi (Honorary)
- Pi Delta Phi (French)
- 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 agriculture and forestry research since 1889 when the University was founded. Today research is conducted in laboratories, 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. In addition, Clemson researchers collaborate with colleagues on studies that span the globe.

This research has produced more than 100 new varieties of food and fiber crops, as well as 35 patents. More than 100 scientists, in addition to support staff, are working on 300 projects funded through federal, state, and private sources, including the U.S. Department of Agriculture, the U.S. Forest Service, the South Carolina General Assembly, and the National Science Foundation.

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 seven automatic directors, including an undergraduate student representative; 15 ex officio directors, including a graduate student representative; and 16 honorary directors.

The Foundation operates through committees that report via an Executive Committee to the Full Board. These include the Budget Review, Development, Investment, Nominations, and Policy and Bylaws 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, 2003, the Clemson University Foundation managed more than 1,000 endowments. Its managed investment portfolio totaled $231.8 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 100,000 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 on the Web 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.

AII 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 University.

 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

The Visitors Center serves as a “front door” to the campus and offers a variety of informational services, including guided tours, audio-visuals, general and referral information, and publications about the University and surrounding area. The Visitors Center is located adjacent to the Alumni Center. 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. The Visitors Center is open on University holidays.

Guided walking tours of the campus are led by students who are members of the all-volunteer University Guiding Association. Tour times are Monday–Saturday at 9:45 A.M. and 1:45 P.M., and Sunday at 1:45 P.M. Tours begin and end at the Visitors Center. Visitors should try to arrive 10–15 minutes early. Reservations are required. For current schedule, visit www.clemson.edu/welcome/center or call 864-656-4789.