College of Architecture, Arts and Humanities

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The College of Architecture, Arts and Humanities offers advanced degrees in these areas of study:

- Architecture
- City and Regional Planning
- Construction Science and Management
- Digital Production Arts
- English
- History
- Professional Communication
- Visual Arts

Courses are offered in art and architectural history, geography, languages, performing arts, philosophy, religion, speech and women’s studies to provide electives for students in other areas. The College of Architecture, Arts and Humanities offers graduate programs in three schools: the School of Design and Building, the School of the Arts and the School of Humanities.

Graduate students in the School of Design and Building and the School of the Arts have the opportunity to study at the Charles E. Daniel Center for Building Research and Urban Studies in Genoa, Italy, which is sponsored jointly by the college and the CAF (Clemson Advancement Foundation for Design and Building). Emphasis is placed on studies related to this historic port city and the art and architectural heritage of the Italian setting. Studio and classroom work is enriched by visiting scholars and critics and complemented by scheduled field trips, both in Italy and continental Europe.

Courses of study in the Daniel Center, while under the jurisdiction of the related departments of the College of Architecture, Arts and Humanities, are administered and taught by the professors-in-residence. Studio work is the core of the Genoa program, whether in architecture, city and regional planning, construction science and management, or visual arts. All students undertake a history research project, conduct field studies and participate in a design seminar.

The School of Humanities is home to three graduate degree programs: the Master of Arts in English, History and Professional Communication. Faculty have been recipients of grants from agencies and foundations, such as the National Endowment for the Arts, the National Endowment for the Humanities and the Bingham Trust. They have also held Fulbright Senior Lectureships and Research Awards in many countries.

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The Master of Architecture is a professional degree program that develops proficiency in responding to contemporary architectural issues through a range of both practical and theoretical knowledge, while providing opportunities for creatively challenging the limits of the profession. Major emphasis is on design, accompanied in turn by complementary course work of a professional focus, as well as elective subjects. Complex studio design projects stress social awareness and contextual fit and are responsive to all aspects of the architectural process. Practical experience is a requisite part of the overall program, which is concluded with a thesis combining literary research with design synthesis.

Admission to the Master of Architecture program is based on the student’s ability to respond effectively to the intellectual rigor and creative challenge integral to graduate architecture study. This potential is measured by demonstrated proficiency in prior academic work and Graduate Record Examinations (GRE) general test scores, as well as creativeness of mind, motivation of spirit and maturity of purpose. A postbaccalaureate program of preparatory study is available to qualified applicants with backgrounds in areas other than design. More detailed information concerning application procedures and requirements may be obtained by writing or calling the School of Architecture.

The duration of study required for the Master of Architecture degree is a minimum of two academic years, and degree candidates may elect a concentration of study in either architecture or architecture and health care. The specific study plan of each student is determined in consultation with the major adviser and is intended to reflect individual educational objectives and career goals, while assuring a comprehensive development of professional competency. The graduate faculty reviews each individual student each semester of the first year to determine if he or she is performing at an acceptable level for continuance in the program. A standing committee of the graduate faculty will evaluate the oral defense. Requirements for the Master of Architecture degree include 42 credits of approved course work with a minimum grade point average of 3.0, along with acceptance of a thesis of 15 hours. During the thesis year, the student’s review is conducted by the thesis faculty.

Architecture Concentration

This inclusive course of study leading to the Master of Architecture degree affords the student an opportunity to pursue individual academic and career objectives within the context of a rigorous professionally directed architecture program. The focus of learning is the design studio, where the student is involved in a wide range of theoretical and real-world explorations. Advanced studies in technology, theory and professional practice complement design work and are accompanied by additional subjects determined in concert with the major adviser.

Although designated subjects in design and other professional studies constitute a major portion of work in this concentration, sufficient elective hours are available to establish a study plan responsive to individual interests. The choice of thesis subject provides a further opportunity for personal development.
with particular architectural topics as they relate to health and/or facility design.

Master of Science Program

The Master of Science degree in architecture is a postprofessional degree program which offers the opportunity to achieve advanced learning within the discipline of architecture and to undertake research responsive to increasingly complex challenges attendant to the built environment. This is accomplished through a foundation of course work, accompanied by directed studies within a selected area of inquiry, and followed by the critical examination of a singular aspect of architecture in a research thesis.

Admission to the Master of Science degree program is available to students who have a first professional degree in architecture and who possess the intellectual mettle and dedication of purpose necessary to respond successfully to the rigor of advanced study and independent research. This is measured by academic proficiency in prior work, a well-reasoned plan of advanced study and GRE general test scores. More information concerning application procedures and requirements may be obtained by contacting the School of Architecture.

The course work and directed studies required of the Master of Science program may be completed in one academic year, after which a variable period of time is dedicated to the research thesis. Degree candidates elect to work within one of the following areas: architecture and health care facilities, environmental issues in architecture, architectural structures and human perception, or theory and philosophy of architecture. A study plan is determined in consultation with the major adviser who, along with the advisory committee, periodically reviews the student’s work and evaluates the research thesis. Credit requirements for the Master of Science degree consist of 24 hours of combined course work and directed studies with a minimum grade point average of 3.0 and the acceptance of a six-hour research thesis.

ARCH 603: The Modern Architecture Movement, 3 cr. (3 and 0)
Seminar in the analysis and criticism of architectural and town building works. Course sequence includes historic and contemporary examples, literary searches, field trips, essays and oral reports. Prerequisite: Senior standing or permission of instructor.

ARCH 604: Current Directions in Architecture, 3 cr. (3 and 0)
Critical analysis of the development and current directions of modern movements in architecture. Prerequisite: Senior standing or permission of instructor.

ARCH 605: American Architectural Styles 1650-1950, 3 cr. (3 and 0)
Survey of American architectural styles and the architects responsible for them, from the Colonial period to our recent past. Emphasis is on identifying architectural elements that serve as clues in determining a building’s architectural style.

ARCH 612: Architectural History Research, 3 cr. (3 and 0)
Directed investigations related to the art and architectural history of Europe; may be taken a maximum of two times for credit. Prerequisite: Junior standing or permission of instructor.

ARCH 614*: Design Seminar, 3 cr. (3 and 0)
Topical issues in architecture, art, construction and planning; may be taken a maximum of two times for credit. Prerequisite: Junior standing or permission of instructor.

ARCH 615: Field Sketching, 3 cr. (0 and 6)
Media and techniques for expression, representation and visual analysis through firsthand perspective field drawing of the built and natural environment. Prerequisite: School of Design and Building students with junior standing or permission of instructor.

ARCH 616*: Field Studies in Architecture and the Related Arts, 3 cr. (0 and 9)
Documentation and analysis of architectural and environmental structures observed during European travels in graphic and written form; may be taken a maximum of two times for credit. Prerequisite: Junior standing or permission of instructor.

ARCH 624: Product Design, 3 cr. (0 and 9)
Furniture and product system design with emphasis on ergonomics and the relationship of form and materials. Prerequisite: Senior standing and permission of instructor.

ARCH 625: Energy in Architecture, 3 cr. (3 and 0)
Climate design methodology and its influence on building energy patterns and architectural form. Prerequisites: Senior standing and permission of instructor.

ARCH 626: Architectural Color Graphics, 3 cr. (3 and 0)
Architectural color graphics by computer; theories of color classification and interaction; application of color theories to art and architecture. Prerequisite: Permission of instructor.

ARCH 627: Advanced Color Graphics, 3 cr. (3 and 0)
Theories of color classification and interaction; three-dimensional color modeling by computer; advanced application of color theories to art and architecture. Prerequisite: ARCH 426/626 or permission of instructor.

ARCH 628: Computer-Aided Design, 3 cr. (2 and 3)
Concepts, skills and applications of computer-aided design as they relate to the practice of architecture. Prerequisite: Senior standing or approval of instructor.

ARCH 629: Architectural Graphics, 3 cr. (3 and 0)
Concepts, skills, techniques and strategies of visual presentation/graphics as they relate to the design professions—architects/landscape architects. Prerequisite: Junior, senior, graduate standing or permission of instructor.

ARCH 630: Theories and Philosophies of Technology and Architecture, 3 cr. (3 and 0)
Theoretical and practical examination of technology and architecture from premodern and modern viewpoints to study its nonneutral role in shaping and reflecting knowledge, beliefs and actions within a cultural context.

ARCH 631: Virtual Reality in Architecture, 3 cr. (3 and 0)
Theories and concepts of virtual reality and their use in modeling three-dimensional spaces; computer modeling, lighting and texture mapping. Projects will focus on the creation and presentation of a virtual environment. Prerequisite: Junior standing or permission of instructor.

ARCH 640: New York Field Study, 3 cr. (3 and 0)
Architecture, art, planning and urban design of New York featuring two weeks’ residence with scheduled field trips to relevant sites in all five boroughs, with counseling to determine research interests. Guidance is provided to resources in the city. A final report is required (Maymester only).

ARCH 685: Health Care Facilities, 3 cr. (3 and 0)
Concepts, organization and direction of health and health-care services within the context of health-care delivery systems. Emphasis is on mental and physical health-care facilities concepts. Prerequisite: Permission of instructor.

ARCH 688: Health Care Programming, 3 cr. (3 and 0)
Seminar on recent research and innovations in health-care facilities programming and original investigation of assigned programming problems. Prerequisite: Permission of instructor.

ARCH 699: Selected Topics in Architecture, 1-3 cr. (1-3 and 0)
Selected topics in architecture. May be repeated for a maximum of nine credits if different topics are covered. Prerequisite: Junior standing or permission of instructor.

ARCH 801: Architecture Seminar, 3 cr. (3 and 0)
Contemporary issues in the architectural profession.

* Offered only at the Daniel Center in Genoa, Italy.
ARCH 802: Phenomenology of Architecture, 3 cr. (3 and 0)
Basic principles of phenomenological methods as they apply to the theoretical understanding of modern architecture. Emphasis is on selected writings of Heidegger, Harries and Norberg-Schulz. Prerequisite: ARCH 803.

ARCH 803: Theories of Architecture, 3 cr. (3 and 0)
Evolution of architectural theories from Vitruvius to the present. Emphasis is on the writings of leading architects and theorists and the impact of these theories on architectural solutions. Prerequisite: Graduate status.

ARCH 804: Seminar in Modern Masters, 3 cr. (3 and 0)
In-depth examination of one or more related groups of architects of the 20th century. Content varies from semester to semester (Kahn, Scarpa, Barrigan, Wright, Corbusier, etc.). Prerequisite: Graduate status.

ARCH 805: Architecture and the City, 3 cr. (3 and 0)
Seminar examining contemporary theories of urban design and the design of urban buildings; real and ideal visions of cities; their representation, archaeology and iconography (Rossi, Kries, Ungers, Venturi, Duane, etc.).

ARCH 821: Research Methods, 3 cr. (3 and 0)
Foundations and procedures of architectural research; alternate research methodologies and their philosophical and epistemological limits. Prerequisite: Graduate status.

ARCH 850*: Architecture Studio, 6 cr. (0 and 18)
Architectural design studies in the context of the Genoa urban setting. May be substituted for ARCH 853 or 854 and for ARCH 857 with permission of instructor.

ARCH 853: Architecture Studio, 6 cr. (0 and 18)
Architectural design studies with emphasis on selected problem issues.

ARCH 854: Architecture Studio, 6 cr. (0 and 18)
Architectural design studies involving structured and situational problems. Prerequisite: ARCH 853.

ARCH 857: Architecture Studio, 6 cr. (0 and 18)
Architectural design studies dealing with comprehensive problem-solving situations. Prerequisite: ARCH 854.

ARCH 858: Thesis Research, 3 cr. (0 and 9)
Architectural predesign inventory and analysis for the thesis project. Prerequisite: ARCH 854.

ARCH 859: Thesis Manuscript, 1-3 cr. (0 and 3-9)
Architectural predesign synthesis of research for the thesis project. Prerequisite: ARCH 858.

ARCH 878: Lighting for Architecture, 3 cr. (3 and 0)
Interrelationships among the fields that constitute lighting and impact on building form, materials and spatial use; contributions of daylight and electric light to human response and performance. Prerequisite: CSM 403 and permission of instructor.

ARCH 881: Delivery of Architecture, 3 cr. (3 and 0)
Ethical, legal and business issues in the architectural profession. Prerequisite: Professional degree program status.

ARCH 886: Health Care Components, 3 cr. (3 and 0)
Conceptual and service functions of physical and mental health care delivery systems and facilities.

ARCH 890: Directed Studies, 1-5 cr. (1-5 and 0)
Special topics in architecture undertaken on an individual basis with faculty guidance. Prerequisite: Permission of advisor.

ARCH 891: Thesis Project, 3-9 cr. (0 and 9-27)
Complex architectural project emphasizing design exploration and independent work. Graded on a pass/fail basis. Prerequisites: ARCH 857 and 858.

City and Regional Planning

| Donald L. Collins, Chair, Department of Planning and Landscape Architecture |
| J. Terrence Farris, Director, Program in City and Regional Planning |

The two-year Master of City and Regional Planning program is a practice-oriented professional degree curriculum that emphasizes land-use planning and development and issues of the built and natural environment. The standard core curriculum provides a balanced approach that includes physical, social, economic and policy considerations. While many students choose to remain generalists, more concentrated studies are available in one of these areas: development planning, environmental planning, and urban design and land-use planning. Other specialized areas of study can be tailored in conjunction with graduate programs elsewhere on campus.

Students normally choose a concentration based on their undergraduate background. No specific undergraduate area of study is required. Options are available for students with or without a design background. The result is a rich cross section of students with a variety of interests. The relatively small enrollment (approximately 20 per class) leads to intensive faculty-student interaction. Almost all of our students have received financial aid over the past five years through departmental assistantships, Public Service Assistantships (PSAs) or research funding. These awards generally provide the equivalent of tuition plus $1,500 to $3,500 per year in graduate stipend. Ongoing public service and research projects provide a real-world dimension to the program. This orientation is enhanced by the summer internship requirement and PSA (work-study) opportunities. In addition, planning students are actively involved in Clemson’s student American Planning Association (APA) and the SC APA chapters. Graduates are well-equipped for careers in private-sector planning and development, as well as public-sector planning and administration.

The Overseas Center for Urban Studies in Genoa, Italy, is a unique support element in the M.C.R.P. program. It provides the option of a one-semester overseas study experience for design-oriented planners in an interdisciplinary program of planning, design, and fine arts. A dual degree program is available to students with a previous degree in architectural design. Students can receive both the M.C.R.P. and M.Arch. degrees in three years through an integrated curriculum.

Admission Requirements

Admission to the graduate program requires the following:
1. a bachelor’s degree from an accredited college or university;
2. a satisfactory academic record particularly in the last two years of undergraduate work;
3. an on-campus interview (highly recommended);
4. three letters of recommendation with at least two from current or former professors;
5. completion of the Graduate Record Examination; and
6. personal statement of objectives, briefly describing (in one to two pages) your interest in planning in general and Clemson’s program in particular;
7. three for-credit courses in statistics and economics are highly recommended.

Deficiencies in any of these areas may be remedied after enrollment in the graduate program. Postbaccalaureate status may be recommended in some cases.

Requirements for Degree Candidacy

The two-year Master of City and Regional Planning degree requires a minimum of 54 semester hours. Nine courses, eight of three semester hours and one six-hour studio, make up the core curriculum. The remaining courses are taken from approved electives and a thesis/terminal project option. In addition, each student is required to complete an internship (or equivalent) and a terminal project/paper or thesis.

* Offered only at the Daniel Center in Genoa, Italy.
Requirements for Awarding of a Degree

1. Thesis Option**
   a. A minimum of 54 hours of course work with a B average in the student’s prescribed professional curriculum, including the thesis, is required.
   b. A six- to nine-semester-hour planning thesis must be completed satisfactorily. Only those students who have been approved by the planning faculty and have performed satisfactorily on the comprehensive examination will be permitted this option.
   c. The final oral examination requires satisfactory answers to questions concerning the student’s thesis and concentration area.

2. Nonthesis Option**
   a. A minimum of 54 hours of course work with a B average in the student’s prescribed professional curriculum is required.
   b. An approved six-semester-hour terminal paper sequence must be completed satisfactorily. Students must perform satisfactorily on a comprehensive examination covering the core planning courses before being permitted to write the terminal paper.
   c. The final oral examination requires satisfactory answers to questions concerning the student’s terminal paper and concentration area.

Students enrolled in Clemson University’s Bachelor of Landscape Architecture curriculum may apply to the M.C.R.P. program in their fourth year of B.L.A. study. If admitted to the M.C.R.P. program, they may use their planning courses as electives that will be counted for both the B.L.A. and M.C.R.P. degrees. This can enable these students to complete the B.L.A. and M.C.R.P. degrees in a total of six years.

C R P 605: Urban Genesis and Form, 3 cr. (3 and 0) N
Origin, development and growth of cities; ever-accelerating growth of urbanism; increasing complexity of urban organism. Prerequisite: Permission of instructor or department chair.

C R P 611: Introduction to City and Regional Planning, 3 cr. (3 and 0) S
Introduces students from a variety of disciplines to city and regional planning. Spatial and nonspatial areas of discipline are explored through a wide ranging lecture/seminar program. Prerequisite: Permission of instructor or department chair.

C R P 634 (FOR 634): Geographic Information Systems for Landscape Planning, 3 cr. (1 and 6)
Geographic information systems (GIS) technology and its application to various spatial analysis problems in landscape planning; data development and management, spatial analysis techniques, critical review of GIS applications, needs analysis and institutional context, GIS hardware and software, hands-on application project.

C R P 672: Planning Process and Administration, 3 cr. (3 and 0) F
Conceptual framework of planning organizations and tools used in the planning process; potentials of planning and management approaches that address the relationship and integration between techniques and instruments. Prerequisite: Permission of instructor.

C R P 674: Real Estate “Master Builder” Development Process, 3 cr. (3 and 0) S
Real estate and land development process from the developer’s perspective. Cases and lectures are presented by leading experts in the development industry. Emphasizes participants of the development team and how to become a developer/“master builder” to create a superior built environment. Prerequisite: Permission of instructor.

C R P 683: Seminar on Planning Communication, 3 cr. (3 and 0) S
In-depth analysis of methods to effectively communicate planning and policy decisions and attempts to familiarize students with the various communication skills needed by planners, policy makers and other professionals to become successful practitioners. Prerequisite: Permission of instructor or department chair.

C R P 812: City and Regional Planning Theory, 3 cr. (3 and 0) S
Development of the planning practice and theories of planning process: historical evolution of planning practice in the U.S.; social issues in planning; theories of planning and critiques of those theories; and ethical issues in planning practice. Prerequisite: Permission of instructor or department chair.

C R P 822: Urban Systems and Design, 3 cr. (3 and 0) S
Analysis of the evolution of the physical patterns of cities through research in the historical development of urban form in Europe and America within the context of prevailing social, economic and political influences; approaches to the analysis of contemporary cities through the study of 20th century planning theorists. Prerequisite: Permission of instructor or department chair.

C R P 823: Social Policy Planning and Delivery Systems, 3 cr. (3 and 0) S
Concepts of planning social service delivery systems: basic principles, role of the public sector (at national, state and local levels), components of delivery systems, and methods for planning and evaluation. Prerequisite: Permission of instructor.

C R P 831: Physical Planning Studio, 3 cr. (3 and 0) F
Working knowledge of natural systems, infrastructure systems, land use activity, social concerns, visual/spatial topics and implementation practice.

C R P 832: Problems in Site Planning, 3 cr. (1 and 2) S
Advanced site planning and design concept studies developed through site projects; concentration on industrial, residential and recreational facilities; emphasis on use-specific site analysis and generation of development alternatives. Prerequisite: C R P 831.

C R P 834: Planning Applications of Geographic Information Systems, 3 cr. (1 and 6) S
Further studies in spatial data development and analysis skills in applied, real-world context. Students first gain competence in professional-level GIS software. Competence is solidified through completion of structured real-world GIS applications, followed by completion of individual applications projects, exploration of specialized, advanced software capabilities. Prerequisites: C R P 434/634 or permission of instructor.

C R P 835: Advanced Topics in Geographic Information Systems, 3 cr. (3 and 0) F
Seminar/laboratory devoted to development and analysis of leading edge GIS capabilities and applications; seminar focus varies from year to year, based upon developments in the GIS field and student interests. Prerequisite: C R P 834 or permission of instructor.

C R P 840: Seminar in Coastal Planning, 3 cr. (3 and 0) F
Issues relating to development and conservation of coastal environments, focusing on inherent tradeoffs between growth and environmental quality; ecology and carrying capacity of coastal areas; appropriate management approaches to balance coastal resource demand. Prerequisite: Graduate standing.

C R P 841: Seminar in Environmental Planning, 3 cr. (3 and 0) S
Current and emerging environmental issues and appropriate planning options, including population dynamics and limits to growth, entropy law, waste management and global climate change; students pursue individual research on an environmental issue of particular concern and report findings. Prerequisite: Graduate standing.

C R P 844 (PRTM 844): Outdoor Recreation Resource Management and Planning, 3 cr. (3 and 0) S
Issues relating to planning and development of natural areas for recreational purposes. Emphasis is on the policy-making process at the federal, state, regional and local levels. Prerequisite: Permission of instructor.

** Upon approval of the majority of the faculty, either a thesis or a terminal paper of up to nine semester hours may be permitted with a corresponding reduction in the required course work.
C R P 853: Planning Methods I: Theory and Technique, 3 cr. (0 and 9) F
Introduction to analytic planning methods. Material is drawn principally from the fields of economics, geography, regional science, and city and regional planning. Prerequisite: An undergraduate class in micro-economics.

C R P 854: Planning Methods II: Techniques and Applications, 3 cr. (0 and 9) S
Techniques for planning analysis, including social/economic profiles and projections, impact assessment, land use planning analysis and feasibility studies; computer modeling and simulation; students apply these techniques in studio projects. Prerequisite: C R P 853.

C R P 858: Research Methods and Thesis Planning Proposal, 3 cr. (0 and 9) F, S
Preliminary analysis of data to determine the most advisable form of terminal presentation within thesis or nonthesis options for Master of City and Regional Planning degree. Prerequisite: Permission of faculty.

C R P 859: Planning Terminal Project, 1-3 cr. (0 and 3-9) S
Student selects, with approval of advisor, and conducts research on an individual planning problem of suitable scope. Oral, written and, where appropriate, visual presentation of solution required. Student must enroll during final semester. Prerequisite: C R P 858.

C R P 860*: Planning Studio, 3-6 cr. (0 and 9-18) F, S
Planning studies related to the city of Genoa and its environs. May be substituted for C R P 854, 863 or 865 with approval of credit hours by major advisor.

C R P 863: Urban and Metropolitan Planning Studies: Studio, 3-6 cr. (0 and 9-18) N
Projects pertaining to land use, transportation, urban design, public facilities, public services, capital improvement program, etc., accomplished through individual or small group activity under guidance of planning faculty.

C R P 866: Comprehensive Planning Studio, 6 cr. (3 and 9) F
Serves as a vehicle for synthesis and application of skills developed in other courses and includes participation in one or more real-world planning projects in addition to seminars and readings devoted to development of professional practice skills. Prerequisite: Second year C R P student or permission of instructor.

C R P 868: Special Area Management Planning, 3 cr. (3 and 0) F
Issues relating to the development, implementation and evaluation of plans and programs to manage the natural resources of designated areas. Emphasis is on the policy-making process at the federal, state, regional and local levels.

C R P 870 (PO ST 870): Seminar in Sustainable Development, 3 cr. (3 and 0)
Concept of sustainable development traced from its historical roots through the popularization of the term in the international development literature; scientific base and the application of sustainability through economic sectors and building practice. Students will conduct individual/group research projects. Prerequisite: Graduate standing.

C R P 871: Growth Management and Legal Issues, 3 cr. (3 and 0) S
Basic laws and court cases relating to the comprehensive plan, implementing tools and other aspects of the planning process in the growth management context. Prerequisites: C R P 672 and permission of instructor or department chair.

C R P 872: Housing Issues in the United States, 3 cr. (3 and 0) F
Regulation, stimulation, salvage and replacement of housing through public policy administrative procedures; specific housing programs analyzed in detail.

C R P 873: Economic Development Planning, 3 cr. (3 and 0) F
Economic development planning process, focusing on applied programmatic techniques, especially at the state, local and neighborhood levels. Emphasis is on theoretical models, economic development planning process, private/public partnerships, economic development tools, political context and economic development planning administration and organization. Prerequisites: C R P 672 and 853 or permission of instructor.

C R P 881: Quantitative Methods for Urban Planning and Policy, 3 cr. (3 and 0) F
Use of quantitative information for policy analysis in planning and related fields; topics covered include measurement construction, using descriptive and inferential statistics for policy development, and computer use in planning and related professions. Prerequisite: Permission of instructor or department chair.

C R P 883: Techniques for Analyzing Development Impacts, 3 cr. (3 and 0) N
Models and techniques for analyzing development impacts in urban areas and regions; economic, fiscal, social and environmental impact methods. Operational knowledge of these techniques will be developed. Prerequisites: C R P 881 and permission of instructor.

C R P 889: Selected Topics in Planning, 3 cr. (3 and 0) F, S
Topics emphasizing current literature and results of current research. May be repeated for credit. Prerequisite: Permission of instructor.

C R P 890: Directed Studies in City and Regional Planning, 1-6 cr. (0 and 3-18) F, S, SS
Student pursues individual professional interests under guidance of city and regional planning program faculty. May be repeated for credit.

C R P 891: Planning Thesis, 1-9 cr. (0 and 1-9) F, S
Student, working individually, programs a planning problem of appropriate scope and conducts research. Oral, written and, where appropriate, visual presentation of thesis required. Prerequisite: Permission of faculty.

C R P 893: City and Regional Planning Internship, 3-6 cr. (0 and 3-18) F, S, SS
Twelve weeks of supervised professional employment in an approved planning office or agency. Monthly reports covering student's experience required. Graded on a pass/fail basis. Prerequisite: Two semesters of city and regional planning or equivalent.

C R P 894: Planning Internship Seminar, 3 cr. (3 and 0)
Seminar-based analysis of student internships, enabling students to compare experiences and gain greater understanding of professional practice by reflecting on planning issues. Graded on a pass/fail basis. Prerequisite: C R P 893.

Construction Science and Management

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The Master of Construction Science and Management degree program is designed to provide students with a high level of skill and understanding in the technical areas of construction project administration and control. Substantial emphasis is placed on advanced study in the field of business, in new and emerging techniques for construction project delivery systems, and in the administration of the construction firm. The total number of credit hours required for the Master of Construction Science and Management degree varies according to each entering student's undergraduate degree. For those who have the required undergraduate skills and knowledge, the program is 36 semester hours, of which 12 must be from the department core (C S M 860, 861, 862, 863, 864, 865 and 891) and C S M 852. In cases

* Offered only at the Daniel Center in Genoa, Italy.
Admission Requirements

1. A bachelor’s degree in construction science, construction management, building construction or related areas is required. Applicants from other disciplines may be admitted but may be required to remedy any deficiencies in course work to provide the student with the needed prerequisite skills and knowledge for the construction science and management graduate program.

2. Acceptance must be granted by the Graduate School and the Department of Construction Science and Management. Graduate School acceptance is based on performance in previous undergraduate studies and a satisfactory score on the GRE. Acceptance by the department is based on performance in undergraduate studies, three letters of recommendation and acceptance by the department Graduate Admissions Committee.

Requirements for Degree Candidacy

1. The Master of Construction Science and Management degree requires a minimum of 36 semester hours. This includes 12 semester hours of course work in the department’s core and C S M 852. In cases where the candidate does not have the necessary undergraduate prerequisite skills and knowledge, additional course work beyond the 36 semester hours may be required as noted above.

2. Each student is required to have one year of construction-related experience prior to being admitted to the program. The experience may be no older than six years from date of enrollment in the C S M graduate program.

Requirements for Awarding of a Degree

1. Thesis Option
   a. A minimum of 36 semester hours of course work with a B average in the student’s prescribed curriculum, including thesis, is required.
   b. A thesis on a construction-related topic must be completed satisfactorily. Up to nine semester hours of thesis credit may be taken. Thesis credit is included as part of the department’s core. Approval must be received from the student’s advisor prior to selecting the thesis option.
   c. Performance on a written comprehensive examination covering the student’s program of study must be satisfactory.
   d. Performance on a final oral examination relating to the student’s thesis and program of study must be satisfactory. The student must pass the written comprehensive examination prior to taking the oral examination.

2. Nonthesis Option
   a. A minimum of 36 semester hours of course work with a B average in the student’s prescribed curriculum is required.
   b. Performance on a written comprehensive examination covering the student’s program of study must be satisfactory.
   c. Performance on a final oral examination relating to the student’s program of study must be satisfactory. The student must pass the written comprehensive examination prior to taking the oral examination.

C S M 655: Reducing Adversarial Relations in Construction, 3 cr. (3 and 0)
Focus on the delivery of projects and how adversarial relations can affect the successful completion of the venture. Topics include management of human resources, understanding needs and processes of the participants, where problems lie, methods of avoiding and settling disputes. Prerequisite: Construction science and management or design major, senior standing or permission of department chair.

C S M 852: Construction Management Research, 3 cr. (3 and 0)
Research methodology applied to the construction industry. Prerequisite: Permission of instructor.

C S M 860: Construction Financial Planning and Analysis, 3 cr. (3 and 0)
Theory of financial management as it relates to the financial challenges faced by the construction firm.

C S M 861: Construction Control Systems, 3 cr. (3 and 0)
Development and analysis of cost, resource and quality control programs for a company’s construction projects.

C S M 862: Personnel Management and Negotiations, 3 cr. (3 and 0)
The role of management and unions in the construction industry. Topics include contract negotiation, collective bargaining, dispute resolution and management for productivity improvement. Prerequisite: Permission of instructor.

C S M 863: Advanced Planning and Scheduling, 3 cr. (3 and 0)
Analysis and control of construction projects using advanced techniques for planning, scheduling and resources control. Prerequisite: Permission of instructor.

C S M 864: Construction Business Strategy and Marketing, 3 cr. (3 and 0)
Techniques for business strategy development and marketing of various types of construction companies.

C S M 865: Project Management, 3 cr. (3 and 0)
Theory of project administration and control with special emphasis on the role and responsibilities of the project manager.

C S M 881: Professional Seminar, 3 cr. (3 and 0)
New and emerging methods for management of the construction or construction-related firm. Prerequisite: Permission of instructor.

C S M 890: Directed Studies, 3-6 cr.
Special topics not covered in other courses; emphasis is on field studies, research activities and current developments in building science. Prerequisite: Permission of instructor.

C S M 891: Master’s Thesis Research, credit to be arranged
With the approval of the advisory committee, the student carries on independent research and analysis. The thesis is presented orally and in writing and in strict compliance with the guidelines of the Graduate School.

Digital Production Arts

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<th>Course</th>
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<th>Credits</th>
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<td>C S M 655</td>
<td>Reducing Adversarial Relations in Construction</td>
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<tr>
<td>C S M 852</td>
<td>Construction Management Research</td>
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<td>C S M 860</td>
<td>Construction Financial Planning and Analysis</td>
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<td>C S M 891</td>
<td>Master’s Thesis Research</td>
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English

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<tr>
<td>ENGLISH 91</td>
<td>Digital Production Arts</td>
<td>3</td>
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</table>

The Master of Fine Arts (M.F.A.) in Digital Production Arts at Clemson University is a professional degree program aimed at producing graduates who will be sought by the growing electronic arts industry, particularly by those companies engaged in special effects production within the entertainment and commercial video and film industries. For more information on this interdisciplinary program, refer to page 212.

An applicant for the M.A. degree in English must present at least 12 semester credits of undergraduate English courses beyond the sophomore level; for the M.Ed. degree in secondary education with emphasis in English, an applicant must present at least nine. Entrance credits should include one course each above the sophomore level in Shakespeare and in English and American literature; students deficient in these may seek provisional admission.
M.A. students complete 25 semester credits of approved graduate courses and write a thesis, which may be developed with the approval of the Graduate Committee, from any interest area covered by the M.A. program. The nonthesis option requires 37 credits. All English M.A. students must demonstrate a reading knowledge of an approved foreign language.

At the core of the M.A. program is a 10-hour requirement, including ENGL 800 and one course from each of the following groups:

1. British literature — ENGL 805, 808, 811, 814 or an appropriate 831;
2. American literature — ENGL 820, 823 or an appropriate 831;
3. Language and composition — ENGL 885 (required of graduate teaching assistants), 801, 802, 803, 832, 835, 837 or an appropriate 831.

M.Ed. students in secondary education with emphasis in English complete a total of 37 graduate credits, including ENGL 805 and 800.

Candidates for the M.A. and M.Ed. degrees also must demonstrate proficiency in composition and pass a comprehensive oral examination.

ENGL 600: The English Language, 3 cr. (3 and 0)
Studies in English usage and historical development of the language. Prerequisite: Sophomore literature.

ENGL 601: Grammar Survey, 3 cr. (3 and 0)
Survey of modern grammars, focusing on the impact of structural grammar on traditional grammar. Recommended for English teachers. Prerequisite: Sophomore literature.

ENGL 603: The Classics in Translation, 3 cr. (3 and 0)
Examination of Homer's Iliad and Odyssey, Virgil's Aeneid and Ovid's Metamorphoses. Shorter works by other Greek and Roman writers may also be read. Prerequisite: Sophomore literature.

ENGL 604: Classical Drama, 3 cr. (3 and 0)
Selected reading in the dramatic literature of classical Greece and Rome. Prerequisite: Sophomore literature.

ENGL 605: Studies in English Literature to 1700, 3 cr. (3 and 0)
Selected reading in English literature from the beginnings to 1700, with emphasis on social and intellectual backgrounds. Prerequisite: Sophomore literature.

ENGL 606: Studies in English Literature Since 1700, 3 cr. (3 and 0)
Selected readings in English literature from 1700 to the present, with emphasis on social and intellectual backgrounds. Prerequisite: Sophomore literature.

ENGL 607: The Medieval Period, 3 cr. (3 and 0)
Selected works of Old and Middle English literature, excluding Chaucer. Prerequisite: Sophomore literature.

ENGL 608: Chaucer, 3 cr. (3 and 0)
Selected readings in Middle English from The Canterbury Tales and other works by Chaucer. Prerequisite: Sophomore literature.

ENGL 609: The Earlier English Renaissance, 3 cr. (3 and 0)
Tudor and Elizabethan poetry, prose, fiction, translations, essays and criticism. Prerequisite: Sophomore literature.

ENGL 610: Drama of English Renaissance, 3 cr. (3 and 0)
Selected readings in non-Shakespearean dramatic literature of the 16th and 17th centuries. Prerequisite: Sophomore literature.

ENGL 611: Shakespeare, 3 cr. (3 and 0)
Selected tragedies, comedies and history plays of Shakespeare. Required of all English majors. Prerequisite: Sophomore literature.

ENGL 613: Later English Renaissance, 3 cr. (3 and 0)
Nondramatic poetry and prose from Ben Jonson, John Donne and Francis Bacon through Andrew Marvell and John Bunyan, excluding Shakespeare and Milton. Prerequisite: Sophomore literature.

ENGL 614: Milton, 3 cr. (3 and 0)
The development of Milton's art and thought from the minor poems and selected prose through Paradise Lost, Paradise Regained and Samson Agonistes; set against the background of the late Renaissance. Prerequisite: Sophomore literature.

ENGL 615: The Restoration and Eighteenth Century, 3 cr. (3 and 0)
Readings in Dryden, Swift, Pope and Dr. Johnson. Prerequisite: Sophomore literature.

ENGL 616: The Romantic Period, 3 cr. (3 and 0)
Poetry and critical prose of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats and other representative figures. Prerequisite: Sophomore literature.

ENGL 617: The Victorian Period, 3 cr. (3 and 0)
Poetry and nonfiction prose of selected Victorian authors, including works of Carlyle, Tennyson, Browning, Arnold and other representative figures. Prerequisite: Sophomore literature.

ENGL 618: The English Novel, 3 cr. (3 and 0)
Study of the English novel from its 18th century beginnings through the Victorian period. Prerequisite: Sophomore literature.

ENGL 622: American Literature I, 3 cr. (3 and 0)
Major American authors and movements from the Colonial period to the Civil War. Prerequisite: Sophomore literature.

ENGL 623: American Literature II, 3 cr. (3 and 0)
Major American authors and movements from the Civil War to the early 20th century. Prerequisite: Sophomore literature.

ENGL 624: American Literature III, 3 cr. (3 and 0)
Major American authors and movements of the 20th century. Prerequisite: Sophomore literature.

ENGL 625: The American Novel, 3 cr. (3 and 0)
Survey of the most significant forms and themes of the American novel from its beginnings to 1900. Prerequisite: Sophomore literature.

ENGL 626: Southern Literature, 3 cr. (3 and 0)
Intellectual and literary achievement of the South from 1607 to the present, with emphasis upon the writers of the 19th century. Prerequisite: Sophomore literature.

ENGL 627: Agrarianism and the Humanistic Tradition, 3 cr. (3 and 0)
Importance of agriculture and rural life to the humanistic tradition of Western Civilization from antiquity through the early years of American republic. Prerequisite: Sophomore literature.

ENGL 630: Modern Drama, 3 cr. (3 and 0)
Principles and progress of drama from Ibsen to the present; analysis of representative plays; critical reports; discussion of trends in contemporary drama. Prerequisite: Sophomore literature.

ENGL 631: Modern Poetry, 3 cr. (3 and 0)
The modern tradition in English and American poetry from Yeats to the present; relevant critical essays. Prerequisite: Sophomore literature.

ENGL 632: Modern Fiction, 3 cr. (3 and 0)
American and British novels and short stories of the 20th century. Prerequisite: Sophomore literature.

ENGL 633: The Anglo-Irish Literary Tradition, 3 cr. (3 and 0)
Exploration of the unique literary heritage and achievement of English-Ir-
guage Irish writers in the 19th and 20th centuries. Major figures of the Irish tradition: W. B. Yeats, James Joyce, Samuel Beckett and other writers; consideration of the Irish aspects of their works. **Prerequisite:** Sophomore literature.

**ENGL 634: Environmental Literature, 3 cr. (3 and 0)**
Survey of literature that examines the relationship between human beings and the natural world, including analysis of environmental themes in myths and legends and in selected poetry and prose of 19th and 20th century England and America. **Prerequisite:** Sophomore literature or permission of instructor.

**ENGL 635: Literary Theory, 3 cr. (3 and 0)**
Major critical approaches to literature. **Prerequisite:** Sophomore literature.

**ENGL 636: Feminist Literary Criticism, 3 cr. (3 and 0)**
Introduction to the seminal works of feminist literary theory and criticism; outline of the development of modern literary criticism by studying feminist versions of the major critical methodologies. **Prerequisite:** Sophomore literature or permission of instructor.

**ENGL 637: Directed Studies, 1-3 cr. (1-3 and 0)**
Class and tutorial work for students with special interests or projects in American, British or European literature outside the scope of existing courses. Applications must be approved during the early registration period of the semester preceding the one in which directed studies will occur. May be repeated by arrangement with the department. **Prerequisite:** Junior standing and approved registration.

**ENGL 646: Poetry Workshop, 3 cr. (3 and 0)**
Workshop in the creative writing of poetry. May be repeated once for credit. **Prerequisite:** ENGL 346 or permission of instructor.

**ENGL 647: Playwriting Workshop, 3 cr. (3 and 0)**
Workshop in the creative writing of plays. May be repeated once for credit. **Prerequisite:** THEA (ENGL) 347.

**ENGL 648: Screenwriting Workshop, 3 cr. (2 and 3)**
Workshop in the creative writing of screenplays. May be repeated once for credit. **Prerequisite:** ENGL 346 or permission of instructor.

**ENGL 650: Film Genres, 3 cr. (2 and 3)**
Advanced study of films that have similar subjects, themes and techniques, including such genres as the Western, horror, gangster, science fiction, musical and/or screwball comedy; nontraditional genres, screen irony, genre theory and historical evolution of genres. Topics vary. **Prerequisite:** ENGL 358 or permission of instructor.

**ENGL 651: Film Theory and Criticism, 3 cr. (2 and 3)**
Advanced study into the theory of film/video making with an emphasis on understanding a variety of critical methods to approach a film; history of film theory; definitions of the many schools of film criticism, including realism, formalism, feminism, semiotics, Marxism and expressionism. **Prerequisite:** ENGL 357 or permission of instructor.

**ENGL 652: Great Directors, 3 cr. (2 and 3)**
Intensive study of one to three film directors with an emphasis on understanding the entire canon of each director; similarities in techniques; shifts in thematic emphasis; critical methodologies for approaching the works of each director. Topics vary. **Prerequisite:** ENGL 357 or permission of instructor.

**ENGL 655: American Humor, 3 cr. (3 and 0)**
Native American humor of the 19th and 20th centuries. Major figures of the Irish tradition will occur. May be repeated by arrangement with the department. **Prerequisite:** Junior standing and approved registration.

**ENGL 658: African American Fiction and Nonfiction, 3 cr. (3 and 0)**
Forms and genres of African American prose including the novel, short fiction, autobiography, nonfiction and oratory with emphasis on emerging theories about African American culture and its impact on American cultural life in general. **Prerequisite:** Sophomore literature.

**ENGL 659: Advanced Special Topics in Language, Literature or Culture, 3 cr. (3 and 0)**
Advanced studies in topics not central to other English courses, such as certain authors, works, genres, themes or areas of knowledge and culture. Specific topics will be announced when offered. May be repeated once for credit with department chair's permission. **Prerequisite:** Sophomore literature.

**ENGL 675: Writing for Media, 3 cr. (3 and 0)**
Workshop in new forms of writing and hypertextual design for interactive electronic media. May be repeated once for credit at the undergraduate level. **Prerequisite:** Sophomore literature or permission of instructor or graduate standing.

**ENGL 683: African American Poetry, Drama and Film, 3 cr. (3 and 0)**
Forms, themes and genres of African American poetry, drama and film with emphasis on emerging theories about African American culture and its impact on American cultural life in general. **Prerequisite:** Sophomore literature.

**ENGL 685: Composition for Teachers, 3 cr. (3 and 0)**
Practical training in teaching composition: finding workable topics, organizing and developing observations and ideas, evaluating themes and creative writing. **Prerequisite:** Sophomore literature.

**ENGL 690: Advanced Technical and Business Writing, 3 cr. (3 and 0)**
Advanced work in writing proposals, manuals, reports and publishable articles. Students will produce work individually and in groups. **Prerequisite:** ENGL 304 or 314 or permission of instructor.
ENGL 691: Classical Rhetoric, 3 cr. (3 and 0)
Major texts in classical rhetoric; nature and functions of rhetoric in Greek and Roman societies; development of rhetoric from Protagoras through Isocrates, Plato, Aristotle, Cicero and Quintilian; questions essential to understanding persuasive theory and practices. Prerequisite: Sophomore literature or permission of instructor.

ENGL 692: Modern Rhetoric, 3 cr. (3 and 0)
The “new rhetorics” of the 20th century, which are grounded in classical rhetoric but include findings from biology, psychology, linguistics and anthropology, among other disciplines; theories and applications of communication. Prerequisite: Sophomore literature or permission of instructor.

ENGL 694: Writing About Science, 3 cr. (3 and 0)
Principals of teaching science, an overview of literary and theoretical foundations. Major rhetorical theories, figures and historical movements.

ENGL 801: Topics in Composition, 3 cr. (3 and 0)
Principals of teaching science, an overview of literary and theoretical foundations. Major rhetorical theories, figures and historical movements.

ENGL 805: Topics in Medieval Literature, 3 cr. (3 and 0)
Principal works in verse and prose from c. 1100-1500.

ENGL 808: Topics in Renaissance and Restoration Literature, 3 cr. (3 and 0)
Principal works in verse and prose from c. 1500-1700.

ENGL 811: Topics in Neoclassic and Romantic Literature, 3 cr. (3 and 0)
Principal works in verse and prose from c. 1700-1832.

ENGL 814: Topics in Victorian and Modern British Literature, 3 cr. (3 and 0)
Principal works in verse and prose from c. 1832 to present.

ENGL 820: Topics in American Literature to 1865, 3 cr. (3 and 0)
Significant authors; works in poetry and prose; literary-intellectual movements such as Puritanism, the enlightenment, romanticism and transcendentalism from c. 1607-1865.

ENGL 823: Topics in American Literature Since 1865, 3 cr. (3 and 0)
Significant authors; works in poetry and prose; literary-intellectual movements such as realism, naturalism, modernism and postmodernism from 1865 to the present.

ENGL 825: Topics in American Modernism and Postmodernism, 3 cr. (3 and 0)
Principal works in verse and prose from the modernist age to the present.

ENGL 831: Special Topics, 3 cr. (3 and 0)
Topics not covered in other courses.

ENGL 832: Topics in Scientific, Technical and Business Writing, 3 cr. (3 and 0)
Seminar course in areas such as professional editing and publishing, writing for government and industry, teaching technical writing and writing for journals, magazines and newspapers.

ENGL 833: Rhetoric of Science, 3 cr. (3 and 0)
Rhetorical approaches to understanding science and scientific rhetorics.

ENGL 834: Usability Testing Methodologies in Professional Communication, 3 cr. (3 and 0)
Research methodologies used in testing the usability of professional communication.

ENGL 835: Topics in Literary Criticism, 3 cr. (3 and 0)
Principal statements of literary critics from the classical era to the present.

ENGL 836: Digital Publishing Technologies: Theories in Practice, 3 cr. (3 and 0)
User-centered design theories applied to multimedia interfaces and on-line documents for professional communicators.

ENGL 838: Global Professional Communication, 3 cr. (3 and 0)
Implications of professional communication in a global economy; theories of global professional communication; research methods for studying communication in the global workplace; models for global communicative practices.

ENGL 839: Writing Proposals and Grant Applications, 3 cr. (3 and 0)
Practice in reading requests for proposals, analyzing rhetorical contexts and theories of proposals, and writing proposals and grant applications.

ENGL 840: Selected Topics, 3 cr. (3 and 0)
Independent/directed study; tutorial work in linguistics or American, British or European literature not offered in other courses. Prerequisite: Permission of director of M.A. in English program.

ENGL 850: Research and Studies in Scientific, Business and Technical Writing, 3 cr. (3 and 0)
Theories of professional communication and methods of inquiry; readings and research into the ways that the writing of professionals creates new knowledge and affects the daily life of others; research methods emphasize humanistic inquiry. Prerequisite: Graduate standing.

ENGL 851: Seminar in Professional Writing, 3 cr. (3 and 0)
Advanced seminar in the principles and practice of writing and editing documents for government, industry and the sciences; students produce projects suitable for publication, typically chosen from document design, scientific or technical writing, and public policy writing. Prerequisite: Graduate standing.

ENGL 852: Rhetoric and Professional Communication, 3 cr. (3 and 0)
Theories of communication that have existed since classical times and that inform effective decision-making strategies in professional communication. Prerequisite: Graduate standing.

ENGL 853: Visual Communications, 3 cr. (3 and 0)
Understanding the language of images used in textual and extratextual communication; theories of perception, methods of visual persuasion, genre analysis, and cognitive and aesthetic philosophies of visual rhetoric. Prerequisite: Graduate standing.

ENGL 854: Teaching Professional Writing, 3 cr. (3 and 0)
Teaching professional writing and examining theories and practices of written, graphic and oral communication. Students prepare course descriptions, rationales and syllabi for teaching various forms of business, scientific and technical writing. Prerequisite: Graduate standing.
ENGL 856: Theories and Practices of Workplace Communication, 3 cr. (3 and 0)
The use of communication in planning, managing and responding to organizational crisis. Prerequisite: Senior standing, graduate standing or permission of instructor.

SPCH 664: Advanced Organizational Communication, 3 cr. (3 and 0)
Application of speech communication methodology to the analysis of organizational communication processes; methods of organizational communication analysis and intervention. Prerequisite: SPCH 364 or permission of instructor.

SPCH 670: Communication and Health, 3 cr. (3 and 0)
Institutional and health care communication issues; the relationship between social issues, communication and health.

WS 659: Selected Topics in Women’s Studies, 1-3 cr. (1-3 and 0)
Selected topics in women’s studies will change from semester to semester and will be announced prior to registration. May be repeated for a maximum of six credits but only if a different topic is covered.

HIST 640: Studies in Latin American History, 3 cr. (3 and 0)
Selected and varied topics in Latin American history through readings, class discussions and individual or group projects. Special attention will be given to the use of an inquiry or problem-solving method of historical analysis and to the cultivation of a comparative perspective.

HIST 650: Studies in Ancient History, 3 cr. (3 and 0)
Selected topics in the field of ancient history ranging from pre-Biblical times to the fall of the Roman Empire.

HIST 651: Alexander the Great, 3 cr. (3 and 0)
The career of Alexander the Great and the history and archaeology of ancient Macedonia.

HIST 660: Studies in British History, 3 cr. (3 and 0)
Selected themes, topics or periods in British history from Anglo-Saxon times to the present.

HIST 670: Studies in Early European History, 3 cr. (3 and 0)
Selected topics or problems in European history from the fall of the Roman Empire to the Industrial Age.

HIST 671: Studies in Modern European History, 3 cr. (3 and 0)
Selected topics or problems in European history from the end of the Old Regime to the present.

HIST 691: Studies in the History of Science and Technology, 3 cr. (3 and 0)
Selected topics in the development of ideas that have had an impact on the behavior of individuals and civilizations.

HIST 692: Studies in Diplomatic History, 3 cr. (3 and 0)
Selected topics and problems in international conflict and conflict resolution among nations; concentration on 20th century history.

HIST 693: Studies in Social History, 3 cr. (3 and 0)
Selected topics in the development of science and technology, with emphasis on their social, political and economic effects.

HIST 694: Studies in Comparative History, 3 cr. (3 and 0)
Selected topics in comparative history, contrasting and comparing similar historical developments in different nations, geographic areas or civilizations.

HIST 695: Studies in the History of Ideas, 3 cr. (3 and 0)
Selected topics and themes in the development of ideas that have had an impact on the behavior of individuals and civilizations.
HIST 869: Studies in Legal History, 3 cr. (3 and 0)
Selected problems in the development of law and the system of criminal and civil justice.

HIST 710: United States Since 1865, 3 cr. (3 and 0)
Problems in U.S. history since 1865 with attention given to bibliography and teaching methods. Primarily for Master of Education candidates, but open to all graduate students. May be repeated with permission of graduate program director.

HIST 775: Europe Since the 18th Century, 3 cr. (3 and 0)
Problems in European history since 1700 with attention given to bibliography and teaching methods. Primarily for Master of Education candidates, but open to all graduate students. May be repeated with permission of graduate program director.

HIST 800: Seminar in United States History, 3 cr. (3 and 0)
Training in historical research and writing. May be repeated for credit with approval of graduate program director.

HIST 810: Culture and Society, 3 cr. (3 and 0)
Training in historical research and writing with a focus on the social and cultural underpinnings of U.S. history. May be repeated for credit as topics change with the approval of graduate program director.

HIST 820: American Historiography, 3 cr. (3 and 0)
Graduate seminar designed to familiarize students with the major overarching themes, scholarly interpretations and issues of American history that historians have presented over the last century.

HIST 830: Seminar in Asian History, 3 cr. (3 and 0)
Training in historical research and writing with focus on Asian history. May be repeated for credit with approval of graduate program director.

HIST 840: Seminar in Latin American History, 3 cr. (3 and 0)
Training in historical research and writing with focus on Latin American history. May be repeated for credit with approval of graduate program director.

HIST 850: Seminar in British History, 3 cr. (3 and 0)
Training in historical research and writing with focus on British history. May be repeated for credit with approval of graduate program director.

HIST 870: Seminar in European History, 3 cr. (3 and 0)
Training in historical research and writing with focus on European history. May be repeated for credit with approval of graduate program director.

HIST 872: Issues and Methods in European and Non-Western History, 3 cr. (3 and 0)
Seminar discussion of contemporary approaches to European and non-Western history; exploration of theoretical and empirical debates.

HIST 880: Special Topics in History, 3 cr. (3 and 0)
Training in historical research and writing. May be repeated for credit with approval of graduate program director.

HIST 881: Historiography, 3 cr. (3 and 0)
Seminar discussion of contemporary approaches and methodologies used by historians; exploration of current debates over major issues confronting the discipline of history.

HIST 885: Independent Study, 3 cr. (3 and 0)
Critical study of a historical topic, selected according to needs of student and with approval of graduate program director. May be repeated for credit with the approval of the graduate program director.

HIST 887: Archival Management: An Introduction, 3 cr. (3 and 0)
Introduction to basic concepts of archival theory and management.

HIST 891: Master’s Thesis Research, credit to be arranged

HIST 893: Practicum in Archival Management, 3 cr. (0 and 9)
Hands-on experience in the operations of an archival program, including acquisitions, arrangements, descriptions, conservation and reference service. Prerequisite: HIST 887 or permission of instructor.

HIST 894: Practicum in Historical Editing, 3 cr. (3 and 0)
Practicum for applying methodologies learned in introductory editing course to a specific body of original sources such as family correspondence, diaries or journals in order to become a historical editor. Prerequisite: HIST 888.

GEOG 601: Studies in Regional Geography, 3 cr. (3 and 0)
Geography of selected world regions, such as North America, Europe, the Middle East or the geography of a topic such as the geography of oil or the geography of underdevelopment. With departmental permission, may be repeated once for credit. Prerequisite: GEOG 101 or 103 or permission of instructor.

GEOG 610: Geography of the American South, 3 cr. (3 and 0)
Geography of the American South in its changing complexities of almost 400 years of development. Prerequisite: GEOG 101 or 103 or permission of instructor.

GEOG 620: Historical Geography of the United States, 3 cr. (3 and 0)
Survey that places the spatial concepts of geography into a time sequence with emphasis on the United States. Prerequisite: GEOG 101 or 103 or permission of instructor.

GEOG 630 (PRTM 630): World Geography of Recreation and Parks, 3 cr. (3 and 0)
Major international patterns in the provision and use of urban and rural parks and recreation.

GEOG 640: Geography of Historic Preservation, 3 cr. (3 and 0)
Aspects of historic preservation with emphasis on sites and structures in their geographical, historical, and socio-economic contexts; examples drawn from American architectural styles and settlement forms. Prerequisite: GEOG 101 or 103 or permission of instructor.

GEOG 710: Teaching Geography, 3 cr. (3 and 0)
Investigates world regions as a set of problems posed to teachers of geography; comparative analysis of basic geographic concepts. Oriented to public school teachers of geography.

Languages
Constancio Nakuma, Chair, Department of Languages
Advanced degrees are not awarded in languages. Courses are offered to provide electives for students in other areas.

LANG 600: Phonetics, 3 cr. (3 and 0)
Basic phonetic concepts used in the study of sounds and language.

FR 699: Selected Topics in French Literature, 3 cr. (3 and 0)
Selected topics that have characterized French literature, language and culture. May be repeated for a maximum of six credits. Prerequisite: Permission of department chair.

GER 698: Independent Study, 1-3 cr. (1-3 and 0)
Selected topics in German literature, language or culture. May be repeated for a maximum of six credits. Prerequisite: Permission of department chair.

SPAN 699: Special Topics, 3 cr. (3 and 0)
Study of timely or special topics in Spanish. May be repeated for a total of six credits if different topics are covered. Prerequisite: SPAN 303, 311, 404 or permission of department chair.
Three special courses are offered in French, German and Spanish for graduate students preparing for the language examination.

**FR 151: French for Graduate Students, 3 cr. (3 and 0)**
Intensive program only for graduate students preparing for the reading examination in French. A minimum grade of B on final exam will satisfy graduate school foreign language requirement. Graded on a pass/fail basis. May be repeated once for credit. **Prerequisite:** Graduate standing.

**GER 151: German for Graduate Students, 3 cr. (3 and 0)**
Intensive program only for graduate students preparing for the reading examination in German. A minimum grade of B on final exam will satisfy graduate school foreign language requirement. Graded on a pass/fail basis. May be repeated once for credit. **Prerequisite:** Graduate standing.

**SPAN 151: Spanish for Graduate Students, 3 cr. (3 and 0)**
Intensive program only for graduate students preparing for the reading examination in Spanish. A minimum grade of B on final exam will satisfy graduate school foreign language requirement. Graded on a pass/fail basis. May be repeated once for credit. **Prerequisite:** Graduate standing.

### Performing Arts

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<tr>
<td>MUSIC 600: Elementary School Music</td>
<td>3 cr. (3 and 0)</td>
<td>Traditional Kodaly, Orff and Kindermusik approaches in correlating music with language arts, mathematics and social studies for elementary school teachers.</td>
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<tr>
<td>MUSIC 680: Advanced Music Technology</td>
<td>3 cr. (2 and 2)</td>
<td>Exploration of Musical Instrument Interface (MIDI) through music notation, sequencing and Web applications. Students also work with digital audio and other music technologies. <strong>Prerequisite:</strong> MUSIC 205 and keyboard skills or permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>MUSIC 699: Independent Studies</td>
<td>1-3 cr. (1-3 and 0)</td>
<td>Tutorial work for students with special interests in music study outside the scope of existing courses. May be repeated for a maximum of six credits. <strong>Prerequisite:</strong> Permission of department chair.</td>
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### Philosophy and Religion

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 602: Topics in Philosophy</td>
<td>3 cr. (3 and 0)</td>
<td>Particular philosophical topic, issue or problem. Topics will vary. Course may be repeated once for credit with departmental permission. <strong>Prerequisite:</strong> Permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>PHIL 605: Philosophy of Psychology</td>
<td>3 cr. (3 and 0)</td>
<td>Psychology as an autonomous science. Issues include psychology and cognitive neuroscience; psychology naturalized as a “special science” comparable to biology and geology; evolutionary psychology; philosophy and psychopathology; moral issues in psychology. <strong>Prerequisite:</strong> Successful completion of at least nine hours of psychology or permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>PHIL 606: Continental Philosophy for Architects</td>
<td>3 cr. (3 and 0)</td>
<td>Contemporary Continental philosophy over the course of the 20th century offers the proper theoretical background to architecture students who use such theory in their studies and design work.</td>
<td></td>
</tr>
<tr>
<td>PHIL 633 (A A H 633): Issues in Contemporary Art and Philosophy</td>
<td>3 cr. (3 and 0)</td>
<td>Intersection between recent developments in art and those in philosophy and critical theory. Course content is variable, for example, Postmodernism in Art and Philosophy, Themes of Resistance in Contemporary Culture.</td>
<td></td>
</tr>
<tr>
<td>PHIL 825: Advanced Studies in the Philosophy of Science</td>
<td>3 cr. (3 and 0)</td>
<td>Inquiry into the conceptual foundations of empirical science, in particular, the often tacit presuppositions of substantive and methodological assumptions shared by a scientific community.</td>
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</tr>
<tr>
<td>PHIL 845: Aesthetics</td>
<td>3 cr. (3 and 0)</td>
<td>Nature and value of aesthetic experiences and objects. Attention directed to the roles of and relationships among objects, makers and audiences; interpretation, criticism and aesthetic response; the contexts and languages of art; the nature of aesthetic value; aesthetics in application; issues in public policy.</td>
<td></td>
</tr>
<tr>
<td>REL 601: Studies in Biblical Literature and Religion</td>
<td>3 cr. (3 and 0)</td>
<td>Selected topic in biblical studies. Topics will vary from year to year. May be repeated once for credit. <strong>Prerequisite:</strong> Permission of instructor.</td>
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</tr>
<tr>
<td>REL 602: Studies in Religion</td>
<td>3 cr. (3 and 0)</td>
<td>Selected topic in one or more of the religious traditions of the world or of religious life in a particular region. Topics will vary from year to year. May be repeated once for credit. <strong>Prerequisite:</strong> Permission of instructor.</td>
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</table>

**Theatre and Dance**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 699: Independent Studies</td>
<td>1-3 cr. (1-3 and 0)</td>
<td>Tutorial work for students with special interests outside the scope of existing courses. May be repeated for a maximum of six credits. <strong>Prerequisite:</strong> Permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>THEA 687: Stage Lighting</td>
<td>3 cr.</td>
<td>Theory and practice of stage lighting through an understanding of various lighting instruments, lighting control systems and execution of lighting designs.</td>
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</tr>
<tr>
<td>THEA 697: Scene Painting</td>
<td>3 cr. (2 and 1)</td>
<td>Common painting procedures used in a scenic studio or shop, emphasizing accurate drawing, color mixing, material usage, lay-in and detail painting procedures, as they would apply to producing a play for the live stage.</td>
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</tr>
<tr>
<td>PHIL 601: Studies in the History of Philosophy</td>
<td>3 cr. (3 and 0)</td>
<td>Selected philosopher, philosophical school or movement. Topics will vary. Course may be repeated once for credit with departmental permission. <strong>Prerequisite:</strong> Permission of instructor.</td>
<td></td>
</tr>
</tbody>
</table>
REL 604: History of Early Christianity, 3 cr. (3 and 0)
The history, social and doctrinal, of early Christianity up to 600 A.D. **Prerequisite:** Permission of instructor.

**Professional Communication**
| Tharon W. Howard, Program Coordinator, Department of English |
| **Major Degree** |
| **Professional Communication M.A.** |

The Department of English offers a Master of Arts degree in professional communication. The program combines work in theory and research with a comprehensive emphasis on written, oral and visual communication. It prepares graduate students to be professional and technical communicators in industry and government and teachers of professional communication in two-year colleges. In addition, the program provides the background necessary for students who plan to pursue a Ph.D. in rhetoric or technical communication.

This degree is designed for students with strong writing skills, from all academic disciplines. The program accommodates students with undergraduate majors in technical and scientific fields, as well as those with humanities and business degrees.

The Multimedia Authoring Teaching and Research Facility gives MAPC students access to the newest computing hardware and software, enabling multimedia and Web design and production, digital video and audio editing, desktop publishing and graphic design. The Campbell Chair in Technical Communication, the Pearce Center for Professional Communication and the Effective Technical Communication program in engineering constitute a network of professors enabling students to work in professional communication in a variety of academic disciplines. The program also uses Clemson’s expertise in agriculture and natural resources, architecture, city and regional planning, engineering, textiles, and basic science and technologies. The Usability Testing Facility enables students to conduct state-of-the-art usability research on interface designs, online documentation and other publications.

**Requirements for Awarding of a Degree**

The M.A. in professional communication requires 30 credit hours beyond the B.A. or B.S. degree, to be distributed as follows:

1. Five core courses which include Research and Studies in Scientific, Business and Technical Writing (ENGL 850), Seminar in Professional Writing (ENGL 851), Theories of Rhetoric and Professional Communication (ENGL 852), Visual Communications (ENGL 853), and Theories and Practices of Workplace Communication (ENGL 856) or Advanced Organizational Communication (SPCH 664).

2. Two or three electives from a list of recommended courses, structuring the program to meet professional goals. Possible electives include, but are not limited to, the following:
   - Digital Publishing Technologies (ENGL 836), Usability Testing Methodologies in Professional Communication (ENGL 834), Teaching Professional Writing (ENGL 854), Modern Rhetoric (ENGL 692), The Rhetoric of Web Publishing (ENGL 860), Writing Proposals and Grant Applications (ENGL 839), Global Professional Communication (ENGL 838), and Technical Editing (ENGL 695).

3. Two cognate courses in a related discipline to tailor the degree to meet specific career goals. Possible cognate courses include, but are not limited to, the following:
   - Advanced Human Factors Psychology (PSYCH 835), Instructional Systems Design (HRD 847), Instructional Video Production (HRD 665), Directed Studies (ART 690) and Marketing Research (MKT 631).

4. Candidates must demonstrate a reading knowledge of a foreign language and pass a qualifying examination on a reading list before undertaking the required thesis or project.

5. Students choose either to write a thesis based on research and a thorough analysis of a problem in professional communication, offering a solution; or complete a project to write a document for the professional world and keep a log or journal as a record of the project’s progress.

**Admission Requirements**

Applicants must hold a degree in any field from an accredited college or university, with a 3.0 GPR on a four-point scale; submit a satisfactory score on the GRE general test; submit two letters of recommendation from individuals familiar with the candidate’s academic work and/or work experience; and submit a brief resume and an autobiographical essay of not more than 500 words discussing educational goals and demonstrating proficiency for a writing program.

**ENGL 645: Fiction Workshop, 3 cr. (3 and 0)**

Workshop in the creative writing of prose fiction. May be repeated once for credit. **Prerequisite:** ENGL 345 or permission of instructor.

**ENGL 648: Screenwriting Workshop, 3 cr. (3 and 0)**

Workshop in the creative writing of screenplays. May be repeated once for credit. **Prerequisite:** ENGL 348 or permission of instructor.

**ENGL 651: Film Theory and Criticism, 3 cr. (2 and 3)**

Advanced study into the theory of film/video making with an emphasis on understanding a variety of critical methods to approach a film; history of film theory; definitions of the many schools of film criticism, including realism, formalism, feminism, semiotics, Marxism and expressionism. **Prerequisite:** ENGL 357 or permission of instructor.

**ENGL 675: Writing for Media, 3 cr. (3 and 0)**

Workshop in new forms of writing and hypertextual design for interactive electronic media. May be repeated once for credit at the undergraduate level. **Prerequisite:** Sophomore literature or permission of instructor or graduate standing.

**ENGL 678: Digital Literacy, 3 cr. (3 and 0)**

Examines how electronic texts differ from and resemble print texts. Includes reading, studying and analyzing print and digital texts to determine how digital techniques change patterns of reading and how readers make sense of electronic texts. **Prerequisite:** ENGL 304 or 314 or permission of instructor.

**ENGL 685: Composition for Teachers, 3 cr. (3 and 0)**

Practical training in teaching composition: finding workable topics, organizing and developing observations and ideas, evaluating themes and creative writing. **Prerequisite:** Sophomore literature.

**ENGL 690: Advanced Technical and Business Writing, 3 cr. (3 and 0)**

Advanced work in writing proposals, manuals, reports and publishable articles. Students will produce work individually and in groups. **Prerequisite:** ENGL 304 or 314 or permission of instructor.

**ENGL 691: Classical Rhetoric, 3 cr. (3 and 0)**

Major texts in classical rhetoric; nature and functions of rhetoric in Greek and Roman societies; development of rhetoric from Protagoras through Isocrates, Plato, Aristotle, Cicero and Quintilian; questions essential to understanding persuasive theory and practices. **Prerequisite:** Sophomore literature or permission of instructor.

**ENGL 692: Modern Rhetoric, 3 cr. (3 and 0)**

The “new rhetorics” of the 20th century, which are grounded in classical rhetoric but include findings from biology, psychology, linguistics and anthropology, among other disciplines; theories and applications of communication. **Prerequisite:** Sophomore literature or permission of instructor.

**ENGL 694: Writing About Science, 3 cr. (3 and 0)**

Advanced work in writing and editing for peer and lay audiences. **Prerequisites:** ENGL 304, 314 or permission of instructor.

**ENGL 695: Technical Editing, 3 cr. (3 and 0)**

Practical experience in editing and preparing technical manuscripts for publication; general introduction to the functions of the technical editor. **Prerequisite:**
ENGL 801: Topics in Composition, 3 cr. (3 and 0)
Principal theories and practices in modern grammar, stylistics and semantics related to teaching composition.

ENGL 803: Topics in Rhetorical Theory, 3 cr. (3 and 0)
Major rhetorical theories, figures and historical movements.

ENGL 832: Topics in Scientific, Technical and Business Writing, 3 cr. (3 and 0)
Seminar course in areas such as professional editing and publishing, writing for government and industry, teaching technical writing and writing for journals, magazines and newspapers.

ENGL 833: Rhetoric of Science, 3 cr. (3 and 0)
Rhetorical approaches to understanding science and scientific rhetorics.

ENGL 834: Usability Testing Methodologies in Professional Communication, 3 cr. (3 and 0)
Research methodologies used in testing the usability of professional communication.

ENGL 836: Digital Publishing Technologies: Theories in Practice, 3 cr. (3 and 0)
User-centered design theories applied to multimedia interfaces and on-line documents for professional communicators.

ENGL 838: Global Professional Communication, 3 cr. (3 and 0)
Implications of professional communication in a global economy; theories of global professional communication; research methods for studying communication in the global workplace; models for global communicative practices.

ENGL 839: Writing Proposals and Grant Applications, 3 cr. (3 and 0)
Practice in reading requests for proposals, analyzing rhetorical contexts and theories of proposals, and writing proposals and grant applications.

ENGL 840: Selected Topics, 3 cr. (3 and 0)
Independent/directed study: tutorial work in linguistics or American, British or European literature not offered in other courses. Prerequisite: Permission of director of M.A. in English program.

ENGL 850: Research and Studies in Scientific, Business and Technical Writing, 3 cr. (3 and 0)
Theories of professional communication and methods of inquiry; readings and research into the ways that the writing of professionals creates new knowledge and affects the daily life of others; research methods emphasize humanistic inquiry. Prerequisite: Graduate standing.

ENGL 851: Seminar in Professional Writing, 3 cr. (3 and 0)
Advanced study in the principles and practice of writing and editing documents for government, industry and the sciences; students produce projects suitable for publication, typically chosen from document design, scientific or technical journalism, and public policy writing. Prerequisite: Graduate standing.

ENGL 852: Rhetoric and Professional Communication, 3 cr. (3 and 0)
Theories of communication that have existed since classical times and that inform effective decision-making strategies in professional communication. Prerequisite: Graduate standing.

ENGL 853: Visual Communications, 3 cr. (3 and 0)
Understanding the language of images used in textual and extratextual communication; theories of perception, methods of visual persuasion, gender analysis, and cognitive and aesthetic philosophies of visual rhetoric. Prerequisite: Graduate standing.

ENGL 854: Teaching Professional Writing, 3 cr. (3 and 0)
Teaching professional writing and examining theories and practices of written, graphic and oral communication. Students prepare course descriptions, rationales and syllabi for teaching various forms of business, scientific and technical writing. Prerequisite: Graduate standing.

ENGL 855: Theories and Practices of Workplace Communication, 3 cr. (3 and 0)
Workplace cultures and their theoretical and practical applications for professional communication. Prerequisite: Graduate standing.

ENGL 860: The Rhetoric of Web Publishing, 3 cr. (3 and 0)

ENGL 885: Composition Theory, 3 cr. (3 and 0)
Teaching college-level courses, stressing contemporary composition theory, research and practice. Prerequisite: Graduate standing.

ENGL 886: Composition Practicum, 1 cr. (1 and 0)
Problems in teaching Composition I and Composition II, with focus on translating theoretical concepts into creating assignments, designing curriculum and grading. Two-semester sequence to be taken fall and spring of teaching assistantship year. Does not count toward degree. Prerequisites: Graduate teaching assistantship and ENGL 885 or equivalent.

ENGL 891: Master's Thesis Research, credit to be arranged

ENGL 892: Master's Project, 1-3 cr.
Required for the nonthesis option of the M.A. in professional communication; completion of course requires writing a document for the professional world and keeping a log or journal as a record of the project; student presents the project to adviser(s). Credit to be arranged. A maximum of three credits may be counted toward the degree.

SPCH 656: Crisis Communication, 3 cr. (3 and 0)
The use of communication in planning, managing and responding to organizational crisis. Prerequisite: Senior standing, graduate standing or permission of instructor.

SPCH 664: Advanced Organizational Communication, 3 cr. (3 and 0)
Application of speech communication methodology to the analysis of organizational communication processes; methods of organizational communication analysis and intervention. Prerequisite: SPCH 364 or permission of instructor.

SPCH 670: Communication and Health, 3 cr. (3 and 0)
Institutional and health care communication issues; the relationship between social issues, communication and health.

WS 659: Selected Topics in Women's Studies, 1-3 cr. (1-3 and 0)
Selected topics in women's studies will change from semester to semester and will be announced prior to registration. May be repeated for a maximum of six credits but only if a different topic is covered.

Visual Arts

<table>
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<tr>
<th>Major</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Visual Arts</td>
<td>M.F.A.</td>
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</table>

The Master of Fine Arts degree is the terminal degree in the visual arts. The program at Clemson University offers concentration in the studio areas of drawing, painting, printmaking, ceramics, photography and sculpture. Interdisciplinary and collaborative projects are encouraged within the department. The primary goal of the program is to provide students opportunities to develop a high degree of professional competence in their chosen area of concentration.

Admission Requirements
The graduate program in visual arts leading to the Master of Fine Arts degree admits a limited number of talented and creative candidates on a competitive basis upon review of the following materials:
1. A bachelor's degree from an accredited college or university with a major in visual arts. Especially well-qualified persons from other disciplines or degree backgrounds with exceptionally strong portfolios may be accepted.

2. A GPR of at least 3.0 in the last 60 major credit hours of undergraduate work.

3. A portfolio documentation of the candidate's creative work. The portfolio should include between 15-20 works, the majority of which are representative of the applicant's chosen field of study. This portfolio, which may include slides, photographs, films, other documentation or original work, is reviewed by the Admissions Committee, composed of members of the faculty of the Department of Art. Applicants are also encouraged to arrange for a campus interview during the application process.

4. Letters of recommendation from major professors, producing artists or professional acquaintances who are familiar with the applicant's work and development in the visual arts. Other recommendations will also be accepted.

5. A statement of intent regarding the applicant's interest and direction in pursuing the graduate degree.

6. No GRE is required.

Requirements for Degree Candidacy

The prospective candidate must have a review of his or her work at the end of each semester. It will be determined at this time if the student should continue or whether additional study is required at either the undergraduate or graduate level. Upon completion of 30 hours, the candidate must pass an oral review in order to determine readiness for thesis work. A Graduate Thesis Committee will be assigned at this time to assist the thesis development and concluding thesis exhibition.

The candidate must complete 30 hours and a full-time residency during the second year of study.

Requirements for Awarding a Degree

Students are required to complete the following:

1. A minimum of 45 credit hours with a B average or above in the student's professional curriculum, including 36 hours of ART 600- and 800-level courses, and nine hours in the history of art; and

2. A 15-credit-hour thesis culminating in satisfactory completion of a written documentary of the "thesis exhibition" and an oral examination by the graduate faculty.

ART 605: Advanced Drawing, 3 cr.  
(0 and 6)
Advanced level studies of drawing which explore the synthesis of refined drawing skills and philosophies of art. Student's understanding of drawing as a form of art is developed through studio practice augmented by critiques, demonstrations, lectures, field trips and independent research. Prerequisite: ART 305 or permission of instructor.

ART 607: Advanced Painting, 3 cr.  
(0 and 6)
Advanced studio course in painting, including study of contemporary painters and directions. Student selects painting media and is expected to develop a strong direction based on prior painting experience. Prerequisite: ART 307 or permission of instructor.

ART 608: Advanced Sculpture, 3 cr.  
(0 and 6)
Intensive independent studio concentration to further develop personal direction and content. Emphasis is on continued investigation of sculptural context, materials and processes and relative historical research. Prerequisite: ART 309 or permission of instructor.

ART 611: Advanced Printmaking, 3 cr.  
(0 and 6)
Culmination of process, techniques and individual development. Students are expected to have mastered process and technique for the benefit of the image produced. Creativity and self-expression are highly emphasized as students select a process for concentrated study. Prerequisite: ART 311 or permission of instructor.

ART 613: Advanced Photography, 3 cr.  
(0 and 6)
Continuation of ART 313; advanced problems in photography. Prerequisite: ART 313 or permission of instructor.

ART 617: Advanced Ceramic Arts, 3 cr.  
(0 and 6)
Further development of ideas and skills. Glaze calculation and firing processes are incorporated to allow for a dynamic integration of form and ideas. Prerequisite: ART 317 or permission of instructor.

ART 620: Selected Topics in Art, 1-3 cr.  
(0 and 6)
Study of areas in the visual arts not included in other courses or additional advanced work. Directed studies must be arranged with a specific instructor prior to registration. May be repeated for a maximum of 18 credits. Prerequisite: Senior standing or permission of instructor.

ART 690: Directed Studies, 1-5 cr.  
(0 and 2-10)
Study of areas in the visual arts not included in other courses or additional advanced work. Directed studies must be arranged with a specific instructor prior to registration. May be repeated for a maximum of 18 credits. Prerequisite: Permission of instructor.

ART 803: Fundamentals of Visual Art, 3 cr.  
(0 and 6)
Intensive introduction of visual art and design fundamentals; two- and three-dimensional studio work with emphasis on time-based media and design.

ART 805: Visual Arts Seminar on Theories and Practice I, 3 cr.  
(3 and 0)
Issues related to the practice of the artist, emphasizing theories and criticism of contemporary art.

ART 806: Visual Arts Seminar on Theories and Practice II, 3 cr.  
(3 and 0)
Continuation of ART 805.

ART 821: Visual Arts Seminar on Art and Technology, 3 cr.  
(3 and 0)
Explores the relationship between art and technology in the age of electronic media. Prerequisite: Permission of instructor.

APPENDIX B

ART 840: Visual Arts Studio, 3-6 cr.  
(0 and 9-18)
Studio work in visual arts with adjunct lectures and gallery tours. May be substituted for ART 800-level visual arts studio.

ART 850: Visual Arts Studio, 3 cr.  
(0 and 9)
Concentrated and advanced work in ceramics, drawing, painting, printmaking, sculpture, photography, graphic design or multimedia. Prerequisite: Permission of department chair or instructor.

ART 851: Visual Arts Studio, 3-6 cr.  
(0 and 9)
Continuation of ART 850. May be repeated for maximum of six credits. Prerequisite: Permission of department chair or instructor.

ART 860 (CP SC 860): Studio Computer Research, 3-15 cr.  
(0 and 6-30)
Application of computer technology for the production of art. Computer research will facilitate the creative approach to self-expression. Internships at animation production houses may be used for credit in this course. May be repeated for a maximum of 27 credits. Prerequisite: Permission of instructor.

ART 871: Visual Arts Studio, 3-6 cr.  
(0 and 8-16)
Continuation of ART 870. May be repeated for maximum of six credits. Prerequisite: Permission of department chair or instructor.

ART 872: Visual Arts Studio, 3-6 cr.  
(0 and 8-16)
Continuation of ART 871. May be repeated for maximum of six credits. Prerequisite: Permission of department chair or instructor.

ART 880: Visual Arts Studio, 3-15 cr.  
(0 and 6-30)
Continuation of ART 880. May be repeated for maximum of 15 credits. Prerequisite: Permission of department chair or instructor.
ART 891: Master’s Thesis Research, 3-15 cr. (0 and 6-30)
May be repeated for maximum of 15 credits. Prerequisite: Permission of department chair or instructor.

No degrees are offered in art and architectural history. Courses are offered to provide electives for students in other areas.

A A H 611: Directed Research in Art History I, 3 cr. (3 and 0)
Comprehensive studies and research of special topics not covered in other courses. Emphasis is on field studies, research activities and current developments in art history.

A A H 612: Directed Research in Art History II, 3 cr. (3 and 0)
Continuation of A A H 611.

A A H 623: Studies in the Art and Architecture of the Renaissance I, 3 cr. (3 and 0)
Visual arts and architectural monuments of the Renaissance (Western Europe from the 15th through the 18th centuries), with a study in depth of selected examples from the period. Prerequisite: A A H 204 or 206 or permission of instructor.

A A H 628: Nineteenth Century Visual Arts, 3 cr. (3 and 0)
Visual arts of the 19th century: painting, sculpture, printmaking and ceramics, with relation to the factors that have influenced the artist and the consequence on society. Prerequisite: A A H 427.

A A H 629: Studies in the Art and Architecture of India and the Far East, 3 cr. (3 and 0)
Visual arts and architectural monuments of India and the Far East, with a study in depth of selected examples from the period. Prerequisite: A A H 204 or 206 or permission of instructor.

A A H 630: Twentieth Century Art I, 3 cr. (3 and 0)
Concentration on major artists’ monuments and issues of the Modern period in art. Through lecture/discussions and the reading of primary sources, course will place the major modern movements in the context of the period (1860-1945). Prerequisite: Permission of instructor.

A A H 632: Twentieth Century Art II, 3 cr. (3 and 0)
Trends in art and architecture since World War II. Specific artists, artworks and movements will be presented in a socio/historic context with specific emphasis on the transition from a late-modernist to a post-modern perspective. Prerequisite: Permission of instructor.

A A H 633 (PHIL 633): Issues in Contemporary Art and Philosophy, 3 cr. (3 and 0)
Intersection between recent developments in art and those in philosophy and critical theory. Course content is variable, for example, Postmodernism in Art and Philosophy, Themes of Resistance in Contemporary Culture.

A A H 635: Studies in Pre-Columbian Art and Architecture, 3 cr. (3 and 0)
Familiarizes student with the art and architecture of the Western Hemisphere’s Pre-Columbian culture in Mexico, Central and South America. Prerequisites: A A H 102 or 210 or permission of instructor.

A A H 815: Art and Architectural History Seminar I, 3 cr. (3 and 0)
Particular aspect of period of art/architectural history. Prerequisite: Permission of instructor.

A A H 816: Art and Architectural History Seminar II, 3 cr. (3 and 0)
Continuation of A A H 815.