## 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
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- English
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- 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 Advanced 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 Art in English, History and Professional Communication. Faculty have been recipients of grants from agencies and foundations, such as the National Endowment for the Humanities and the Bingham Trust. They have also held Fulbright Senior Lectureships and Research Awards in many countries.
ARCHITECTURE

Architecture and Health Care Concentration

Master of Architecture students in this specialized area of study examine issues of programming, planning and design associated with a comprehensive approach to physical and mental health care delivery systems. Studio work emphasizes the integration of physical design systems with patient care techniques. Theoretical design projects, as well as those that lead to built projects, employ both investigative research and architectural synthesis. These design studies are complemented by lectures and seminars that deal with various aspects of health care, hospital administration and the environment.

The architecture and health care concentration is demanding in the scope of its professional studies, with most of the course work designated for specific areas of learning. The thesis, which normally deals with a particular area of health care, may be project or research oriented.

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 heritage of Italy.

ARCH 614: Design Seminar*, 3 cr. (3 and 0)
Topical issues in architecture, art, construction and planning.

ARCH 615: Field Sketching, 3 cr. (0 and 6)
Media and techniques for expression, representation and visual analysis through freehand 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 structures observed during European travels in graphic and written form.

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

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, Barragan, 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, Unger, 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 856: 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 adviser.

* Offered only at the Daniel Center in Genoa, Italy.
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 861: 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)
Components 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 |
| Barry C. Nocks, Coordinator, Program in City and Regional Planning |

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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 for which their undergraduate background is best suited. 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 (PSA’s) 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 MCRP 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 MCRP and MARCH degrees in three years through an integrated curriculum.

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 of credit and a six-credit 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.

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.
   c. Only those students who have been approved by the planning faculty and have performed satisfactorily on the comprehensive examination will be permitted this option.

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 thesis and concentration area.

C R P 605: Urban Genesis and Form, 3 cr. (3 and 0)
Origen, 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)
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 624: 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)
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 tech-

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* 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.
CRP 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.

CRP 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.

CRP 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.

CRP 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.

CRP 823: Social Policy Planning and Delivery Systems, 3 cr. (3 and 0) S
Concepts of planning 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.

CRP 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.

CRP 832: Problems in Site Planning, 3 cr. (1 and 6) 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: CRP 831.

CRP 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: CRP 434/634 or permission of instructor.

CRP 835: Advanced Topics in Geographic Information Systems, 3 cr. (3 and 0) S
Seminar/lab 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: CRP 834 or permission of instructor.

CRP 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.

CRP 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.

CRP 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.

CRP 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.

CRP 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: CRP 853.

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

CRP 859: Planning Terminal Project, 1-3 cr. (0 and 3-9) S
Student selects, with approval of adviser, 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: CRP 858.

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

CRP 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.

CRP 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 CRP student or permission of instructor.

CRP 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.

CRP 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: CRP 672 and permission of instructor or department chair.

* Offered only at the Daniel Center in Genoa, Italy.
C R P 872: Housing Issues in the United States, 3 cr. (3 and 0) F
Regulation, slum clearance, housing and re-placement of housing through public policy and 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, particularly 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. Prerequisite: C R P 872 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. Prerequisite: 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
Focus on the delivery of projects and related issues; methods of avoiding and resolving disputes. 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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<td>M.C.S.M.</td>
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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 where the candidate does not have the necessary prerequisite skills and knowledge, additional course work beyond the 36 semester hours may be required.

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.

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: Financial Planning and Analysis, 3 cr. (3 and 0)
Theory of financial management as it relates to the financial problems faced by the building construction firm. Prerequisite: Permission of instructor.

C S M 861: Construction Control Systems, 3 cr. (3 and 0)
Design and administration of the quality assurance program for large and complex construction projects. Prerequisite: Permission of instructor.

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: Bid Strategy and Marketing, 3 cr. (3 and 0)
Advanced techniques for bid strategy and marketing of construction management, design-build or single-contract project delivery services and companies. Prerequisite: Permission of instructor.

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 resident project representative and the project manager. Prerequisite: Permission of instructor.

C S M 866: Construction Science and Management Internship, no credit
The internship or permission of instructor.

MUSIC 680: Advanced MIDI Applications, 3 cr. (2 and 2)
Exploration of Musical Instrument Interface (MIDI) through music notation, sequencing and Web applications. Students will have hands-on experience producing scores and sequences with the computer and selected software. Prerequisite: MUSIC 205 or permission of instructor.

MUSIC 699: Independent Studies, 1-3 cr. (1-3 and 0)
Tutorial work for students with special interests outside the scope of existing courses. May be repeated for a maximum of six credits. Prerequisite: Permission of department chair.

THEA 672: Improvisation: Interpreting and Developing Texts, 3 cr. (3 and 0)
Provides practical applications using drama as a learning tool to strengthen writing skills, motivate collaboration and heighten analytical skills. Students will use improvisation to analyze texts and to revise original work, consider theory and research of contemporary scholars, and develop approaches to literature and composition based on readings and drama experiences. Prerequisite: Senior standing or permission of instructor.

THEA 687: Stage Lighting, 3 cr. (2 and 2)
Theory and practice of stage lighting through an understanding of various lighting instruments, lighting control systems and execution of lighting designs.

SCHOOL OF THE ARTS

Fine Arts in Computing

| Mark McKown, Program Coordinator, Fine Arts in Computing |
|---------------------------------|-----------------------------|
| Major Degrees |
| Fine Arts in Computing | M.F.A. |

The Master of Fine Arts in Computing (MFAC) 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 178.

Visual Arts

Program Coordinator: Mike Valatara, Graduate Coordinator

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 as follows:

1. The candidate must have a bachelor’s degree from an accredited college or university in a major in visual arts. Especially well-qualified persons may be accepted from other degree backgrounds.

2. A satisfactory academic record in the last 60 major credit hours of undergraduate work is required.

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

4. Letters of recommendation are preferred from former major professors, producing artists or professional acquaintances. Other letters of recommendation will be accepted.

5. A statement of intent regarding applicant’s interest and direction in pursuing the graduate degree must be submitted.
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 609: 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)
Intense course in studio art. May be repeated for a maximum of six credits, but only if different topics are covered. 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 advanced. 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: Art with the Computer, 3 cr. (0 and 6)
Studio course using the microcomputer as an art medium. Studies in imaging systems with emphasis on the creative use of the medium for artistic expression. Prerequisite: Permission of instructor.

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 a maximum of six credits. Prerequisite: Permission of department chair or instructor.

ART 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. May be taken for a maximum of 27 credits. Prerequisite: Permission of instructor.

ART 870: Visual Arts Studio, 6 cr. (0 and 16)
Advanced theory; directed research in art criticism; applied work in ceramic arts, drawing, painting, sculpture, photography, graphic design or multimedia. Prerequisite: Permission of department chair or instructor.

ART 871: Visual Arts Studio, 3-6 cr. (0 and 8-16)
Continuation of ART 870. May be repeated for a 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 871. May be repeated for a 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 a maximum of 15 credits. Prerequisite: Permission of department chair or instructor.

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 (1860s–1945). Prerequisite: Permission of instructor.

A A H 631: 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 632: Studies in Precolumbian Art and Architecture, 3 cr. (3 and 0)
Familiarizes student with the art and architecture of the Western Hemisphere's Precolumbian 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.

SCHOOL OF HUMANITIES

### English

<table>
<thead>
<tr>
<th>Major</th>
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<tr>
<td>English</td>
<td>M.A.</td>
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An applicant for the M.A. degree in English must present at least 12 semester credits of graduate 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 685 (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 685 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 \textit{Iliad} and \textit{Odyssey}, Virgil's \textit{Aeneid} and Ovid's \textit{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 \textit{The Canterbury Tales} and other works by Chaucer. Prerequisite: Sophomore literature.

### ENGL 609: The Earlier English Renaissance, 3 cr. (3 and 0)
Selected readings in non-Shakespearean dramatic literature of the 16th and 17th centuries. Prerequisite: Sophomore literature.

### ENGL 610: Drama of English Renaissance, 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 \textit{Paradise Lost}, \textit{Paradise Regained} and \textit{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 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-language 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 Criticism, 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 germinal works of feminist literary theory and criticism.  
Outlines 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 640: Literary Theory, 3 cr. (3 and 0)  
How approaches such as Marxism, psychoanalysis, Feminism, Deconstruction, New Historicism, Post-Colonialism, Cultural Studies and Queer Theory answer the question 'What is Literature?'  
Prerequisite: Sophomore literature.

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 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 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 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 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 357 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; defines 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 653: Sexuality and the Cinema, 3 cr. (2 and 3)  
Male/female sexual roles and their evolution in American genre films, avant-garde cinema and international films; movies in relation to cultural values and social stereotypes; feminist film theory; film pornography.  
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.  
Prerequisite: Sophomore literature.

ENGL 656: Literature and Arts of the Holocaust, 3 cr. (3 and 0)  
The Holocaust through literature, art, architecture, music and film, beginning with historical, political and economic forces that contributed to the Holocaust.  
Focus on highly diverse creative responses to this event—responses that often reflect the difficulties and politics of these commemorative gestures.  
Prerequisite: Sophomore literature or permission of the instructor.

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 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 682: 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 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 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 practice. 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 304, 314 or permission of instructor.

ENGL 700: Children’s Literature for Teachers, 3 cr. (3 and 0)  
Literature for preschool through junior high.

ENGL 702: Writing Projects, 3 cr. (3 and 0)  
Exchange and development of methods for teaching writing that have a firm theoretical foundation.

ENGL 800: Introduction to Research, 1 cr. (1 and 0)  
Literary history and research; use of libraries and bibliographical tools; exposition of scholarship. Required of all candidates for the Master of Arts degree and Master of Education degree with a concentration in secondary education, English.

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 802: Topics in Literary Genres, 3 cr. (3 and 0)  
Principal literary genres.

ENGL 803: Topics in Rhetorical Theory, 3 cr. (3 and 0)  
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 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 criticism 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 graduate studies.
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 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 856: Theories and Practices of Research and Studies in Professional 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. Prerequisite: Graduate teaching assistantship and ENGL 885 or equivalent.

ENGL 891: Master's Thesis Research, 1 cr. (Graduate only)
credit to be arranged.
Prerequisite: Graduate standing.

ENGL 892: Master's Project, 1-3 cr.
Required for the non-thesis 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.

HIST 600: Studies in United States History, 3 cr. (3 and 0)
Topics and problems in the history of the United States from the Colonial era to the present.

HIST 628: Trial in US History, 3 cr. (3 and 0)
Social, cultural and legal context of a famous American trial, with consideration given to the actual trial record (transcripts, briefs and opinions on appeal) and to historical studies of the time and place in which the trial arose. Trial selected will vary as course is taught. Prerequisites: HIST 328 or 329 or permission of instructor (for undergraduates).

HIST 638: Problems in African Historiography and Methodology, 3 cr. (3 and 0)
Concentration on African history with focus on methodological concerns.

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 themes 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 science and technology, with emphasis on their social, political and economic effects.

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)
Ways people have earned their livings and lived their lives, individually and as communities, in the confines of different societies.

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 696: 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 with focus on U.S. history. 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: 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 860: Seminar in British History, 3 cr. (3 and 0)
Training in historical research and writing. 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. 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 Parks and Equivalent Reserves, 3 cr. (3 and 0)
Major international patterns in the provision and use of urban and rural parks and recreation.

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

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<tr>
<th>Language</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LANG 600: Phonetics, 3 cr.</td>
<td>(3 and 0)</td>
<td>Basic phonetic concepts used in the study of sounds and language.</td>
</tr>
<tr>
<td>FR 699: Selected Topics in French Literature, 3 cr.</td>
<td>(3 and 0)</td>
<td>Selected topics that have characterized French literature, language and culture. May be repeated for a maximum of six credits. Prerequisite: Permission of department chair.</td>
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<tr>
<td>GER 698: Independent Study, 1-3 cr.</td>
<td>(1-3 and 0)</td>
<td>Selected topics in German literature, language or culture. May be repeated for a maximum of six credits. Prerequisite: Permission of department chair.</td>
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PHIL 801: Studies in the History of Philosophy, 3 cr. (3 and 0)
Selected philosopher, philosophical school or movement. Topics will vary. May be repeated once for credit with departmental permission. Prerequisite: Permission of instructor.

PHIL 802: Topics in Philosophy, 3 cr. (3 and 0)
Particular philosophical topic, issue or problem. Topics will vary. May be repeated once for credit with departmental permission. Prerequisite: Permission of instructor.

PHIL 825: Advanced Studies in the Philosophy of Science, 3 cr. (3 and 0) F
Inquiry into the conceptual foundations of empirical science, in particular, the often tacit presuppositions of substan-
tive and methodological assumptions shared by a scientific community.

PHIL 845: Aesthetics, 3 cr. (3 and 0)
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.

REL 601: Studies in Biblical Literature and Religion, 3 cr. (3 and 0)
Selected topic in biblical studies. Topics will vary from year to year. May be repeated once for credit. Prerequisite: Permission of instructor.

REL 602: Studies in Religion, 3 cr. (3 and 0)
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. Prerequisite: Permission of instructor.

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. 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. Prerequisite: Graduate standing.

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 as professional and technical communicators in industry and government and as 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 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 Document Design Laboratory has Macintosh and IBM capabilities, and students have access to the newest computing hardware and software, including word processing, desktop publishing and graphic design.

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: Topics in Rhetorical Theory (ENGL 803), Teaching Professional Writing (ENGL 854), Modern Rhetoric (ENGL 692) 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: Human Factors Psychology (PSYCH 635), Instructional Systems Design (H R D 847), Instructional Video Production (H R D 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 and/or work experience; and submit a brief résumé and an autobiographical essay of not more than 500 words discussing educational goals and demonstrating proficiency for a writing program.

Courses for this program are offered by the Department of English.