Athens State University
Founded 1822

2023-2024 Graduate Academic Catalog

ADDENDUM, No. 2

ACCREDITATION

Athens State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award bachelor's and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Athens State University.

The College of Education at Athens State University is accredited by the Council for the Accreditation of Educator Preparation (CAEP), 1140 19th St., N.W. Suite 400, Washington, D.C. 20036. The Council for the Accreditation of Educator Preparation (CAEP) became the sole accrediting body for educator preparation providers on July 1, 2013, replacing the former NCATE accreditation body.

The College of Business at Athens State University is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP), 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356.

Athens State University is approved by the Alabama State Department of Education for the training of early childhood, elementary, collaborative, physical education, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

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A Non-Profit, State Institution of Higher Learning

This catalog addendum is in addition to the annual announcement of the graduate academic programs, requirements, and regulations of Athens State University. The information contained in this Addendum was approved after the initial catalog timeline. Students enrolling in the University are subject to the provisions stated herein. The rules, regulations, policies, fees and other charges, courses, programs of study, and academic requirements that appear in this catalog were in effect at the time of its publication and every effort has been made to ensure the accuracy of all information. The contents are published for informational purposes only, and do not constitute a contract between the University and any student, applicant for admission or other person. Statements regarding courses, programs of study, fees, and conditions are subject to change without advance notice.

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Athens State University, as an equal opportunity/affirmative action institution, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. Athens State University does not discriminate on the basis of race, color, national origin, age, marital status, gender, gender identity, gender expression, pregnancy, sexual orientation, disability, religion, genetic information, or veteran status in employment, or admissions to or participation in educational programs and activities. Inquiries or concerns may be addressed to the Office of the Vice President for Financial Affairs, 300 N. Beaty St., Athens, AL 35611, 256-216-3303.

Accessibility/Disability
Athens State University complies with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990 including all updated regulations and guidance. Athens State University strives to provide a dynamic and appropriate instructional environment and workplace to meet the needs of students, employees and citizens of the communities served. It is the policy of the University that a good faith effort shall be made to meet the accommodation requests of persons with disabilities. Athens State University employees and citizens should contact the Office of Human Resources, (256) 216-3314, to complete the procedure for requesting an accommodation. Students with disabilities may contact Accessibility Services (formerly Disability Services), located in the Sandridge Student Center Room 122, (256) 233-8143, accessibility.services@athens.edu.

Harassment and Discrimination
If any person feels he/she has been harassed or discriminated against, the person should follow the University's Harassment and Discrimination Policy and Procedure. Complaints of sexual misconduct should follow the University's Sexual Misconduct Policy and Procedure. The University can only take action against alleged offenders and protect the University from future incidents if occurrences of harassment and discrimination are reported in a timely fashion.

Privacy of Student Records - Education Rights and Privacy Act of 1974
Athens State University complies with the provisions of the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. FERPA sets forth the requirements pertaining to the privacy of student records, and the rights of students with respect to their education records. For complete FERPA information, see the Records section of this catalog or the University's online Policy Library.

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College of Arts and Sciences

Admission Requirements for Master of Fine Arts in Integrative Design

(See also the General University requirements for Admission to Graduate Programs in the 2023-2024 Graduate Catalog.)

Requirements for Degree-Seeking Students

For **unconditional admission**, a prospective student must:
- Have earned a bachelor's degree in the Arts (approved by the Fine Arts Department) from an institution accredited by an institutional accrediting agency recognized by the U.S. Department of Education, with a minimum overall GPA of 3.0 (3.0 scale); AND;
- Submit for review as part of the application process:
    o Three professional references preferably from faculty member, recent employers, or clients..
    o An artist's statement (one page in length) that describes your current body of artwork your current studio practice, and the reason you are pursuing a Master of Fine Arts.
    o Resume
- Submit a professional portfolio (student seeking admission using portfolio may be admitted unconditionally only after departmental review and approval). Portfolios must be major-specific and follow the individual portfolio guidelines required by the major of interest. Refer here for portfolio details; AND
- Meet all other program-specific requirements.

For **conditional admission**, a prospective student must:
- Have earned a bachelor's degree (approved by the Fine Arts Department) from an institution accredited by an institutional accrediting agency recognized by the U.S. Department of Education, with a minimum overall GPA of 2.75 (4.0 scale), AND;
- Submit for review as part of the application process:
    o Three professional references preferably from faculty member, recent employers, or clients..
    o An artist's statement (one page in length) that describes your current body of artwork your current studio practice, and the reason you are pursuing a Master of Fine Arts.
    o Resume
- Submit a professional portfolio (student seeking admission using portfolio may be admitted unconditionally only after departmental review and approval). Portfolios must be major-specific and follow the individual portfolio guidelines required by the major of interest. Refer here for portfolio details; AND
- Meet all other program-specific requirements.

A student admitted on conditional status will be admitted on academic probation and the maximum number of hours to be taken during the first semester is six. Conditional status will be removed only upon successful completion of a minimum of 9 semester hours of graduate coursework at Athens State with a minimum GPA of 3.0.

Please Note: A student who has met the above requirements may be required to complete specific undergraduate prerequisite courses or their equivalents as determined by departmental review.

A student may be admitted **provisionally** if all required application documents have been submitted. Provisional admission allows the student to register for graduate fine arts courses in an upcoming term; however, registration for these courses is subject to change pending departmental review of the application materials and final determination of conditional or unconditional admission.

Requirements for Non-Degree Seeking Students

A student who does not meet the requirements for one of the above admission categories as a degree-seeking graduate student may be admitted as a non-degree seeking graduate student. Records are kept of the work completed and credits are transferable. **Non-degree seeking graduate students are ineligible for federal aid funding under Title IV.**

Students seeking admission as non-degree seeking students must:
- Submit a completed graduate non-degree seeking admissions application and pay any required application fees.
- Submit official transcripts form the last institution attended, and from at least one institution accredited by an institutional accrediting agency recognized by the U.S. Department of Education documenting conferral of a bachelor's or higher degree. Official transcripts must indicate that the student is in good standing at the last institution attended.

Students admitted as non-degree seeking students will only be allowed to register for graduate courses in a given term subject to space availability and/or cohort restrictions. **Non-degree seeking students may complete no more than one-half of the total program hours;** in order to register for additional courses, students must submit a degree-seeking application and all required materials, and be approved for degree-seeking status. Non-degree seeking students will not be awarded a graduate degree from Athens State University.

For additional information regarding the Master of Fine Arts (MFA) in Integrative Design, please visit our Master of Fine Arts webpage at Integrative Design - Athens State University**.**

Master of Fine Arts in Integrative Design (with Concentrations)

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Master of Fine Arts with Concentrations:

Students earning the Master of Fine Arts (MFA) in Integrative Design degree with a concentration must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

Master of Fine Arts in Integrative Design Course Requirements

	Professional Development Courses	Hours
	AR 512 Art Pedagogy	3
	AR 500, 508, 600, 608 Mentored Studies I-IV	12
	AR 530 Graduate Studio Community Project	3
	*AR 543 Art Entrepreneurship Residency	3
	AR 503 Seminar I	3
	AR 602 Seminar II	3
	Concentration Specific Courses	
	Choose one concentration from (See breakdown of concentrations below): Media and Design **OR** Ceramics **OR** Painting and Drawing	21
	Art History Course	
	AR 526 Critical Theories and Visual Culture	3
	Thesis Courses	
	AR 616 Thesis Design	3
	AR 700 Thesis Research and Writing	3
	*AR701 Exhibition and Thesis Defense Residency	3
	TOTAL HOURS:	**60**
	All students participate in a 2-week residency at the Alabama Center for the Arts.	

Additional Program Requirements

Students must complete all courses for **one of the following**:
- The Concentration in Ceramics, **OR**
- The Concentration in Painting and Drawing, **OR**
- The Concentration in Media and Design

Concentration in Ceramics		
	Advanced Courses in Ceramics	**Hours**
	AR 516 Research in Glaze Chemistry and Kiln Design II	3
	AR 518 Senior Studio: Refining Cohesive Body of Work	3
	AR 522 New Media: Alternative Firing Processes	3
	AR 555 Projects in New Media	3
	AR 560 Special Workshop in Arts and Crafts	3
	AR 561 Multimedia Installation	3
	AR 568 Topics in the History of Ceramics	3
	TOTAL CONCENTRATION REQUIREMENT HOURS:	**21**

Concentration in Painting and Drawing		
	Advanced Courses in Painting and Drawing	**Hours**
	AR 501 Advanced Figure Studies	3
	AR 502 Integrative Painting Materials and Techniques	3
	AR 511 Topics in Narrative Painting	3
	AR 513 Portrait Painting and Drawing	3

	AR 518 Senior Studio: Refining and Cohesive Body of Work	**3**
	AR 521 Seminar: Sacred Art in History	**3**
	AR 555 Project in New Media	**3**
	TOTAL CONCENTRATION REQUIREMENT HOURS:	**21**

Concentration in Media and Design		
	Advanced Courses in Media and Design	**Hours**
	AR 506 Multimedia Production Workshop	**3**
	AR 505 UX/UI Design – Graphic Design for Web	**3**
	AR 510 Digital Recording and Editing	**3**
	AR 520 Advanced Principles of Scenic and Lighting Design	**3**
	AR 540 Digital Animation and Graphic Design	**3**
	AR 546 Virtual Environments	**3**
	AR 570 Modernism and Postmodernism in Design	**3**
	TOTAL CONCENTRATION REQUIREMENT HOURS:	**21**

		Hours
	Total Minimum Hours Required for Completion of Master of Fine Arts in Integrative Design (with Concentration)	**60**

Cybersecurity

The Master of Science in Cybersecurity is an interdisciplinary program designed to educate knowledgeable cybersecurity professionals. The program prepares students for analyzing, developing, and managing the cybersecurity of organizations. As such, it focuses on technical and management aspects of cybersecurity. Two tracks are offered in the program: a project track and a thesis track.

Master of Science in Cybersecurity – Non-Thesis Track

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Master of Science in Cybersecurity:
Students earning the Master of Science degree in Cybersecurity must satisfy all general University requirements or graduate programs and meet all financial obligations before a degree is awarded.

Cybersecurity Course Requirements

	Cybersecurity Core Courses	Hours
	ITE 520 Cybersecurity Foundations	3
	MCO 500 Cybersecurity Risk Management	3
	MCO 510 Cybersecurity Policy	3
	ITE 522 Communications and Network Security	3
	ITE 523 Cryptography and System Security	3
	Elective Courses Students select three courses from the following, for a total of 12 credit hours. CS 527 Advanced Database Systems and Information Processing CS 513 Data Mining, Analysis, and Visualization ITE 525 Virtualization and Cloud Security CS 530 Principles of Computer Communications and Networks CS 551 Advanced Principles of Software Engineering and Methods CS 553 Secure Software Engineering and Testing ITE 524 Advanced Computer Forensics ITE 527 Advanced Topics in Cybersecurity CS 577 Event Modeling and Simulation MCO 515 Cybersecurity Continuity Planning and Incident Reporting MCO 520 Asset Security and Cybersecurity Auditing MCO 525 Cybersecurity Leadership and Strategic Planning	12
	Core Requirement Hours	**27**

Non-Thesis Track Course Requirements

In addition to the Cybersecurity Core Course Requirements, students must complete the additional coursework for the Non-Thesis Track.

	Non-Thesis Track	
	Course	**Hours**
	CS 597 Project and Research Methods	3
	CS 598 Project Development or MCO 598 Project Development	1-3

		Hours
	Total Minimum Hours Required for Completion of Master of Science degree in Cybersecurity Non-Thesis Option	**31-34**

Master of Science in Cybersecurity – Thesis Track

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Master of Science in Cybersecurity:
Students earning the Master of Science degree in Cybersecurity must satisfy all general University requirements or graduate programs and meet all financial obligations before a degree is awarded.

Cybersecurity Course Requirements

	Cybersecurity Core Courses	Hours
	ITE 520 Cybersecurity Foundations	3
	MCO 500 Cybersecurity Risk Management	3
	MCO 510 Cybersecurity Policy	3
	ITE 522 Communications and Network Security	3
	ITE 523 Cryptography and System Security	3
	Elective Courses Students select three courses from the following, for a total of 12 credit hours. CS 527 Advanced Database Systems and Information Processing CS 513 Data Mining, Analysis, and Visualization ITE 525 Virtualization and Cloud Security CS 530 Principles of Computer Communications and Networks CS 551 Advanced Principles of Software Engineering and Methods CS 553 Secure Software Engineering and Testing ITE 524 Advanced Computer Forensics ITE 527 Advanced Topics in Cybersecurity CS 577 Event Modeling and Simulation MCO 515 Cybersecurity Continuity Planning and Incident Reporting MCO 520 Asset Security and Cybersecurity Auditing MCO 525 Cybersecurity Leadership and Strategic Planning	12
	Core Requirement Hours	**27**

Thesis Track Course Requirements

In addition to the Cybersecurity Core Course Requirements, students must complete the additional coursework for the Non-Thesis Track.

	Thesis Track	
	Course	**Hours**
	CS 597 Project and Research Methods	3
	CS 599 Thesis OR MCO 599 Thesis	1-3

		Hours
	Total Minimum Hours Required for Completion of Master of Science degree in Cybersecurity Thesis Option	**31-33**

College of Education

Master of Education – Career and Technical Education (CTE)

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Master of Education degree with a major in Career and Technical Education:

(See the General University requirements for Admission to Graduate Programs in the 2023-2024 Graduate Catalog.)

Students earning the Master of Education (MEd) degree with a major in Career and Technical Education must satisfy all general University requirements for graduate programs and meet all financial obligations before a degree is awarded.

Career and Technical Education Core Course Requirements

	Course	Hours
	CE 500 Principles and Philosophies of Career and Technical Education	3
	CE 510 Culture, Diversity, and Ethics in the Workplace	3
	CE 540 Organization and Coordination of Career and Technical Education	3
	ED 500 Research Applications for Career and Technical Education	3
	ED 510 Technology for Teaching and Training	3
	Total Core Requirement Hours:	**15**

Concentration and CTE Elective Course Requirements

In addition to the Career and Technical Education core, students must complete all coursework for **one** of the concentrations below, and additional CTE electives as detailed below.

Curriculum and Instruction Concentration		
	Course	Hours
	Curriculum and Instruction Courses (3 courses required):	9
	CE 520 Curriculum Development	
	CE 550 Performance Analysis and Assessment	
	CE 620 Teaching and Training	
	Total Concentration Requirement Hours:	**9**

Instructional Technology Concentration		
	Course	Hours
	Instructional Technology Courses (3 courses required):	9
	ED 520 eLearning Design	
	ED 540 Technology Integration for Teaching and Training	
	ED 610 Technology for Educational Leaders	
	Total Concentration Requirement Hours:	**9**

Leadership Concentration		
	Course	Hours
	Leadership Courses (3 courses required):	9
	ED 530 Community Partnerships and Relations	
	ED 560 Mindful Leadership	
	ED 600 Industrial Management and Teambuilding	
	Total Concentration Requirement Hours:	**9**

CTE Elective Course Requirements

In addition to the Career and Technical Education core and concentration requirements, students must complete 6 hours of additional electives from the choices below. Course options should be discussed with the faculty advisor.

CTE Electives		
	Course	**Hours**
	Elective Courses (all courses are 3 hours except as noted): CE 560 Course Construction and Evaluation CE 580 Coordination and Supervision of Career and Technical Education CE 600 Adult and Community Education CE 610 Work Site Training and Development ED 550 Learning Theory ED 570 Competency-Based Education ED 620 Advanced eLearning Design and Instructional Strategies ED 630 Externship in Education ED 640 Creative Project (3-6 hours) ED 650 Quality Improvement in Education **Students may also choose electives from the courses required in concentrations other than their chosen concentration. Elective course options should be discussed with the faculty advisor.**	
	Total CTE Elective Requirement Hours:	**6**

		Hours
	Total Minimum Graduate Hours Required for Completion of Career and Technical Education Major	**30**

Course Descriptions

This section lists the descriptions for new courses offered at Athens State University after the initial print of the 2023-2024 Graduate Academic Catalog.

Course descriptions are presented in alphabetical order by **discipline prefix**.

Art (AR)
Business (BUS)
Career and Technical Education (CE)
Computer Science (CS)
Education (ED)
Instructional Design (ID)
Information Technology (ITE)
Management of Cybersecurity Operations (MCO)

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Art (AR)

AR 500 **Mentored Studies I (3 Sem. Hrs.)** *(Must Establish an Artist/Mentor)*
This course is taught by working professional artists in the student's locale and discipline. Students will develop a body of focused work in preparation for the final Thesis Exhibition, engage in independent work, sustain development of ideas and approaches, maintain continued, regular contact and relationships with Athens State art faculty, local mentors and fellow Athens State.

AR 501 **Advanced Figure Studies (3 Sem. Hrs.)**
Development of advanced figure drawing from a live male and female models using a variety of art materials, techniques, and artistic approaches. The purpose of this course is to help students develop advanced skills and understanding of drawing the human form, including anatomy, observation of the human form and fundamental exercises in gesture, contour, outline, and tonal modeling. Shared interaction and evaluation maintain a rigorous critical and creative environment where individual artists can succeed on their own terms.

AR 502 **Integrative Painting Materials and Techniques (3 Sem. Hrs.)**
A practicum-based course that explores different painting techniques and concepts, and alternative painting surfaces. Includes presentation of historical, cultural and contemporary trends in painting.

AR 503 **Seminar I (3 Sem. Hrs.)**
Students will engage, explore, and analyze a range of subjects in art and design through speaking, writing, research and presentation in ways that are relevant to their own art practice. These conversations will encourage connections while building rapport with peers and enhancing leadership skills.

AR 505 **UX/UI Design – Graphic Design for the Web (3 Sem. Hrs.)**
This course focuses on developing a mastery of the functional design of apps, websites, and interactive experiences from a visual and logistical perspective. It advances students learning of theories of human computer interaction as well as advances principles of interface design, prototyping, visual language, and responsive design. Students will use software such as Adobe Experience Design and related Adobe Creative Cloud programs to build a user experience from the ground up. Graduate students can expect an individual project chosen and planned by the student with approval of the instructor.

AR 506 **Multimedia Production Workshop (3 Sem. Hrs.)**
Learn beyond the basics of operating video equipment, editing, and motion graphics software. Students are instructed on the three stages of multimedia project creation. In pre-production, students learn the basic principles of story development, storyboarding, scheduling, and budget planning. Students shoot short video stories and edit those stories together using Adobe Premiere and After Effects. As a participant in this course, students are expected to upload videos to the Internet. Skills acquired in this workshop have applications in broadcast journalism, documentary film, and transmedia storytelling. Visual content delivery methods, in both web and social media, are explored. The course focuses on a variety of strategic design elements such as: photography, graphic design, videography, motion design, virtual environments, multimedia, digital audio recording, User Experience (UX) and User Interface (UI) design as well as training in Augmented, Virtual, and Mixed Reality design (AR, VR, and MR, respectively).

Graduate students can expect an individual project chosen and planned by the student with approval of the instructor. Critiques, lectures, research groups, and student presentations provide the foundation of each residency. Shared interaction and evaluation maintain a rigorous critical and creative environment where individual artists can succeed on their own terms. Residencies end with Saturday Colloquium, an all-day event involving students, faculty and visiting artists from all disciplines.

AR 508 **Mentored Studies II (3 Sem. Hrs.)** *(Must Establish an Artist/Mentor)*
This course is taught by working professional artists in the student's locale and discipline. Students will develop a body of focused work in preparation for the final Thesis Exhibition, engage in independent work, sustain development of ideas and approaches, maintain continued, regular contact and relationships with Athens State art faculty, local mentors and fellow Athens State.

AR 510 **Digital Recording and Editing (3 Sem. Hrs.)**
Digital Recording & Editing is a lecture/lab course designed to build upon student's knowledge of the concepts and current trends of audio technology with a primary focus on combining various processes and tools to create new music compositions while speculating on the cultural, performance, and philosophical implications of music technology. This course is designed to teach upper-level, advanced computer sequencing techniques. Emphasis will be placed on projects in which students will be expected to sequence post production audio for use in live theater productions both inside and outside the university system. Topics include the acoustics of sound, digital audio, synthesis, sampling, MIDI (in performance and editing), the digital audio workstation, digital audio hardware, digital audio software and more.

AR 511 **Topics in Narrative Painting (3 Sem. Hrs.)**
A practicum-based course that explores narrative, symbol, and metaphor as subjects in painting.

AR 512 **Art Pedagogy (3 Sem. Hrs.)**
MFA candidates will understand the disciplinary and pedagogical knowledge required of a teaching practitioner in a professional setting. This class will provide students with knowledge of how people learn in various ways and the ability to apply that knowledge to assure the success of the future MFA candidate's students. Candidates will embrace student centered learning, maintain knowledge of disciplinary content as it applies to an educational setting, possess a foundation of professional and pedagogical knowledge and model equitable classroom practice.

AR 513 **Portrait Painting and Drawing (3 Sem. Hrs.)**
Students will use a variety of media to develop advanced skills and techniques in portraiture.

AR 516   **Research in Glaze Chemistry and Kiln Design II (3 Sem. Hrs.)**
An intensive, blended lecture and practicum-based study focused on the science behind the ceramic materials and glazes. The course will provide information and science to help each student effectively utilize glaze materials in ways that will enhance and improve their individual practice. Students will also learn how to effectively process local clays and develop clay bodies from raw materials. This course also covers kiln design and maintenance; ceramic surfaces; glaze calculations; and firing techniques as well as studio practices and safety. Students will be asked to apply these concepts in the ceramic's studio as part of their coursework. MFA candidates can expect and individual research project developed between the student and their major professor.

AR 518   **Senior Studio: Refining a Cohesive Body of Work (3 Sem. Hrs.)**
Crucial facets of a successful studio practice that happen concurrently, and in dialogue with art making are studied and practiced. Writing, reading, communication, and professional practices will be explored as ways of bolstering students' understanding of their own studio practice within the wider history of art and particularly within the context of contemporary art. Extensive art-making is expected. Shared interaction and evaluation maintain a rigorous critical and creative environment where individual artists can succeed on their own terms.

AR 520   **Advanced Principles of Scenic and Lighting Design (3 Sem. Hrs.)**
This course is an advanced production class focusing on the art of scenic and lighting design, following the process from concept to realized design while emphasizing and incorporating principles of design and elements of composition. Various techniques in advanced work will be discussed and utilized as students work to conceptually design a production through research, drafting, sketches, computer design, and model creation. Students will have the opportunity to reinforce and utilize their knowledge of the elements of design, design vocabulary and skills, and to work on the collaborative process of theater design.

AR 521   **Seminar: Sacred Art in History (3 Sem. Hrs.)**
All course requirements are completed online. Students will engage in individual work, as well as small group and whole class discussions using Canvas to work through the assigned problem and create written responses. Challenging topics in art history are assigned each week to deepen student understanding of a particular form of religious art and its possible roles, to create opportunities for students to locate appropriate resources, and to promote critical thinking skills in the context of complex art history questions. The group discussion problems enable students to make a connection between the information presented by the text and through research and the historical and cultural circumstances in which religion and spirituality has influenced art. 500 level students can expect more complex learning objectives and the requirement of a portfolio piece.

AR 522   **New Media: Alternative Firing Process (3 Sem. Hrs.)**
An intensive, blended lecture and practicum-based study focused on the history and technique of alternative firing processes. The course will provide information and science to help each student learn a variety of atmospheric and alternative firing processes including raku, naked raku, luster fuming, and pit firing. Students will be asked to apply these concepts in the ceramics studio as part of their coursework.

AR 526   **Critical Theories in Visual Culture (3 Sem. Hrs.)**
This course will address critical theories leading to and supporting the post-modern movements in art. Emphasis on analyzing and discussing individual today's works of art in light of contemporary writings by artists and theorists. Reading and writing-emphasis course.

AR 530   **Graduate Studio Community Project (3 Sem. Hrs.)**
Students can expect collaborative processes, discussion, project making, and critique. Critical thinking and studio practice are integrated in assignments. Topics are drawn from design theory, visual cultural theory, art curatorial critique, and artists' writings, including those from history. This course requires students to experienced firsthand the power of engaging with communities and being a part of solutions. 5-day residencies are mandatory for low residency MFA candidates. Students are on the campus of the Alabama Center for the Arts to make and present their work to each other, and faculty, and to plan their next semester's study from Tuesday through Saturday.

AR 540   **Digital Animation and Graphic Design (3 Sem. Hrs.)**
This course is designed for students interested in 2D and 3D digital animation. Topics include concepts and techniques used for creating motion graphics, animated films, and special effects. Students are introduced to Adobe After Effects and 3D features of Maya: modeling, animation, texture, lighting, rendering, expressions, dynamics, and workflows. Students gain experience by following class examples and completing assignments. Students in this course create 2D and 3D animation projects intended to build their portfolio.

AR 543   **Art Entrepreneurship Residency (3 Sem. Hrs.)**
This course prepares the student to take the next career step, whether they are going into the job market as a professional artist, starting a business, or continuing their education at the graduate level. Students will participate in online discussions regarding weekly reading assignments from the course text. This structure will provide guidelines for product / service development, audience engagement, and launch. Personal / business journals will be utilized as a learning tool for future projects. A major focus will be the development of an eCommerce site to establish an online presence.

AR 546   **Virtual Environments (3 Sem. Hrs.)**
This course provides students with the opportunity to create virtual reality experiences and interactive 3D environments. Topics covered in this course apply to game design, filmmaking, mobile apps, and virtual scenery for live performance. Students in this course develop skills in 3D modeling, animation, game design, and user experience design. Students work independently on coursework and in small teams on collaborative projects. Graduate students can expect an individual project chosen and planned by the student with approval of the instructor. The course focuses on a variety of strategic design elements such as: photography, graphic design, videography, motion design, virtual environments, multimedia, digital audio recording, User Experience (UX) and User Interface (UI) design as well as training in Augmented, Virtual, and Mixed Reality design (AR, VR, and MR, respectively).

AR 555   **Projects in New Media (3 Sem. Hrs.)**
5-day residencies are mandatory for low residency MFA candidates. Students are on the campus of the Alabama Center for the Arts to make and present their work to each other, and faculty, and to plan their next semester's study from Tuesday through Saturday. Critiques, lectures, research groups, and student presentations provide the foundation of each residency. Shared interaction and evaluation maintain

a rigorous critical and creative environment where individual artists can succeed. This course investigates a variety of concerns of artists working with new media and forms of art through research and practice. This course takes an integrated approach to contemporary media practices by synthesizing fine arts with electronic and digital technologies. Through technical innovation and interdisciplinary engagement, the course provides context for the relationship of media practices and other artistic disciplines. Using the platform of electronic and digital technologies students are encouraged to create projects grounded in traditional and experimental methods within the visual arts. The course offers students courses in video, animation, interactive design, as well as emerging technologies, such as 3D scanning, editing and printing.

AR 560　　**Special Workshop Arts and Crafts (3 Sem. Hrs.)**
This course is a special workshop in traditional arts and crafts, particularly sculpture. It looks at advanced exploration in various traditional materials and methods with an emphasis on design and craftsmanship. However, this course is unique in its insistence on exploring new media and technology that piggyback on traditional materials and methods in contemporary ways. Graduate students can expect research and an individual project designed by the student and instructor.

AR 561　　**Multimedia Installation (3 Sem. Hrs.)**
Learn beyond the basics of operating video equipment, editing, and motion graphics software. Students are instructed on the three stages of multimedia project creation. In pre-production, students learn the basic principles of story development, storyboarding, scheduling, and budget planning. Students shoot short video stories and edit those stories together using Adobe Premiere and After Effects. As a participant in this course, students are expected to upload videos to the Internet. Skills acquired in this workshop have applications in broadcast journalism, documentary film, and transmedia storytelling. Visual content delivery methods, in both web and social media, are explored.

Graduate students can expect an individual project chosen and planned by the student with approval of the instructor. Critiques, lectures, research groups, and student presentations provide the foundation of each residency. Shared interaction and evaluation maintain a rigorous critical and creative environment where individual artists can succeed on their own terms. Residencies end with Saturday Colloquium, an all-day event involving students, faculty and visiting artists from all disciplines.

AR 568　　**Topics in the History of Ceramics (3 Sem. Hrs.)**
This course will examine the history and theory of modern craft through a study of ceramic artists and movements. Lectures and readings will provide students with a chronological overview of more than a century of ceramics occurring within art, and will also consider the field's links to other crafts. Time will be reserved for discussions on the consequence of socioeconomic, political, philosophical, and industrial influences as drivers of change.

Graduate students can expect an individual project in art history chosen and planned by the student with approval of the instructor.

AR 570　　**Modernism and Post-Modernism in Design (3 Sem. Hrs.)**
The course examines the role of international design in relation to an emerging industrial world and advances in technology during the late 19th century through the 20th century. This course will focus on various graphic design movements from De Stijl and Dada to the impact of the Bauhaus and the International Typographic Style; from the sixties' psychedelia to the punk seventies and postmodern eighties and nineties. Students assess the integration of art and design with new technologies and consider the effects of war, mass-production, and urbanization. Students also engage with the changing meaning of design in an age of postmodernist deconstruction, pluralism, and irreverence at the turn of the new millennium. Graduate students can expect an individual project in art history chosen and planned by the student with approval of the instructor.

AR 600　　**Mentored Studies III (3 Sem. Hrs.)** *(Must Establish an Artist/Mentor)*
This course is taught by working professional artists in the student's locale and discipline. Students will develop a body of focused work in preparation for the final Thesis Exhibition, engage in independent work, sustain development of ideas and approaches, maintain continued, regular contact and relationships with Athens State art faculty, local mentors and fellow Athens State.

AR 602　　**Seminar II (3 Sem. Hrs.)**
Students will engage, explore, and analyze a range of subjects in art and design through speaking, writing, research and presentation in ways that are relevant to their own art practice. These conversations will encourage connections while building rapport with peers and enhancing leadership skills.

AR 608　　**Mentored Studies IV (3 Sem. Hrs.)** *(Must Establish an Artist/Mentor)*
This course is taught by working professional artists in the student's locale and discipline. Students will develop a body of focused work in preparation for the final Thesis Exhibition, engage in independent work, sustain development of ideas and approaches, maintain continued, regular contact and relationships with Athens State art faculty, local mentors and fellow Athens State.

AR 616　　**Thesis Design (3 Sem. Hrs.)**
This is an intensive critique-based course in which MFA candidates work closely with their major professor and their primary mentor to develop and map their future thesis exhibition project. The student is required to examine closely their current work, plan their goals for the body of work they will exhibit and produce a significant body of work during the course in which the ideas, method of investigation, and execution are determined by the student, with the mentorship of their major professor. The creation of work for the exhibition is expected to continue. Students will be introduced to the theory, methods and skills for developing and constructing a research project plan and for developing and framing researchable question by focusing on techniques for the analysis and synthesis of concepts and theories integration and application of concepts and theories into a concise project plan including a clear methodology and research design.

AR 700　　**Thesis Research and Writing (3 Sem. Hrs.)**
The MFA Visual Arts degree culminates in an exhibition of a body of work, a written thesis that supports the work, and an oral defense of both. The MFA thesis balances a focus on process and art making with using research and citations to put student's art into a larger context with evidence as support for their claims. Students will apply and integrate theory, methods and skills for executing a research project according to plan, and for assessing project outcomes. Students will focus on techniques for analysis of design activities and synthesis of

research findings including project documentation and theoretical analysis of designed outcomes. Each graduate student enrolled in the MFA in Visual Art program will be assigned an MFA Thesis Advisor.

AR 701   **Exhibition and Thesis Defense Residency (3 Sem. Hrs.)**
In conjunction with their major professor, the Gallery Director and the Operational office at the Alabama Center for the Arts, students will create their final exhibition and opening reception. Students will present their Thesis Defense, which is the final review of the work produced in the MFA Program. The purpose of this defense is to evaluate each student's Thesis Exhibition. This requires that students be able to discuss their work, to provide a context for it, and to respond to criticism and questions. At the conclusion of this formal review by all the faculty, a determination is made as to whether the student receives credit based on the completion and public presentation of a final body of work, showing professional competence, evidence of graduate level visual research, and written thesis paper. 5-day residencies are mandatory for low residency MFA candidates. Students are on the campus of the Alabama Center for the Arts to make and present their work and defend their thesis is a culminating exhibition.

Business (BUS)

BUS 675   **Business Analytics Practicum (3 Sem. Hrs.)**
Prerequisites: BUS 525 and BUS 603 (MS-SHRM students only: BUS 525 and BUS 655)
This course provides students with hands-on analytics experience through working with real-world data that develops and sharpens the skills needed to incorporate business analytics with strategic business decisions including analysis, critical thinking, presentation, problem solving, and teamwork. Skills in these areas are developed through discussion of the principles underlying best practices and applying the core tools to the completion of real-world projects and case studies.

Career and Technical Education (CE)

CE 610   **Work Site Training and Development (3 Sem. Hrs.)** *Crosslisted with ID 610*
This course will prepare students to design and develop training programs based on the personal needs of an organization's employees. Students will be required to design, develop, and then assess the effectiveness of their training programs. The course will, also, examine special topics of interest, such as diversity and leadership training.

Computer Science (CS)

CS 518   **Advanced Object-Oriented and Functional Programming (3 Sem. Hrs.)**
Prerequisite: CS 417; Minimum grade C
This course will cover advanced object-oriented, event-driven, and functional programming using modern programming languages. Materials covered will include implementation of inheritance, techniques to achieve encapsulation and improve code reusability, using a normal modeling language for program design, GUI development, event handling, and multithreading programming.

CS 530   **Principles of Computer Communication and Networks (3 Sem. Hrs.)**
Prerequisite: Permission of Instructor
Computer networks, including telecommunications and the related data transmission techniques. Topics include network philosophy, design, and implementation.

CS 553   **Secure Software Engineering and Testing (3 Sem. Hrs.)**
This course is the study of the Secure Software Development Life Cycle which correlates to the Systems Development Life Cycle. An emphasis on developing secure software and the different stages of the SDLC that the SSDLC correlates to will be a main focus. The course will also cover Software Testing practices and the essential types of testing. Lastly, results of secure development and software testing will be discussed and analyzed to determine what the impact would be and the corrective actions that may need to take place before the software is made available.

CS 575   **Theory of Computation (3 Sem. Hrs.)**
Prerequisite: (CS 472 or equivalent) or Permission of Instructor
This is a course on the theory of computing. Topics covered include finite automata, regular expressions and languages, pushdown automata, pumping lemmas for regular and context-free grammars, the Chomsky hierarchy of language classes, Turing machines and computability, the decidability of the halting problem, time complexity and NP-completeness and tractability.

CS 585   **Intelligent Systems: Theory, Design and Implementation (3 Sem. Hrs.)**
Prerequisite: CS 485; Minimum grade C
Topics include knowledge representation, knowledge acquisition, and planning. Selected topics from natural language understanding, learning, vision, and robotics.

CS 597   **Project and Research Methods (3 Sem. Hrs.)**
Prerequisite: Must have completed 9-12 credit hours in graduate program with a minimum grade of C
Students will work closely with the faculty member teaching the course to identify an area of interest to focus their project/thesis. Students will be required to identify their primary project/thesis advisor during this course along with two additional graduate faculty members to

form their project/thesis advisory committee. Students will be guided through the steps of creating a project/thesis proposal, preparing for a project/thesis defense, and writing a statement of work before they begin to work on their individual project requirements. Students will be required to register for a second semester where they will work one on one with their primary project/thesis advisor to develop their project/research and to defend their work. Future enrollment to complete the work will be discussed towards the end of the semester.

CS 598 **Project Development (1-3 Sem. Hrs.)**
Prerequisite: CS 597; Minimum grade B
This course will provide an opportunity to research, discuss and document topics approved in CS 597. The student will work closely with the faculty member in researching and working on a major research project in the area of the student's relevant topic. The student will write a project report and give an oral presentation of the research findings.

CS 599 **Thesis (1-3 Sem. Hrs.)**
Prerequisite: CS 597; Minimum grade B
A student will work closely with a primary advisor as well as two additional faculty members that will make up their graduate thesis committee in developing and completing the thesis requirements.

Education (ED)

ED 505 **Research and Professional Communication (3 Sem. Hrs.)**
This course covers the fundamentals of behavioral science on effective communication practices to provide business professionals with knowledge and tools to perform relative experiential research: and communicate clearly and effectively utilizing communication theory, listening, writing, speaking, intercultural communication, team participation, collaborative communication, correspondence, communications history, and leadership skills.

ED 515 **The Adult Learner (3 Sem. Hrs.)**
This course provides students with the knowledge, skills and abilities to effectively use instructional strategies and methodologies to motivate and train adult learners.

ED 520 **eLearning Design (3 Sem. Hrs.)** *Crosslisted with ID 520*
This course focuses on the application and interpretation of theory, research and standards-based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online course design including analysis, content design, material development and lesson evaluation.

ED 620 **Advanced eLearning Design & Instructional Strategies (3 Sem. Hrs.)** *Crosslisted with ID 620*
This course focuses on the advanced application and interpretation of theory, research and standards based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online teaching (e.g. asynchronous communication, facilitation and feedback) based on research, critically evaluate existing social media and online resources, and apply their learning to online content design.

Instructional Design (ID)

ID 500 **Foundations of Development, Design, and Performance Improvement (3 Sem. Hrs.)**
This course provides a comprehensive introduction to the principles and practices of instructional design and explores key concepts, theories, and methodologies essential for creating effective and engaging learning experiences. Participants will learn the importance of how to analyze learner needs, set clear objectives, design instructional strategies, integrate technology and multimedia, and evaluate the effectiveness of their designs. By the end of the course, learners will have a solid foundation in instructional design, enabling them to create inclusive and impactful learning materials that foster performance and meet desired outcomes.

ID 520 **eLearning Design (3 Sem. Hrs.)** *Crosslisted with ED 520*
This course focuses on the application and interpretation of theory, research and standards-based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online course design including analysis, content design, material development and lesson evaluation.

ID 530 **Digital Asset Design and Creation (3 Sem. Hrs.)**
This course examines visual literacy and graphic design principles to expedite acquisition of instructional materials to learners. The course will also explore the basic elements of Adobe Photoshop and Adobe lnDesign which will allow students to develop various materials for implementation in various design projects throughout the program and throughout their career. Course Fee: Cost of Photoshop / lnDesign License

ID 540 **Multimedia Development for Digital Environments (3 Sem. Hrs.)**
This course explores multimedia development theories as applied to educational and training contexts. Students will leam how to assemble and combine media sources into fluid training/educational videos. Course Fee: Cost of Camtasia Studio.

ID 545 **Special Project in Multimedia Development(3 Sem. Hrs.)** *Instructor Approval, Prerequisite: CE 308 and CE 408*
This course is designed for students who have successfully completed both CE 308 and CE 408. An advanced course in which students will participate in specialized projects in multimedia development.

ID 610   **Personnel Training Design and Development (3 Sem. Hrs.)** *Crosslisted with CE 610*

This course will prepare students to design and develop training programs based on the personal needs of an organization's employees. Students will be required to design, develop, and then assess the effectiveness of their training programs. The course will also examine special topics of interest, such as diversity and leadership training.

ID 620   **Advanced eLearning Design and Instructional Strategies (3 Sem. Hrs.)** *Crosslisted with ED 620*

This course focuses on the advanced application and interpretation of theory, research and standards based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online teaching (e.g. asynchronous communication, facilitation and feedback) based on research, critically evaluate existing social media and online resources, and apply their learning to online content design.

ID 630   **Digital Lesson and Training Development (3 Sem. Hrs.)**

This course explores the various elements of creating modules, lessons and courses for the digital environment. Students will also learn how to develop these elements using industry appropriate eLearning authoring software. Course Fee: Cost of Articulate Storyline or Adobe Captivate.

ID 635   **Special Project in Digital Lesson and Training Development (3 Sem. Hrs.)** *Instructor Approval, Prerequisite: CE 308 and CE 408*

This course is designed for students who have successfully completed both CE 308 and CE 408. An advanced course in which students will participate in special projects utilizing advanced skills in digital lesson and training development.

ID 640   **Digital Training Delivery (3 Sem. Hrs.)**

This course explores various aspects of the development, implementation and evaluation portion of instructional design and development projects. Topics such as prototype delivery models, integration with learning management systems, Internet hosting services, and cloud delivery options will be discussed. Students will gain hands-on experience working in a variety of eLearning distribution environments.

Information Technology (ITE)

ITE 524   **Advanced Computer Forensics (3 Sem. Hrs.)**

This course introduces students to the principal activities and state-of-the-art techniques involved in developing digital forensics systems. Topics covered may include: advanced file carving and reconstruction, forensic analysis of modern filesystems, network forensics, mobile device forensics, memory forensics, and anti-forensics.

Management of Cybersecurity Operations (MCO)

MCO 598   **Project Development (1-3 Sem. Hrs.)**
Prerequisite: CS 597; Minimum grade B

This course will provide an opportunity to research, discuss and document topics approved in CS 597. The student will work closely with the faculty member in researching and working on a major research project in the area of the student's relevant topic. The student will write a project report and give an oral presentation of the research findings.

MCO 599   **Thesis (1-3 Sem. Hrs.)**
Prerequisite: CS 594; Minimum grade B

A student will work closely with a primary advisor as well as two additional faculty members that will make up their graduate thesis committee in developing and completing the thesis requirements.