

SCIENCE & ENGINEERING (SCEN)

SCEN 1010 Communicating Science: Teaching (1)

In New Orleans schools, one of the many challenges is the uneven level of preparation among students, particularly in STEM (science, technology, engineering, and math). Students are often motivated but hampered by disparities in their educational backgrounds and resources available. In this course, we try to understand the origins of their difficulty and the educational landscape of New Orleans. Then we apply that knowledge by working with the students and also fulfilling Tier 1 of the Newcomb Tulane College Public Service requirement. The service, a minimum of 20 hours over the course of a semester done through partnerships with community organizations, can take the form of teaching, tutoring, and assisting with in-class exercises related to STEM, while always acting as a mentor and role model to local students.

Corequisite(s): SCEN 1890.

SCEN 1015 Creative Music Technology (3)

This course is for high school students enrolled in the TSSP summer program. Students in this course survey the history and techniques employed by creative music technologists. Students engage in daily creative music projects using Digital Audio Workstations, Recording Technology, and Music Programming Techniques. (High School Students Only)

SCEN 1030 Introduction to Creative Coding for the Web (3)

The internet is all around us and coding for it has never been easier and more accessible thanks to open source and free software. In this introductory course (no prior coding experience necessary), students will learn how to code for the web using p5.js (a Javascript library) to create interactive and fun applications. Along with the students' own designs, we will be looking at artists, designers and online communities who have been making experimental works with code over the last 50 years. Students will leave this course with a basic to intermediate understanding of coding structure, logic and syntax in addition to a final project. Open to high school students only.

SCEN 1400 Engineering at Tulane and Beyond (1)

This course will introduce students to engineering at Tulane through a semester-long design challenge, and engagement with faculty from the departments of Biomedical Engineering, Chemical & Biomolecular Engineering, Engineering Physics, and River Coastal Science & Engineering. Students can also participate in an optional 20-hour service-learning component by enrolling in SCEN 1890. This course is restricted to first-year students only and is recommended for students interested in majors in the School of Science and Engineering.

SCEN 1500 Interdisciplinary Science (3)

SCEN 1660 Special Topics (1-4)

Special Topics. Courses may be repeated up to unlimited credit hours under separate topic.

Maximum Hours: 99

SCEN 1665 Special Topics Lab (0-1)

Special Topics Lab Course. Courses may be repeated up to unlimited credit hours under separate topic.

Corequisite(s): SCEN 1660.

Maximum Hours: 99

SCEN 1860 Chemistry for Healthcare Professionals (3)

Chemistry for the Healthcare Professionals, is an entry-level course designed for students in nursing and related healthcare fields, providing a solid foundation in general, organic, and biological chemistry. The course explores key principles including atomic structure, bonding, and nuclear chemistry, while emphasizing their applications in medical and healthcare contexts. Students will gain a comprehensive understanding of chemical reactions, molecular structures, and biological processes, which are crucial for appreciating subjects such as nutrition and pharmacology. The course culminates in a focus on the structure and nomenclature of organic and biomolecules, underscoring their relevance in healthcare.

Corequisite(s): SCEN 1865.

SCEN 1865 Chemistry for Healthcare Professionals Lab (1)

Chemistry for the Healthcare Professionals Lab, is an entry-level virtual course designed for students in nursing and related healthcare fields, providing a solid foundation in general, organic, and biological chemistry laboratory methods. The course explores key principles including atomic structure, bonding, and nuclear chemistry, while emphasizing their applications in medical and healthcare contexts. Students will gain a comprehensive understanding of chemical reactions, molecular structures, and biological processes, which are crucial for appreciating subjects such as nutrition and pharmacology. The course culminates in a focus on the structure and nomenclature of organic and biomolecules, underscoring their relevance in healthcare.

Corequisite(s): SCEN 1860.



SCEN 1890 Service Learning (0-1)

Students complete a service activity in the community in conjunction with the content of a three-credit co-requisite course. Course may be repeated up to unlimited credit hours.

Corequisite(s): SCEN 1010.

Maximum Hours: 99

SCEN 1891 Service Learning (0-1)

Students complete a service activity in the community in conjunction with the content of a three-credit co-requisite course. Course may be repeated up to unlimited credit hours.

Corequisite(s): SCEN 1400.

Maximum Hours: 99

SCEN 1940 Transfer Coursework (0-20) Transfer Coursework at the 1000 level. Department approval may be required.

Maximum Hours: 99

SCEN 1945 Transfer Coursework Lab (0-20)

Transfer Coursework at the 1000 level. Department approval may be required.

Maximum Hours: 99

SCEN 2030 Anatomy (3)

The purpose of this course is to aid students in acquiring an understanding of, and new appreciation for, the structures of the human body and their relationships using a regional approach. Early in the course, students are introduced to structural, directional, and regional terminology. Students are introduced to structures at the tissue level, differentiating between cell structure and function. Using this foundation, the curriculum guides students through segments of the body, primarily focusing on the skeletal, muscular, nervous, and cardiovascular systems while introducing basic anatomy of visceral organs.

Prerequisite(s): CELL 1010 or EBIO 1010.

SCEN 2035 Anatomy - Lab (1)

This Anatomy Lab course is designed to concurrently apply anatomical concepts to the field of Exercise Science. Students are taught to perform detailed analyses of human motion, with consideration of lever systems, muscle architecture, recruitment patterns, and motor pathways. Students view common surgeries and rehabilitation techniques. Students are responsible for identifying structures on a variety of imaging mediums, including cross sectional scans, x-rays, and cadaveric images.

Prerequisite(s): CELL 1010 or EBIO 1010.

Corequisite(s): SCEN 2030.

SCEN 2040 Physiology (3)

The Physiology course is designed to examine body processes using an integrative view of body systems. Throughout the curriculum students are introduced to processes of muscle contraction, conduction of nervous tissue, and metabolism. Special attending is paid to the endocrine system and autonomic nervous system and their influences.

Prerequisite(s): CELL 1010 or EBIO 1010.

SCEN 2045 Physiology - Lab (1)

The Physiology I Lab course focuses on pathway-based instruction and assessment and incorporates activities for students to perform via a virtual lab. Lab activities will focus on systemic and sub cellular pathways, including ion transport, reflexes, homeostatic feedback loops, and function of the special senses.

Prerequisite(s): CELL 1010 or EBIO 1010. Corequisite(s): SCEN 2040.



SCEN 2050 Anatomy and Physiology I for Health Professionals (3)

This course introduces students to the foundational structures and functions of the human body. Emphasis is placed on the skeletal, muscular, nervous, cardiovascular, and integumentary systems, with an introduction to histology and medical terminology. Students will explore the anatomical relationships between different structures and analyze how these systems contribute to overall physiological function, especially in movement. The course includes an application-based approach to understanding muscle roles during human movement and introduces the importance of homeostasis and clinical correlations. In addition to interactive lectures, students will engage in online discussions about common pathologies, including cardiovascular and musculoskeletal disorders. Case studies will illustrate real-world applications of anatomical knowledge in clinical settings, including pathophysiology and developmental anatomy.

SCEN 2055 Anatomy and Physiology I for Health Professionals - Virtual Laboratory (1)

This online laboratory complements SCEN 2050 by focusing on the identification of anatomical structures and the application of pathway-based learning in human physiology. Through detailed anatomical imaging and interactive modules, students will identify and classify structures related to the skeletal, muscular, nervous, cardiovascular, and integumentary systems. Labs emphasize anatomical structure recognition, muscle roles during movement, and how these systems contribute to overall body function. Students will frequently participate in peer teaching activities where they explain anatomical concepts and physiological processes to classmates, reinforcing understanding through active learning.

SCEN 2060 Anatomy and Physiology II for Health Professionals (3)

The second part of the Anatomy & Physiology sequence covers the structure and function of the human body's endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive, and immune systems. This course emphasizes how these systems interact to maintain homeostasis, with special attention to hormonal regulation, fat storage, and the development of chronic cardiometabolic diseases such as diabetes and cardiovascular disorders. Students will analyze advanced physiological mechanisms and apply their understanding to clinical settings. Lecture materials will be supplemented with research papers to illustrate the application of course content to healthcare. Discussions on developmental anatomy and pathophysiology will further enhance students' understanding of how disruptions in normal anatomy and physiology lead to disease, including the role of adipose tissue in chronic disease progression.

SCEN 2065 Anatomy and Physiology II for Health Professionals - Virtual Laboratory (1)

This online laboratory complements SCEN 2060 and focuses on identifying anatomical structures and understanding physiological pathways in the cardiovascular, respiratory, digestive, urinary, endocrine, reproductive, lymphatic, and immune systems. The lab uses a digital atlas, imaging, and commonly collected physiological variables to emphasize the integration of structure and function of systems. Students will analyze physiological processes such as blood pressure regulation, gas exchange, digestion, fluid balance, fat storage, and immune responses, connecting anatomical structures with their roles in maintaining homeostasis. A core component of this lab involves students teaching back physiological concepts and mechanisms to their peers to enhance learning retention and prepare students to explain complex medical information in clinical settings.

SCEN 2070 Comm Sci.: STEM Enrichment (1)

The Tulane Center for K-12 STEM Education has partnered with local middle schools to bring hands-on STEM activities into their school. Students will work with various graduate students who are leading these workshops at the Center's local partner schools and/or assisting with the planning and execution of the Center's events. Tulane students will learn middle school pedagogy (teaching techniques) as well as how to make learning science fun and exciting for our local students. SCEN 2070 satisfies the lower tier Service Learning graduation requirement. The service is a minimum of 40 hours over the course of the semester. Class time is not counted toward hours, and weekly attendance is required.

SCEN 2660 Special Topics (1-3)

Special Topics. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 2665 Special Topics Lab (0-1)

Special Topics Lab Course. Courses may be repeated up to unlimited credit hours under separate topic.

Maximum Hours: 99

SCEN 2700 Indigenous Cultures & Communities of the Gulf South (3)

This course is intended for undergraduate and graduate students interested in the indigenous cultures and communities who continue to occupy the Gulf South region including parts of what is now called eastern Texas, Louisiana, Mississippi, Alabama, western Florida, and southern Georgia, as well as groups living in eastern Oklahoma as a result of removal. These groups include the Biloxi, Chitimacha, Choctaw, Natchez, Atakapa-Ishak, Tunica, Houma, Mvskoke, among other current and former tribal nations. This course seeks to center pre-historical, historical, and contemporary cultures, peoples, and voices of the region for students of both indigenous and non-indigenous backgrounds. Topics include mound-building, plant knowledge, musical traditions, languages, basket-weaving (and other material cultures), dance, tribal governance, state & federal recognition, loss of land, games & entertainment, history & oral tradition, foodways, and tattooing.



SCEN 2890 Service Learning (0-1)

Students complete a service activity in the community in conjunction with the content of a one to three-credit co-requisite course. Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 2940 Transfer Coursework (0-20)

Transfer Coursework at the 2000 level. Department approval may be required.

Maximum Hours: 99

SCEN 2945 Transfer Coursework Lab (0-20)

Transfer Coursework at the 2000 level. Department approval may be required.

Maximum Hours: 99

SCEN 3030 Anatomy & Physiology I (3)

The course objectives are to learn the principal structure and physiology of the musculoskeletal, peripheral nervous, and central nervous systems and to be able to relate the structures to their functions.

Prerequisite(s): EBIO 1010 or CELL 1010.

SCEN 3034 Anatomy & Physiology Virtual Lab I (1)

The first of two sequenced laboratory courses that complements SCEN 3030. Discussion of anatomical nomenclature and virtual dissection of structures in the musculoskeletal and nervous systems. All learning and dissection on virtual models and using a virtual dissection platform.

Prerequisite(s): SCEN 3030*.

^{*} May be taken concurrently.

SCEN 3035 Anatomy & Physiology Cadaver Lab I (1)

The first of two sequenced laboratory courses that complements SCEN 3030. Discussion of anatomical nomenclature, skeletal, muscular, peripheral and central nervous systems dissections. Dissection and exploration of human cadavers are an integral component of the laboratory experience.

Prerequisite(s): SCEN 3030*.

May be taken concurrently.

SCEN 3040 Anatomy & Physiology II (3)

The second of two sequenced courses in human anatomy and physiology. The second sequenced course explores special senses, the respiratory, cardiovascular, lymphatic and reproductive systems.

Prerequisite(s): SCEN 3030.

SCEN 3044 Anatomy & Physiology Virtual Lab II (1)

The second of two sequenced laboratory courses that complements SCEN 3040 Discussion of anatomical nomenclature and virtual dissection of structures in the cardiopulmonary, digestive, urinary, lymphatic, and reproductive systems as well as continuing building on musculoskeletal and nervous system knowledge. All learning and dissection on virtual models and using a virtual dissection platform.

Prerequisite(s): SCEN 3035 or 3034.

SCEN 3045 Anatomy & Physiology Cadaver Lab II (1)

The second of two sequenced laboratory courses that complements SCEN 3040. Systems covered included: autonomic nervous system, special senses, endocrine, cardiovascular, respiratory, digestive, urinary and reproductive systems. Dissection and exploration of human cadavers are an integral component of the laboratory experience.

Prerequisite(s): SCEN 3035.

SCEN 3050 Biotech Entrepreneurship (3)

SCEN 3050 provides a multi-disciplinary exploration of "real world" topics that science and engineering researchers must consider when translating their innovations from the laboratory to the medical arena. The focus is on such processes as identifying and validating a need, brainstorming and selecting a concept, developing an intellectual property strategy, determining funding sources, and evaluating the reimbursement and regulatory pathway. The goal is to provide students with critical information pertinent to the translation of their idea or invention from original conception in the university laboratory all the way to the healthcare marketplace where it may impact patients.



SCEN 3660 Special Topics (1-3)

Special Topics. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 3665 Special Topics Lab (0-1)

Special Topics Lab Course. Courses may be repeated up to unlimited credit hours under separate topic.

Maximum Hours: 99

SCEN 3880 Writing Intensive (0)

Course to be attached to regular courses that incorporate a writing component within the regular course. Register within department.

SCEN 3890 Service Learning (0-1)

Students complete a service activity in the community in conjunction with the content of a three-credit co-requisite course. Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 3940 Transfer Coursework (3)

Transfer Coursework at the 3000 level. Department approval may be required.

Maximum Hours: 99

SCEN 3945 Transfer Coursework Lab (0-20)

Transfer Coursework Lab. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 4110 Basic Medical Biochemistry (3)

Basic Medical Biochemistry aims to establish the student's biochemical competency for admission to medical school and success in the firstyear medical curriculum. The course focuses on topics, mechanisms, and analyses that are most relevant to human health and disease, including biomolecule structure and function, gene regulation, and metabolism in cancer, diabetes, and heart disease. The instructors are faculty in the Tulane Medical School, and classes are held on the medical campus. Course topics are drawn from those addressed by Tulane medical students. Instructional methods include those currently employed in the Tulane Medical School, such as the flipped classroom and team-based learning. Students will be provided an array of learning aids, including instructional videos. Junior standing or instructor approval. Course does not count towards major requirements in CMB, BIOC, CHEM, or CHE. Credit not given for this course and CELL 4010/6010, CHEM 3830, CENG 4450 or CENG 4460.

Prerequisite(s): (CHEM 2410 or 2430) and (CELL 2050 or EBIO 2070).

SCEN 4570 Internship (1-3)

An experiential learning course in which students will work with community partners in a variety of settings (health, environmental, education, etc.). Inclass sessions and assignments will consist of discussions, readings, and written and oral reflections to place the volunteer service into the greater academic context. Fulfills the second tier service requirement. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 4580 Internship (1-3)

An experiential learning process coupled with pertinent academic course work. Registration is completed in the SSE Dean's office. S/U graded. Does not count towards any major requirements but does count as required credits for graduation.

Maximum Hours: 3

SCEN 4590 Internship (1-3)

An experiential learning process coupled with pertinent academic course work. Registration is completed in the SSE Dean's office. S/U graded. Does not count as credits required for graduation.

Course Limit: 2



SCEN 4660 Special Topics (1-3) Special Topics. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 4665 Special Topics Lab (0-1)

Special Topics Lab Course. Courses may be repeated up to unlimited credit hours under separate topic.

Maximum Hours: 99

SCEN 4890 Service Learning (0-1)

Students complete a service activity in the community in conjunction with the content of a three-credit co-requisite course. Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 4910 Independent Study (1-3) Laboratory or library research under direction of a faculty member.

Maximum Hours: 6

SCEN 4920 Independent Study (1-3) Laboratory research under direction of a faculty member. Graded with S/U (Satisfactory/Unsatisfactory) grading.

Course Limit: 99

SCEN 4940 Transfer Coursework (3) Transfer coursework at the 4000 level. Departmental approval required.

Maximum Hours: 99

SCEN 4945 Transfer Coursework Lab (0-20) Transfer Coursework Lab. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 4950 Special Projects in SCEN (1-3) Students will work on their own project in consultation with a faculty member.

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SCEN 5380 Study Abroad (1-20) Semester Abroad. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99 SCEN 5390 Study Abroad (1-20) Semester Abroad. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99





SCEN 6000 Entrepreneurship Eng & Biosci (3)

This course focuses on taking graduate and senior capstone engineering and bioscience research projects to a commercial stage. Not only does one need to take the research projects to an advanced engineering/bioscience stage in order to be commercialized, one needs to develop a competitive business plan, an intellectual property position, and a sustainable competitive advantage. Additionally, this course explores the major economic and technological developments that are shaping the world, how to develop and sustain a competitive bioengineering or biotech start-up firm, how to write a competitive business plan and the proper interaction with venture capitalists, lawyers and investment bankers through the entire business cycle. All through this process, the importance of ethics is continually studied, stressed and examined. Guest speakers are incorporated throughout the semester including a venture capitalist, a business ethicist, startup attorney, investment banker and several bioscience and biomedical engineering entrepreneurs.

SCEN 6030 Anatomy & Physiology I (3)

The course objectives are to learn to identify the principal components of the musculoskeletal, peripheral nervous, and central nervous systems and to be able to relate the structures and their functions. (Graduate section of SCEN 3030.)

SCEN 6035 Anatomy & Physiology Cadaver Lab I (1)

The first of two sequenced laboratory courses that complements SCEN 6030. Discussion of anatomical nomenclature, skeletal, muscular, peripheral and central nervous systems dissections. Dissection and exploration of human cadavers are an integral component of the laboratory experience. (Graduate section of SCEN 3035.)

Prerequisite(s): SCEN 6030^{*}.

* May be taken concurrently.

SCEN 6040 Anatomy & Physiology II (3)

The second of two sequenced courses intended to address human anatomy and physiology. This course explores the respiratory, cardiovascular, lymphatic and reproductive systems. (Graduate section of SCEN 3040.)

Prerequisite(s): SCEN 6030.

Corequisite(s): SCEN 6045.

SCEN 6045 Anatomy & Physiology Cadaver Lab II (1)

The second of two sequenced laboratory courses that complements SCEN 6040. Systems covered included: autonomic nervous system, special senses, endocrine, cardiovascular, respiratory, digestive, urinary and reproductive systems. Dissection and exploration of human cadavers are an integral component of the laboratory experience. (Graduate section of SCEN 3045.)

Prerequisite(s): SCEN 6035. Corequisite(s): SCEN 6040.

SCEN 6050 Graduate Success and Student Success & Academic Skills Workshop (0)

The Graduate Student Success and Academic Skills course is designed to help graduate students take advantage of available on-campus resources, adjust to new expectations, gain awareness of cultural assumptions, and develop practical techniques for resolving both personal and academic issues. These unique workshops will ensure that students understand what is expected of them and how to build the skills they need to thrive academically during their graduate experience.

SCEN 6052 Career Development and Global Citizenship Workshops (0)

The Career Development & Global Citizenship workshop course is a two-part workshop series designed to help graduate students gain skills they need for their professional career after they complete their studies. The Career Development portion of the workshop will last the first 6 weeks of the semester. The workshop is designed to help graduate students gain awareness of the work culture in the United States, advance professionally, make smart career decisions, and find future career opportunities. The Global Citizenship portion of the workshop will last the remaining 8 weeks of the semester. This course introduces global citizenship as a lens through which students examine various aspects of life in the complex, globalized world of the 21st century, explore the unique challenges of our time and the forces that shape them, and consider how they can take action to improve conditions locally and/or globally. In doing so, it follows the United Nations Educational, Scientific and Cultural Organization (UNESCO), which proposes global citizenship as a way of framing the exploration of global issues and challenges, with the aim of helping students develop the attitudes, knowledge, and skills necessary to secure a more just, peaceful, tolerant, inclusive, secure and sustainable world. Students will learn how cultural and social identity, bias, discrimination, and inequality shape perspectives, including their own, and explore cultural diversity and the challenges of intercultural communication. Students who successfully complete this course receive a Global Citizenship certificate endorsed by the University for Peace, a U.N. Charter institution in Costa Rica.

Prerequisite(s): SCEN 6050.

Maximum Hours: 99



SCEN 6060 Applied Innovation (3)

Given a vetted product that solves a real problem, why do some young projects and companies fail, while others thrive and achieve the commercial or societal impact necessary to make a real difference in the world? This course reviews the foundational aspects of applied scientific and engineering innovation – that is, translation of an idea or concept into a valid application and product – then addresses those rarely taught aspects of development that frequently mean the difference between success or failure in an early stage venture. Topics addressed revolve around opportunity selection and development, leadership of innovative efforts, team development and the daily operational elements necessary to successfully developing and executing a plan. While all students may not become entrepreneurs, most will at some point in their career benefit from a thorough understanding of how to lead and manage teams, and will use the concepts, frameworks and practical tools provided by the course.

SCEN 6080 Tech Invent & Commercialization (3)

Technology Invention; Commercialization; models innovation and entrepreneurial theory; practices from across a range of commercial sizes; from small startup companies to entrepreneurial units within large, established companies. The twin poles of theory and practice are balanced through classroom lectures and experiential training. Weekly lectures furnish students with effective and portable theoretical frameworks for identifying, selecting and executing opportunities for technological innovations in healthcare, energy, water and the environment. In the experiential training, students will apply their classroom learning to targeted, formal innovation and entrepreneurship competitions; including regional and national design contests, technology challenges, and business model competitions. Completion of this course will supply students with intellectual groundwork and practical experience in advancing inventive technological ideas towards commercialization and ultimately public benefit.

SCEN 6660 Special Topics (1-4)

Special Topics. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 6661 Special Topics Lab (0-1) Special Topics. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99

SCEN 6940 Transfer Coursework (0-20)

Transfer coursework at the 6000 level. Departmental approval required.

Maximum Hours: 99

SCEN 6950 Special Projects in SCEN (1-3)

SCEN 7010 Bioinnovation Internship (6)

SCEN 7010 provides 6 credit hours for Bioinnovation PhD Fellows upon completion of their 12-week summer internship with the Food and Drug Administration in Washington, DC.

SCEN 7020 Bioinnovation Research (3)

SCEN 7020 provides 3 credit hours/semester to Bioinnovation fellows. Students in the Bioinnovation PhD Program are eligible to register for this course once they have completed all didactic course requirements.

Maximum Hours: 99

SCEN 7240 College Teaching Pedagogy (3)

The objective of Teaching Pedagogy is to provide a structured learning experience for doctoral students to facilitate their preparation to teach at the collegiate level and to increase their competitiveness on the job market.

SCEN 7500 Intro to Scientific Writing (3)

This course in English Composition is open to all students in PhD programs in the School of Science and Engineering. The course will focus on basic writing skills and skills needed in scientific writing and grant preparation.

SCEN 7650 Advanced Professional Speech for International Students (1)

This course targets graduate students enrolled in SSE to advance their oral academic communication skills. Through the course, students will develop the skill base necessary to: produce research-based conference presentations, instruct in both individualized (office hours) and small group tutoring sessions, instruct large group content-based lectures and execute a high-quality professional interview. Students in this course will also master public speaking and interpersonal communication typical to American institutions of higher learning.



SCEN 7660 Advanced Professional Writing for International Students (3)

In this course, students organize and write complex academic documents that engage expert knowledge in a scholarly manner. Relevant readings and writing exercises will provide the student practice in conducting independent research and incorporating pertinent data into appropriately complex and coherent arguments that are the hallmark of academic discourse. Specifically, students will learn that to write concisely, students will take a piece of writing through multiple drafts in order to eliminate any grammatical errors or stylistic flaws that might undermine the author-audience relationship. They will learn that writing with meaningful complexity means they must incorporate a variety of invention and revision practices. Students will be required to develop and demonstrate an advanced understanding of English syntax, semantics, and mechanics, exploring the process of composing, revising, and editing in English while meeting the expectations of academic writing at the terminal degree level.

SCEN 7940 Transfer Coursework (0-20)

Transfer coursework at the 7000 level. Departmental approval required.

Maximum Hours: 99

SCEN 9990 Dissertation Research (3)

Research toward completion of a doctoral degree. Courses may be repeated up to unlimited credit hours.

Maximum Hours: 99