

Undergraduate Majors

FY 2024

Program	Justification for Reporting
Africana Studies, BA	The bachelor's degree in Africana Studies is an interdisciplinary major dedicated to the study of the experiences of Africa-descended populations worldwide, especially in Africa, North America, the Caribbean, South America, and Europe. Its comprehensive liberal arts curriculum emphasizes culture, history, social policy, health, entrepreneurship, social justice, and social responsibility. The curriculum prepares students for career in the private and public sectors, and offers critical liberal arts education for lifelong personal growth
Anthropology, B.A.	The discipline of Anthropology advances our collective understanding of who we are, where we came from, how we differ from one another, and what those differences mean. Anthropology is rooted in core values of mutual respect, equal rights, freedom of expression, and freedom from discrimination. Earning a Bachelor's Degree in Anthropology prepares students with the research skills and conceptual tools they need to enter any field or profession that benefits from understanding the causes and the range of variation in human experience, activity, identity, and values.
Architecture	A three-year core sequence of courses designed to provide a solid understanding of fundamental issues, knowledge, and skills related to architecture. These courses include a series of coordinated architecture design studios, skill-building seminars, a four-semester sequence of architectural history (three survey courses and one history topic elective), and four courses in building technology (one course in Architectural Materials, two courses in Structures, and one course in Environmental Systems Principles).
Civil Engineering Technology, B.S.E.T.	Years one and two in Civil Engineering Technology emphasize basic mathematics, science, written, and oral communication skills. In addition to introductory courses in environmental technology and structures, students concentrate on fundamentals of engineering technology, surveying, construction materials, methods and estimating, computer-aided drafting (CAD) and drawings for civil and construction engineering projects. Years three and four provide students a greater emphasis on analysis and design with specialized classes in soil mechanics and foundation design, structural analysis, structural design of steel and concrete, water and wastewater systems, and cost estimating and construction management.
Civil Engineering, B.S.C.E.	Civil engineers must balance the need for constructed facilities with the need to protect natural and social environments while safeguarding the health, safety, and welfare of the public.
Construction Management, B.S.C.M.	The first two years of Construction Management emphasize mathematics and science, and written and oral communication skills. Students concentrate on fundamentals of engineering technology, surveying, construction materials, construction methods and estimating, computer-aided drafting (CAD) and drawings for civil and construction engineering projects, and introductory courses in environmental technology and structures. The third and fourth years provide students greater depth of study of civil infrastructure to include foundations and earthwork, elementary structures, building systems, and highway design and construction. In addition, project management areas of study include project scheduling & control, construction contract documents, construction practices, and construction project administration.
Data Science, B.S.	As a program rooted in a four-college partnership, students who complete the major in data science will have the ability to apply theories and technologies to problems in domains across the humanities, social sciences, and sciences. Students will take courses in machine learning, data analysis, statistics, data visualization, and most importantly the ethics surrounding the field of data science.
Earth and Environmental Sciences, B.S.	A Major in Earth and Environmental Sciences leading to a B.S. degree consists of a minimum of 70 hours of required and elective coursework. The degree consists of required Earth Science (ESCI), Geography (GEOG), and Geology (GEOL) courses. The flexibility of the major allows students to specialize in air, water, or land-based science topics using their elective credits. The Earth & Environmental Sciences major provides graduates with a broad understanding of the physical, chemical and biological processes that operate in and on the planet and how direct and indirect methods are used to examine, quantify and understand the structure, composition, and dynamics of the Earth's atmosphere, hydrosphere, biosphere and lithosphere. Graduates appreciate how humans and ecosystems interact with the dynamic Earth, and how human activities such as non-sustainable resource extraction have generated climate change, exacerbated natural hazards, and disrupted hydrologic and biogeochemical cycles

Electrical Engineering Technology, B.S.E.T.	<p>Coursework includes study in the following areas: electrical fundamentals, circuits and circuit design, digital fundamentals, solid state electronics, industrial control, microprocessors, automation, mathematics, computer fundamentals, electromechanical systems and science. In addition, students complete the interdisciplinary William States Lee College of Engineering Senior Design program, which provides the knowledge students need in critical thinking, leadership, interpersonal and communication skills. Graduates of this program can expect to pursue careers in the following industries: Robotics and automated systems, Aerospace, Automotive manufacturing, Medical equipment and technology, Electric power generation and distribution, Sustainable and renewable power, and Instrumentation and data acquisition</p>
Environmental Engineering, B.S.	<p>Students in the B.S. in Environmental Engineering program will have opportunities to assess, analyze, and solve real-world and locally relevant problems. Major areas of study include: Environmental Engineering: Students learn about contamination of soils, water, and the atmosphere. Examples include water treatment, wastewater treatment, hazardous and solid waste and air quality engineering. These pollution prevention and engineering issues are important across the globe, in particular America's largest metropolitan areas like Charlotte. Water Resources Engineering: Students learn and apply engineering approaches to ensure adequate supplies of safe drinking water, and protect citizens from stormwater flooding and hazardous waste contamination. Examples include fluid mechanics/hydraulics, groundwater and surface water hydrology and stormwater control. The curriculum will provide students opportunities to engage with the community and work together to solve the unique problems present in a diverse urban environment as well as the areas within the region that are transitioning from farmland to residential and industrial.</p>
Environmental Studies	<p>The Environmental Studies BA program produces professionals who are knowledgeable in the traditional areas of humanities, social sciences, and natural sciences, and have the skills to understand the origins of environmental problems and develop viable environmental solutions. Environmental Studies students are trained across multiple disciplines involved in environmental problem solving and address the problems of climate change, environmental justice, resource depletion, population growth, public health, and hunger using creative and sustainable approaches.</p>
Geography, B.S.	<p>The Geography program is oriented toward the concepts and methodologies of social science that stress the importance of location. Geography is the study of spatial variation - of how things vary from place to place on the surface of the earth; how places are connected to each other, and the factors that shape how places interact and change over time. Geography is studied at many levels, from the local to the global, and from many perspectives (i.e., social, cultural, political, economic, and environmental). Conceptual treatment of geographic issues deal with urbanization; globalization; migration; sustainability; patterns of land use; transportation systems; the flow of goods, services, and information; business location; planning for the natural and built environment; and human-environmental interaction in both urban and rural settings. Special emphasis is placed on how these factors shape our world, the places where we live and work, and the ways in which we interact. Geographic analysis involves information technology; mapping and statistical analysis; social area analysis; remote sensing and satellite imagery; and especially the use of Geographic Information Systems (GIS). A host of courses prepare students in both the concepts and methods of contemporary spatial analysis.</p>
Geography, BA	<p>Geography is studied at many levels, from the local to the global, and from many perspectives (i.e., social, cultural, political, economic, and environmental). Conceptual treatment of geographic issues deal with urbanization; globalization; migration; sustainability; patterns of land use; transportation systems; the flow of goods, services, and information; business location; planning for the natural and built environment; and human-environmental interaction in both urban and rural settings. Special emphasis is placed on how these factors shape our world, the places where we live and work, and the ways in which we interact.</p>
International Business, B.S.B.A.	<p>The primary objective of the International Business major is to provide an understanding of the importance of a global perspective on the part of business managers. The major provides an integrated framework for the study of the market environment in which international business firms operate and the impact of those environments upon managerial decision making. Possible careers may result in a variety of business and government sectors-either domestically or abroad. It is critical for students to understand how these organizations are impacted by market opportunities, competition, demand for raw materials, low labor costs and government regulations.</p>

Mechanical Engineering Technology, B.S.E.T	<p>Mechanical Engineering Technology includes technical and mechanical drawing, computer-aided design, machine design, manufacturing and machine processes, fluid power systems, statics and strength of materials, mechanisms, stress analysis, instrumentation and controls, thermodynamic systems, energy, heat transfer, dynamics, methods analysis, and engineering economics. The first two years in the Mechanical Engineering Technology program emphasize engineering technology fundamentals. Students concentrate on mathematics, science, written and oral communication skills, and mechanical specialization classes including computer aided drafting, statics, mechanisms, manufacturing processes and engineering materials. The third and fourth years emphasize design and analysis with advanced classes in heat transfer, thermodynamics, fluid mechanics, strength of materials, machine design, and instrumentation.</p>
Meteorology, B.S.	<p>The primary goal of the Bachelor of Science in Meteorology is to advance our understanding of the atmospheric processes that influence weather and climate. This pursuit inherently involves an interdisciplinary approach through the combination of advanced coursework in mathematics, chemistry, physics, statistics, computer science, geology, earth sciences, and meteorology with emphasis on recent basic and applied research. The program is designed to provide the next generation of meteorologists with sufficient knowledge and skills to: (1) effectively monitor and analyze the atmospheric state across a spectrum of temporal and geospatial scales; (2) provide accurate and timely forecasts of ordinary and severe weather; and (3) address relevant contemporary challenges such as global and region climate change, human interactions with the natural environment, and the development of resilient and sustainable communities. To this end, the core meteorological curriculum is composed of courses that collectively provide a broad treatment of multi-scale atmospheric processes, including atmospheric thermodynamics and physics as well as synoptic, dynamic, and mesoscale meteorology.</p>
Public Health, B.S.P.H.	<p>Public health is the science and art of promoting health, preventing disease and injury, and prolonging life through organized efforts of society. Public health activities focus on entire populations rather than on individual patients, and public health professionals monitor and diagnose the health concerns of entire communities and promote healthy practices and behaviors to assure our populations stay healthy. The Bachelor of Science in Public Health (BSPH) prepares students through didactic and practice experiences to apply core principles of public health education within a variety of community settings and to advance the public health profession. The BSPH program seeks to fulfill the Department of Public Health Science's vision: "Healthy communities partnered with responsive population health systems." To support the department's mission, "Advancing health equity and well-being in an urbanizing world," the BSPH program develops leaders in evidence-based practice who advance the public's health. The program values collaboration, community engagement, diversity, innovation, professionalism, health equity, and social justice in its pursuit of attaining the highest possible standards of health and well-being. The BSPH program is designed to prepare scholar-practitioners with knowledge and skills in the core concepts of public health, including health behavior, research and statistics in health, environmental health, epidemiology, and health administration, as well as in the planning, evaluation, organization, and conduct of community and public health services.</p>
Social Work, B.S.W.	<p>Social work is a profession devoted to helping people function as effectively as possible within their environment, be it a context such as a family, a group, an organization such as a job, or a community. The UNC Charlotte BSW Program is accredited by the Council on Social Work Education, the accrediting body for social work education programs. The BSW degree prepares students for generalist social work practice with individuals, families, groups, organizations, and communities. Generalist practice relates to utilizing multiple types of interventions that would be useful for different types of social systems and client populations. BSW graduates provide services such as assessment and intervention, counseling, crisis intervention, referral, mediation, and advocacy with diverse populations across all age groups. BSW graduates work in a broad array of settings including: hospitals; group homes; mental health, substance abuse, child welfare, youth and family service agencies; nursing homes; and schools. The degree is centered in professional social work values and ethics within an increasingly global environment and is designed to affirm the human rights of diverse groups of people, especially populations-at-risk and groups which have historically been oppressed due to race, ethnicity, socioeconomic status, gender, sexual orientation, age, and ability.</p>

Undergraduate Minors and Concentrations

FY 2024

Program	Justification for Reporting
Concentrations	
Africana Studies, Health and Environment Concentration, B.A.	Students may, if desired, complete a Concentration in Health and Environment as part of the B.A. in Africana Studies. The concentration focuses on the cultural, social, ethical, psychological, historical, and policy dimensions of the pertinent health and environmental issues in the global Africana World.
Africana Studies, Popular Culture and Digital Media Concentration, B.A.	Students may, if desired, complete a Concentration in Popular Culture and Digital Media as part of the B.A. in Africana Studies. The concentration focuses on the cultural, social, ethical, psychological, historical, and policy dimensions of the pertinent popular culture and digital media issues in the global Africana World.
Africana Studies, Social Justice and the Law Concentration, B.A.	Students may, if desired, complete a Concentration in Social Justice and the Law as part of the B.A. in Africana Studies. The concentration focuses on the cultural, social, ethical, psychological, historical, and policy dimensions of the pertinent social justice and legal issues in the global Africana World.
Anthropology, Applied Anthropology Concentration, B.A.	The Concentration in Applied Anthropology is designed to equip anthropology majors with the skills needed for a career in applied anthropology, an area with growing employment opportunities. Applied anthropologists work in educational institutions, museums, zoos, health care organizations, non-profits, the business world, and elsewhere. Preparation for a career in applied anthropology involves developing a special set of job skills, in addition to a breadth of anthropological knowledge. Students who pursue a Concentration in Applied Anthropology complete coursework that will help them develop these skills.
Civil Engineering, Energy Infrastructure Concentration, B.S.C.E.	The Bachelor of Science in Civil Engineering (B.S.C.E.) with a Concentration in Energy Infrastructure requires a minimum of 120 credit hours. The Concentration in Energy Infrastructure is intended for students interested in a specialized focus in energy as it relates to civil engineering, infrastructure, and environmental issues related to the development, generation, and distribution of energy.
Civil Engineering Technology, Applied Energy and Sustainable Systems Concentration, B.S.E.T.	Civil Engineering Technology includes computer-aided drafting (CAD); structures (analysis, design of structural steel and reinforced concrete); construction (cost estimating, construction planning and administration); transportation (surveying, highway design and construction); water resources (hydraulics, hydrology, and environmental); and geotechnical (soil mechanics, foundations and earthwork).
Civil Engineering, Land Development Engineering Concentration, B.S.C.E.	The Bachelor of Science in Civil Engineering (B.S.C.E.) with a Concentration in Land Development Engineering is intended for students interested in a specialized focus in land development engineering as it relates to civil engineering and infrastructure issues.
Communication Studies, Health Communication Concentration, B.A.	The Health Communication concentration examines the role of communication in understanding, promoting, and maintaining health. Emphasis is placed on the social construction of health, structural and social determinants of health, patient-provider communication, communication in healthcare organizations, interpersonal and family communication about health, mental health, gender, spirituality, disability, and aging.

<p>Communication Studies, Media & Technology Studies Concentration, B.A.</p>	<p>The Media & Technology Studies concentration is designed for students interested in the development and critical analysis of different forms of media and technologies as a social, cultural, political and economic force. Contemporary issues explored may include: technologies in the urban context, privacy and surveillance, media and mobility, data and society, digital identity, digital health & culture, digital feminism, political economy of media, media law, media policy, media ethics, global media. Throughout these courses, students develop skills in critical engagement with media as well as some experiences of multimodal writing and production.</p>
<p>Communication Studies, Rhetoric, Culture, and Social Change Concentration, B.A.</p>	<p>The Rhetoric, Culture, and Social Change concentration is designed for those students desiring a well-developed background in the use, theory, construction, and analysis of public messages. The course of study provides training in individual public communication skills and provides a foundation for the analysis and evaluation of advocacy discourse</p>
<p>Construction Management, Applied Energy and Sustainable Systems Concentration, B.S.C.M.</p>	<p>Students concentrate on fundamentals of engineering technology, surveying, construction materials, construction methods and estimating, computer-aided drafting (CAD) and drawings for civil and construction engineering projects, and introductory courses in environmental technology and structures.</p>
<p>Finance, Real Estate Concentration, B.S.B.A.</p>	<p>The B.S.B.A. in Finance with Concentration in Real Estate provides students with fundamental knowledge and skills to analyze and negotiate commercial real estate. The curriculum incorporates concepts such as architecture, economics, finance, and geography to highlight the collaborative nature of the real estate industry. Students will find careers in property management, asset management, urban planning, and land development, as well as related areas such as finance, and investments. The Belk College of Business faculty members incorporate theory and real world application to allow students to address trends and issues within the industry.</p>
<p>Fire and Safety Engineering Technology, Occupational Safety Concentration, B.S.E.T.</p>	<p>The Occupational Safety concentration is intended for students who are interested in the identification and solution of complex safety and environmental challenges. This multi-disciplinary program introduces areas encompassing construction/ built environment, electrical, mechanical, physical and natural sciences, and mathematics, in addition to providing a solid foundation in construction safety, industrial hazards and electricity, environmental pollution control, safety management, accident prevention, safety law and compliance, industrial hygiene, fire prevention and protection, and applied ergonomics and human factors. Quantitative and computer skills are heavily emphasized throughout the program and an experiential capstone experience (internship, co-op, or a supervised directed project) is required. Students completing the requirements identified for this concentration will receive a special designation on their transcripts showing they have completed the Occupational Safety concentration.</p>
<p>Interdisciplinary Studies, Capitalism Studies Concentration, B.A.</p>	<p>Capitalism Studies is an interdisciplinary approach to the study of the history and present-day workings of the modern global economy. The purpose of the Concentration in Capitalism Studies is to encourage students to gain a broad, well-rounded understanding of business, labor, government, and economics, by considering those subjects from multiple disciplines, across the social sciences and humanities. By demanding an interdisciplinary perspective, the minor requires students to combine quantitative and qualitative analysis; it encourages not only numeracy and financial literacy, but also historical, institutional, ethical, and cultural perspectives. It is designed to prepare students to work in a wide range of occupations in business, government, and the non-profit sector, and for the obligations of state, national, and global citizenship, in the twenty-first century.</p>

International Studies Concentration in Development & Sustainability	<p>Draws upon the faculty and courses of the Department of Global Studies, as well as a number of other departments, and is structured to give students skills and knowledge to understand and analyze societies outside the United States in the context of the rapidly changing and increasingly interdependent world. International Studies is of particular value to those with career objectives in government, law, journalism, teaching, business, trade, or military service. It also serves those who will seek employment with international organizations such as the United Nations or with non-governmental agencies with an international or cross-cultural focus.</p>
Interdisciplinary Studies, Gerontology Concentration	<p>Gerontology deals with the process of aging. Students of gerontology study not only the physiological and sensory changes that occur with aging, but also the social roles and expectations, stereotypes, and unique social and economic issues which define the aging experience in society. An understanding of the biological, physiological and sociocultural aspects of aging is necessary not only for people working with older adults but also for the majority of us who will be old someday. The study of gerontology contributes to preparing for our own aging, as well as understanding aging parents and our aging population.</p>
Interdisciplinary Studies, Health & Medical Humanities Concentration, B.A.	<p>The Health & Medical Humanities concentration in the IDST major engages students in the humanistic and cultural study of illness, health, healthcare, and the body. This program is also intended to enhance personal reflection, critical thinking skills, and the ability to understand the personal, social, historical, and cultural contexts of health, illness, and medical care. Health & Medical Humanities is supported by faculty across the College of Humanities & Earth and Social Sciences, including Africana Studies, Anthropology, Communication Studies, Criminal Justice and Criminology, English, History, Philosophy, Political Science, and Sociology.</p>
Interdisciplinary Studies, Women's and Gender Studies Concentration, B.A.	<p>The Women's and Gender Studies Program at UNC Charlotte explores the ways that gender influences social structures and individual experiences around the world. We view gender as a category of analysis that includes women, men, transgender, and gender-nonconforming individuals. Using a feminist perspective, the program seeks to understand the cultural, political, and historical processes that gender human identity and society. In our research, teaching, programming, and service we explore gender as it intersects with multiple categories, such as race, ethnicity, social class, age, ability, nationality, and sexuality. Recognizing that gender varies widely over time and space, the program emphasizes a comparative and interdisciplinary approach, with faculty employing a wide range of theoretical and methodological approaches</p>
International Studies, Asian Studies Concentration, B.A.	<p>International Studies is an interdisciplinary program within the Department of Global, International & Area Studies of the College of Humanities & Earth and Social Sciences. It is designed to enable students to understand societies outside the United States in the context of an increasingly interdependent world. By integrating courses that address an array of issues and challenges affecting people across the globe, International Studies provides students with multiple viewpoints and perspectives. It also offers opportunities for an international experience and for advanced study of a foreign language.</p>

<p><u>International Studies, Development and Sustainability Concentration, B.A.</u></p>	<p>The department's mission is to promote multidisciplinary research and to offer outreach services to the community while providing students with the knowledge and requisite skills necessary for them to participate effectively as citizens of the world. As such, curricula are designed to give students a broad appreciation of the economic, geo-political, and socio-cultural foundations of a rapidly changing global system while offering them the opportunity to become especially familiar with critical issues of a global nature – peace and conflict, development and sustainability, comparative genocide and human rights – affecting regions across the globe. Advanced foreign language competency is also emphasized to enhance student research and communication. Finally, students are encouraged to acquire direct international experience through participation in study abroad or some other relevant activity. This is intended to broaden their appreciation of the distinctiveness of other environments and cultures while augmenting their preparation for future study or work of an international nature.</p>
<p><u>International Studies, European Studies Concentration, B.A.</u></p>	<p>The department's mission is to promote multidisciplinary research and to offer outreach services to the community while providing students with the knowledge and requisite skills necessary for them to participate effectively as citizens of the world. As such, curricula are designed to give students a broad appreciation of the economic, geo-political, and socio-cultural foundations of a rapidly changing global system while offering them the opportunity to become especially familiar with critical issues of a global nature – peace and conflict, development and sustainability, comparative genocide and human rights – affecting regions across the globe. Advanced foreign language competency is also emphasized to enhance student research and communication. Finally, students are encouraged to acquire direct international experience through participation in study abroad or some other relevant activity. This is intended to broaden their appreciation of the distinctiveness of other environments and cultures while augmenting their preparation for future study or work of an international nature.</p>
<p><u>International Studies, Holocaust, Genocide, and Human Rights Concentration, B.A.</u></p>	<p>The department's mission is to promote multidisciplinary research and to offer outreach services to the community while providing students with the knowledge and requisite skills necessary for them to participate effectively as citizens of the world. As such, curricula are designed to give students a broad appreciation of the economic, geo-political, and socio-cultural foundations of a rapidly changing global system while offering them the opportunity to become especially familiar with critical issues of a global nature – peace and conflict, development and sustainability, comparative genocide and human rights – affecting regions across the globe. Advanced foreign language competency is also emphasized to enhance student research and communication. Finally, students are encouraged to acquire direct international experience through participation in study abroad or some other relevant activity. This is intended to broaden their appreciation of the distinctiveness of other environments and cultures while augmenting their preparation for future study or work of an international nature.</p>

International Studies, Peace, Conflict, and Identity Concentration, B.A.	<p>The department's mission is to promote multidisciplinary research and to offer outreach services to the community while providing students with the knowledge and requisite skills necessary for them to participate effectively as citizens of the world. As such, curricula are designed to give students a broad appreciation of the economic, geo-political, and socio-cultural foundations of a rapidly changing global system while offering them the opportunity to become especially familiar with critical issues of a global nature – peace and conflict, development and sustainability, comparative genocide and human rights – affecting regions across the globe. Advanced foreign language competency is also emphasized to enhance student research and communication. Finally, students are encouraged to acquire direct international experience through participation in study abroad or some other relevant activity. This is intended to broaden their appreciation of the distinctiveness of other environments and cultures while augmenting their preparation for future study or work of an international nature.</p>
Marketing, Marketing Concentration, B.S.B.A.	<p>The mission of the Department of Marketing at UNC Charlotte is to provide an intellectually challenging educational program that will develop marketing and other business students as ethical and competent managers and leaders; to conduct and publish research that will contribute significantly to knowledge and understanding of marketing; and to reach out to the community and region through continuing education, applied research, service, and consulting activities. This concentration is designed for students with an interest in "strategic and behavioral" marketing.</p>
Mechanical Engineering, Energy Engineering Concentration, B.S.M.E.	<p>The B.S.M.E. with a Concentration in Energy Engineering program is intended for students interested in specialized and systematic training and education in the area of power generation. Students completing the requirements described in this program receive a special designation on their transcripts showing that they have completed the Concentration in Energy Engineering.</p>
Political Science, Security and Intelligence Studies Concentration, B.A.	<p>The B.A. in Political Science with Concentration in Security and Intelligence Studies encourages students to gain a broad, well-rounded understanding of the ethics, processes, priorities, and outcomes of national security policy, with a focus on the role of information and intelligence in the policymaking process. The concentration is designed to prepare students to work in a wide range of occupations in the government, private, non-profit sectors that deal with national security broadly understood, and for the obligations of state, national, and global citizenship in the 21st century.</p>
Minors	
Africana Studies, Minor	<p>Its comprehensive liberal arts curriculum emphasizes culture, history, social policy, health, entrepreneurship, social justice, and social responsibility. The curriculum prepares students for career in the private and public sectors, and offers critical liberal arts education for lifelong personal growth. Our students are challenged to become critical thinkers who can connect their classroom scholarly activity to their everyday experiences.</p>
American Studies, Minor	<p>American Studies is an interdisciplinary program designed to develop in-depth knowledge of American society, past and present. Drawing its curriculum from approved courses in other departments and its own core courses, the program weaves traditionally divergent disciplines together so that students gain a broad understanding of American life and culture. The Minor in American Studies is open to students of all majors. Students may complete the program by fulfilling requirements for the minor.</p>

Anthropology, Minor	<p>The Anthropology Department at UNC Charlotte is dedicated to a holistic, four-field approach for understanding the experience and value of human diversity across time, space, and social groups. Our department is committed to using anthropology to understand our human species and help solve contemporary problems to make life better for humans in many different locales. We emphasize the applicability of anthropological theories and methods for non-academic settings like non-profit organizations, businesses, and government.</p>
Applied Understandings in Global Education, Minor	<p>The Minor in Applied Understandings in Global Education is designed for candidates seeking a Major in Elementary, Middle Grades, Secondary, or Special Education who wish to prepare K-12 students to be effective and responsible citizens in a global society. The minor is focused upon providing candidates with opportunities to gain knowledge of the world, engage in problem solving and critical thinking around significant global issues, and develop skills in viewing events and issues from diverse global perspectives.</p>
Art History, Minor	<p>We celebrate the unique role that art and design play in historical and contemporary societies, and foster globally informed engagement with visual culture. The Department of Art and Art History is dedicated to effecting change through critical thinking, creative practice, and leadership in art education, art history, design, and studio art. Our vision is to strengthen our connection with local, national, and international audiences and to expand interdisciplinary inquiry in our scholarly practice and teaching. We contribute to local, national and international dialog through exhibitions, lectures, publications, and other forms of research and outreach. By promoting critical thinking, we empower our students with the analytical and adaptive skills necessary to negotiate and contribute to increasingly complex and cosmopolitan visual world.</p>
Bioinformatics and Genomics, Minor	<p>Designed to introduce students to the collection, informatics analysis and interpretation of data derived from genomic and biological macromolecular investigations, the Minor in Bioinformatics and Genomics provides students with a foundation of understanding and the computing skill necessary to communicate in the increasingly data-centric life sciences. In addition to gaining first-hand experience with current technologies for high-throughput data generation, students will receive training in up-to-date methods for data handling and interpretation while developing an understanding of critical issues in bioinformatics research design, statistical data analysis, and the application of genomics domain knowledge.</p>
Capitalism Studies, Minor	<p>Capitalism Studies is an interdisciplinary approach to the study of the history and present-day workings of the modern global economy. The purpose of the Minor in Capitalism Studies is to encourage students to gain a broad, well-rounded understanding of business, labor, government, and economics, by considering those subjects from multiple disciplines, across the social sciences and humanities. By demanding an interdisciplinary perspective, the minor requires students to combine quantitative and qualitative analysis; it encourages not only numeracy and financial literacy, but also historical, institutional, ethical, and cultural perspectives. It is designed to prepare students to work in a wide range of occupations in business, government, and the non-profit sector, and for the obligations of state, national, and global citizenship, in the 21st century.</p>
Child and Family Development, Minor	<p>The Minor in Child and Family Development provides opportunities for students to develop an overview of early learning and development, an understanding of early childhood issues, and insights into the role of families, as well as the role of child care in out-of-home experiences.</p>

Classical Studies, Minor	<p>The Minor in Classical Studies focuses a student's interest in ancient Mediterranean history and provides a foundation for advanced work in other academic disciplines as well as professional programs in law, medicine, and finance. The minor gives students an opportunity to develop a keener perception and better understanding of the cultural forces at work in the contemporary world. By presenting a broad selection of courses in the various disciplines of literature, philosophy, and history, the minor provides students with a sound overview of Western antiquity.</p>
Communication Studies, Minor	<p>The Communication Studies discipline focuses on the theoretical, critical, and scientific study of how humans communicate with one another in all of its forms. Our undergraduate program provides students with an examination of communication theory, practices and processes in a variety of contexts, from interpersonal, group, organizational, public and electronically mediated communication.</p>
Criminal Justice, Minor	<p>Criminology is the study of the etiology and nature of crime and delinquency, and theoretical explanations conceived to explain these behaviors. Criminal Justice is the study of agencies' responses to criminal and delinquent behavior, the relationship among these agencies, and policies that impact the process through which justice is administered.</p>
Diverse Literatures and Cultural Studies, Minor	<p>The Minor in Diverse Literatures and Cultural Studies provides students with an opportunity to study literatures and cultures in more contexts and forms of diversity. Students explore the ways in which the academic study of diverse literatures and cultures is linked to other disciplines that focus on particular aspects of diversity. Students may select from a wide range of courses in African American Literature and Culture, Africana Studies, American Indian Literature and Culture, Anthropology, Latino/Latina Literature and Culture, Women's and Gender Studies, and History.</p>
Earth and Environmental Sciences, Minor	<p>Earth & Environmental Sciences provides an overview of how science affects our environment, focusing on interactions between the solid Earth, its water, its air, and its living organisms, and on dynamic, interdependent relationships between these four components. Earth and environmental scientists also consider how these relationships produce environmental change at different timescales. To do this, they combine knowledge, models and methods drawn from geology, biology, physics and chemistry.</p>
Economics, Minor	<p>Students study ways to allocate scarce resources (like land, labor, and capital) to the production of goods and services, and explore the growth of the world's economies, tax policies, energy costs, inflation, unemployment, labor unions, tariffs, and international trade.</p>
Film Studies, Minor	<p>The interdisciplinary Minor in Film Studies is designed to allow students to develop knowledge of film and video as an art form while fulfilling the requirements for one of the approved degree programs at the University. The Film Studies Minor offers courses that focus directly or implicitly on cinema. The program is designed for students who wish to understand film better as an art form, as popular culture, and as a major medium of communication. The courses that satisfy the minor represent different aspects of film and video art: (1) Culture, (2) History, (3) Theory, and (4) Production.</p>

Francophone Studies, Minor	<p>The Minor in Francophone Studies allows students interested in topics related to the French-speaking world the opportunity to acquire a basic level of cultural competency by taking courses taught in English and offered across a range of disciplines; including, but not limited to: Africana Studies, Film, History, Latin American Studies, Languages and Culture Studies, Philosophy, and Women's Studies. In addition to fostering critical thinking and other transferable skills, the broad base of knowledge about Francophone-related topics that students acquire in this minor positions them to work for companies and agencies that serve the growing Francophone population in our region and worldwide. Career possibilities include: 1) the foreign service, the military, and other governmental agencies; 2) non-governmental organizations with an emphasis on international or cross-cultural orientations; and 3) international business.</p>
Geography, Minor	<p>Participating students have flexibility in choosing elective courses that reflect their specific area of interest. The Minor in Geography can be tailored to support a number of majors, such as: architecture, business, computer science, engineering, and political science. Geographers study how humans interact with the environment, often using digital technologies, and solve problems in order to build a more sustainable world.</p>
Gerontology, Minor	<p>The Minor in Gerontology is built around a core sequence of interdisciplinary and multidisciplinary courses that are taught from a variety of different academic disciplines. This approach is designed to bring together information from multidisciplinary sources, integrate theoretical and applied concepts in gerontology, and communicate to students the need for an integrated approach to meeting the needs of older persons. A Minor in Gerontology can be useful in combination with a broad range of majors. With the aging population growing rapidly in the U.S. and globally, there are consequences that translate into diverse career options. Projections indicate opportunities in city planning, administration, management, recreation, counseling, physical therapy, social work, program development, research, long-term care administration, and healthcare, for example.</p>
Health & Medical Humanities, Minor	<p>Health & Medical Humanities is an interdisciplinary field that uses humanistic perspectives to understand health and healthcare. The humanities have the potential to teach us about the embodied human experience, including suffering, healing, well-being, and flourishing. The Minor in Health & Medical Humanities complements the movement toward primary and patient-centered care in healthcare and provides an interdisciplinary approach to understanding the effects of health, wellness, and illness on patients, health professionals, and on the social worlds in which they live and work. The program explores the experience of illness, mortality, fragility, health, and healthcare settings through literature, the arts, and the social sciences. The minor supports the University's health and medical-related programs by offering a cross-disciplinary approach that promises to enhance observation, empathy, communication, cultural understanding, human compassion and sensitivity, and creativity, among future healthcare providers. In short, the minor immerses students in the human side of medicine and health and leads to greater enhanced interpersonal relationships between patients and practitioners. The minor supports the concept of "person-centered medicine," and thus leads to an enhanced appreciation of the personhood and inherent humanness of patients and clients. The minor also intends to enhance personal reflection, critical thinking skills, and the understanding of health, illness, and medical care's personal, social, historical, and cultural contexts.</p>
Holocaust, Genocide, and Human Rights Studies, Mi	<p>The interdisciplinary Minor in Holocaust, Genocide, and Human Rights Studies (HGHR) consists of a minimum of 18 credit hours, including a 3-hour introductory course and 15 hours divided among subjects in Holocaust Studies and subjects in Genocide and Human Rights Studies. Students must take at least two courses from each subject area.</p>

Humanities, Technology, and Science, Minor	<p>The interdisciplinary Minor in Humanities, Technology, and Science examines the interrelationships among three of the major dimensions of our culture: its science, its technology, and its humanistic orientation.</p>
International Management, Minor	<p>The Minor in International Management is designed to provide students who have an interest in global business with an opportunity to enhance their knowledge of international management. Topic areas include the international business environment, including economic trends, politics, and cultural variations and norms; managerial issues, including all functions of a typical multinational enterprise such as organization, production, marketing, human resources, political risk assessment, and negotiation; and international finance. The Minor in International Management offers students a competitive advantage in career opportunities across a broad spectrum of business and government sectors both domestically and globally</p>
International Studies, Minor	<p>It is designed to enable students to understand societies outside the United States in the context of an increasingly interdependent world. By integrating courses that address an array of issues and challenges affecting people across the globe, International Studies provides students with multiple viewpoints and perspectives.</p>
Latin American Studies, Minor	<p>The Latin American Studies program is dedicated to the study of the history, societies, and cultures of Latin America, Latino/a/x populations in the United States, and the Hispanic and Francophone Caribbean. Our program utilizes a holistic approach that examines the regions of Latin America from different disciplines such as history, anthropology, political science, language and cultural studies. Understand economic development and underdevelopment from a comparative perspective. Gain insight into interdisciplinary work in the humanities and social sciences from a variety of methodological perspectives.</p>
Legal Studies, Minor	<p>Legal Studies is an interdisciplinary approach to the study of law and society and business. The Minor in Legal Studies enhances a liberal arts education across traditional disciplines, focusing on the theory and operation of law and legal institutions. The courses in the Minor in Legal Studies expose students to the many facets of law as a social phenomenon - its evolution, function, motivating ideas, and effects. In addition to fostering critical thinking and other transferable skills, the broad base of knowledge about law-related topics that students acquire in this minor better positions them for employment in governmental and nonprofit agencies, as well as business, in which legal knowledge is beneficial.</p>
Mechanical Engineering, Minor	<p>Mechanical Engineering Technology includes technical and mechanical drawing, computer-aided design, machine design, manufacturing and machine processes, fluid power systems, statics and strength of materials, mechanisms, stress analysis, instrumentation and controls, thermodynamic systems, energy, heat transfer, dynamics, methods analysis, and engineering economics. The first two years in the Mechanical Engineering Technology program emphasize engineering technology fundamentals. Students concentrate on mathematics, science, written and oral communication skills, and mechanical specialization classes including computer aided drafting, statics, mechanisms, manufacturing processes and engineering materials. The third and fourth years emphasize design and analysis with advanced classes in heat transfer, thermodynamics, fluid mechanics, strength of materials, machine design, and instrumentation.</p>

Military Science, Minor	<p>The Minor in Military Science is open to all UNC Charlotte students, regardless if they are willing to contract with the United States Army. A Minor in Military Science provides expertise in leadership, ethics, professionalism, briefing techniques, national security issues, American history, team-building, and military law, as well as written and oral communication skills. The minor provides students with an opportunity to study leadership in a contemporary operational environment with a focus on military involvement in political decisions, while also recognizing that the academic study of Military Science is intrinsically linked to political and international relations with focus on particular aspects of leadership. In addition to taking courses in Military Science, students participating in this minor would select a course pertaining to military history-related topics that impact the social, economic, and political environment.</p>
Operations and Supply Chain Management, Minor	<p>The minor offers graduates a competitive advantage in terms of the types of positions for which they qualify. The Minor in OSCM is directed not only at UNC Charlotte students majoring in business but also those majoring in other Colleges. The benefits of a minor in OSCM include increased marketability in the public and private sector and the ability to leverage one's major discipline with a solid understanding of one business area, increased analytical thinking, problem-solving ability, and an understanding of internal and external environments of service and business organizations. These areas examine the production function of an organization at a strategic level, as well as the plant and shop floor level. Areas included in the OSCM program include operations strategy, process analysis, product design, quality management, logistics management, procurement, supply chain management, project management, and waiting line management as well as analytical techniques such as optimization and simulation.</p>
Philosophy, Minor	<p>Our primary focus is on the interdisciplinary nature of philosophy and how it applies to such subjects as science, literature, art and information technology, among others. We also focus on contemporary issues in biomedical, business, environmental and professional ethics through our Center for Professional and Applied Ethics.</p>
Public Health, Minor	<p>The Minor in Public Health supports students interested in health-related careers or those seeking a health dimension within other career choices. Students in the minor come from biological, social, and behavioral sciences, as well as from health-related academic majors. The minor extends students' working knowledge of health applications that prepares them to be competitive in the job market and to make advanced degree choices.</p>
Religious Studies, Minor	<p>Despite significant differences in subject matter, students learn to read texts of all sorts carefully. Similarly, whether it is a course on Religious Art and Architecture in India or a course on Religion in America, students are learning to think carefully about historical and cultural contexts. Although the Department's faculty specializes in a wide range of disparate subject matter, we share a set of approaches for working in our areas of expertise.</p>
Secondary Education, Minor	<p>The Minor in Secondary Education prepares excellent and reflective teacher candidates in the fields of English, Mathematics, Comprehensive Science, and Comprehensive Social Studies to successfully utilize 21st century knowledge, skills, and dispositions for addressing the demands of an ever-changing global and ethnically diverse society, community, and classroom while implementing effective, research-based content pedagogy to meet the individual cognitive and emotional needs of all students, and systematic and reflective analysis of connections between practice and student learning.</p>

Security and Intelligence Studies, Minor	<p>Security and Intelligence Studies is an interdisciplinary approach to the study of national security policy. The Minor in Security and Intelligence Studies encourages students to gain a broad, well-rounded understanding of the ethics, processes, priorities, and outcomes of national security policy, with a focus on the role of information and intelligence in the policymaking process. The minor's interdisciplinary approach enables students to select courses across a wide range of disciplines. It is designed to prepare students to work in a wide range of occupations in the government, private, non-profit sectors that deal with national security broadly understood, and for the obligations of state, national, and global citizenship in the 21st century.</p>
Sociology, Minor	<p>It focuses upon the forces that organize and structure societies and smaller groups, as well as the forces that disorganize and threaten to dissolve them. As a science, sociology applies an objective and systematic method of investigation to identify the patterns and forms of social life and to understand the processes by which they are established and changed.</p>
Southern Studies, Minor	<p>Southern Studies is an interdisciplinary approach to the study of the diverse constellation of topics and ideas relating to the American South. The Minor in Southern Studies provides undergraduate students the opportunity to explore the region from historical, cultural, geographical, literary, political, and artistic perspectives, among others. Students gain knowledge and experience in critical thinking, writing, and reading, along with increased cultural awareness, through exposure to the many academic fields that anchor the study of the South.</p>
Urban Studies, Minor	<p>Urban Studies is an interdisciplinary program that prepares students to better understand and be able to effectively address, as both professionals and citizens, the many challenges presented by the rapid pace of urban change in the 21st century. Coursework in urban history, sociology, and anthropology introduces students to theory development and evaluation and builds skills of critical thinking and analysis. Coursework in architecture, political science, and geography additionally emphasizes the ways in which urban practitioners identify and work to solve urban problems and challenges.</p>
Urban Youth and Communities, Minor	<p>The Minor in Urban Youth and Communities is an interdisciplinary program focused on civic engagement and service learning designed to prepare UNC Charlotte students to become informed and engaged citizens by providing opportunities to be agents of change in their community. The minor is open to all majors who seek to explore the strengths, capabilities, and issues of youth and communities in urban settings. Elective courses are concentrated in the areas of Urban Youth and Education, Communities, and Social Justice.</p>
Women's and Gender Studies, Minor	<p>The goal of the Minor in Women's and Gender Studies is to develop students' understanding of the ways gender has shaped lived experience in the past, present, and around the world. As such, it complements a wide variety of majors. The knowledge and skills that Women's and Gender Studies minors develop help them find employment in business, healthcare, education, government, and the non-profit sector.</p>

[Writing, Rhetoric, and Digital Studies, Minor](#)

Using print and digital technologies to create, design, and produce texts now requires new ways of thinking about writing as a concept and practice. As an interdisciplinary examination and application of rhetoric and writing technologies, the Minor in Writing, Rhetoric, and Digital Studies prepares students to read, analyze, and compose. These skills serve across academic, workplace, and public spheres. The interactive courses are designed to improve reading, critical thinking, argumentation, narrative, and problem-solving abilities. Students learn to evaluate the implications of print, digital, and social media compositions in both local and global contexts. As a result, students are able to navigate known, new, and emerging writing situations and media. Students learn how to be flexible composers who can apply rhetorical strategies and digital skills to their current environments, as well as adapt emerging technologies to new contexts.