

# Undergraduate

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The NC State Wolfpack is an ever-growing community of inventors, creators, and scholars. As a community, we not only think about how to make the world better, we also take action and make it happen. We're quick, curious, and creative - and we want you to join us!

If you're considering joining the NC State Wolfpack, the Undergraduate Catalog is a valuable resource to help introduce you to our university. Start exploring with the links in the sidebar. You can find information on admission requirements (<http://catalog.ncsu.edu/about/admission-enrollment/admission/undergraduate-admission/>), degrees offered, and academic policies (<http://catalog.ncsu.edu/undergraduate/academic-policies-procedures/>) relevant to your career as a student. You'll also find a wealth of information on the numerous services NC State offers to students. See how NC State can help you put your ideas into action!

## Majors

### A

- Accounting (BS) (<http://catalog.ncsu.edu/undergraduate/management/accounting/accounting-bs/>)
- Aerospace Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/mechanical-aerospace/aerospace-engineering-bs/>)
- Agribusiness Management (AAS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/agribusiness-management-aas/>)
- Agricultural Business Management (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-business-management-bs/>)
- Agricultural Business Management (BS): Biological Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-business-management-bs-biological-sciences-concentration/>)
- Agricultural Education (BS): Agricultural Business Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-agricultural-business-concentration/>)
- Agricultural Education (BS): Agricultural Engineering Technology Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-agricultural-engineering-technology-concentration/>)
- Agricultural Education (BS): Agronomy Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-agronomy-concentration/>)
- Agricultural Education (BS): Animal Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-animal-science-concentration/>)
- Agricultural Education (BS): Horticultural Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-horticultural-science-concentration/>)
- Agricultural Education (BS): Natural Resources Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-natural-resources-concentration/>)
- Agricultural Education (BS): Poultry Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-education-bs-poultry-science-concentration/>)
- Agricultural Science (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-science-bs/>)
- Agroecology & Sustainable Food Systems (BS): Agroecology Research & Production Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/agroecology-sustainable-food-systems-bs-agroecology-research-production-concentration/>)
- Agroecology & Sustainable Food Systems (BS): Community Food Systems Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/agroecology-sustainable-food-systems-bs-community-food-systems-concentration/>)
- Agroecology & Sustainable Food Systems (BS): Urban Horticulture Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/agroecology-sustainable-food-systems-bs-urban-horticulture-concentration/>)
- Animal Science (BS): Industry Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/animal-science-bs-industry-concentration/>)
- Animal Science (BS): Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/animal-science-bs-science-concentration/>)
- Animal Science (BS): Veterinary Bioscience Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/animal-science-bs-veterinary-bioscience-concentration/>)
- Anthropology (BA): General Anthropology Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/anthropology-ba-general-anthropology-concentration/>)
- Applied Education Studies (BS) (<http://catalog.ncsu.edu/undergraduate/education/teacher-education-learning-sciences/education-general-studies-bs/>)
- Applied Education Studies (BS): Learning Design and Technology (<http://catalog.ncsu.edu/undergraduate/education/teacher-education-learning-sciences/education-general-studies-bs/applied-education-studies-ldt/>)
- Applied Mathematics (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/mathematics/applied-mathematics-bs/>)
- Applied Mathematics (BS): Financial Mathematics Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/mathematics/applied-mathematics-bs-financial-mathematics-concentration/>)
- Architecture (Bachelor): One-Year Professional Degree (<http://catalog.ncsu.edu/undergraduate/design/architecture/architecture-bachelor/>)
- Art and Design (Bachelor) (<http://catalog.ncsu.edu/undergraduate/design/art-design/art-design-bachelor/>)
- Arts Studies (BA): Film Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/arts-studies-program/arts-studies-ba-film-studies-concentration/>)
- Arts Studies (BA): Music Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/arts-studies-program/arts-studies-ba-music-concentration/>)

- Arts Studies (BA): Theater Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/arts-studies-program/arts-studies-ba-theater-concentration/>)
- Arts Studies (BA): Visual Arts Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/arts-studies-program/arts-studies-ba-visual-arts-concentration/>)

## B

- Biochemistry (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/molecular-structural-biochemistry/biochemistry-bs/>)
- Biological and Agricultural Engineering Technology (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-technology-bs/>)
- Biological and Agricultural Engineering Technology (BS): Agricultural Systems Management Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-technology-bs-agricultural-systems-management-concentration/>)
- Biological and Agricultural Engineering Technology (BS): Environmental Systems Management Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-technology-bs-environmental-systems-management-concentration/>)
- Biological Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-engineering-bs/>)
- Biological Engineering (BS): Agricultural Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-engineering-bs-agricultural-engineering-concentration/>)
- Biological Engineering (BS): Bioprocessing Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-engineering-bs-bioprocessing-engineering-concentration/>)
- Biological Engineering (BS): Ecological Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-engineering-bs-ecological-engineering-concentration/>)
- Biological Engineering (BS): Environmental Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/biological-engineering-bs-environmental-engineering-concentration/>)
- Biological Sciences (BA) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-ba/>)
- Biological Sciences (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-bs/>)
- Biological Sciences (BS): Ecology, Evolution and Conservation Biology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-bs-ecology-evolution-conservation-biology-concentration/>)
- Biological Sciences (BS): Human Biology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-bs-human-biology-concentration/>)
- Biological Sciences (BS): Integrative Physiology and Neurobiology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-bs-integrative-physiology-neurobiology-concentration/>)

- Biological Sciences (BS): Molecular, Cellular, and Developmental Biology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-bs-molecular-cellular-developmental-biology-concentration/>)
- Biomedical Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/biomedical/biomedical-engineering-bs/>)
- Bioprocessing Science (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/bioprocessing-science-bs/>)
- Business Administration (BS) (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs/>)
- Business Administration (BS): Business Analytics Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-business-analytics-concentration/>)
- Business Administration (BS): Entrepreneurship Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-entrepreneurship-concentration/>)
- Business Administration (BS): Finance Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-finance-concentration/>)
- Business Administration (BS): Human Resources Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-human-resources-concentration/>)
- Business Administration (BS): Information Technology Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-information-technology-concentration/>)
- Business Administration (BS): Marketing Concentration (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-marketing-concentration/>)
- Business Administration (BS): Operations/Supply Chain Management (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-operations-supply-chain-management/>)
- Business Administration (BS): Undeclared (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-bs-undeclared/>)

## C

- Chemical Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs/>)
- Chemical Engineering (BS): Biomanufacturing Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs-biomanufacturing-sciences-concentration/>)
- Chemical Engineering (BS): Biomolecular Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs-biomolecular-concentration/>)
- Chemical Engineering (BS): CHE/TE Dual Major (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs-textile-dual-major/>)
- Chemical Engineering (BS): Honors Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs-honors-concentration/>)
- Chemical Engineering (BS): Nanoscience Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-bs-nanoscience-concentration/>)
- Chemical Engineering (BS): Sustainable Engineering, Energy, and the Environment (<http://catalog.ncsu.edu/undergraduate/engineering/>)

chemical-biomolecular/chemical-engineering-bs-sustainable-engineering-energy-environment/)

- Chemistry (BA) (<http://catalog.ncsu.edu/undergraduate/sciences/chemistry/chemistry-ba/>)
- Chemistry (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/chemistry/chemistry-bs/>)
- Civil Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/civil-construction-environmental/civil-engineering-bs/>)
- Communication (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/communication/communication-ba/>)
- Computer Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/electrical-computer/computer-engineering-bs/>)
- Computer Science (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/computer-science-bs/>)
- Computer Science (BS): Artificial Intelligence Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/artificial-intelligence-concentration/>)
- Computer Science (BS): Cybersecurity Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/computer-science-bs-cybersecurity-concentration/>)
- Computer Science (BS): Game Development Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/computer-science-bs-game-development-concentration/>)
- Construction Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/civil-construction-environmental/construction-engineering-bs/>)
- Criminology (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/criminology-ba/>)
- Crop and Soil Sciences (BS): Agronomy (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/crop-soil-sciences-bs-agronomy/>)
- Crop and Soil Sciences (BS): Crop Biotechnology (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/crop-soil-sciences-bs-crop-biotechnology-semester/>)
- Crop and Soil Sciences (BS): Soil Science (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/crop-soil-sciences-bs-soil-science/>)
- Crop and Soil Sciences (BS): Turfgrass Science (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/turfgrass-science-bs/>)

## D

- Department of Agricultural and Human Sciences (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/>)
- Design Studies (BA) (<http://catalog.ncsu.edu/undergraduate/design/art-design/design-studies-ba/>)
- Design Studies (BA): Business Administration Concentration (<http://catalog.ncsu.edu/undergraduate/design/art-design/design-studies-ba-business-administration-concentration/>)
- Design Studies (BA): Nonprofit Studies Concentration (<http://catalog.ncsu.edu/undergraduate/design/art-design/design-studies-ba-nonprofit-studies-concentration/>)

## E

- Economics (BA) (<http://catalog.ncsu.edu/undergraduate/management/economics/economics-ba/>)

- Economics (BS) (<http://catalog.ncsu.edu/undergraduate/management/economics/economics-bs/>)
- Electrical Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/electrical-computer/electrical-engineering-bs/>)
- Electrical Engineering (BS): Renewable Electric Energy Systems Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/electrical-computer/electrical-engineering-bs-renewable-electric-energy-systems-concentration/>)
- Elementary Education (BS): Science, Technology, Engineering, and Mathematics Concentration (<http://catalog.ncsu.edu/undergraduate/education/teacher-education-learning-sciences/elementary-education-bs-science-technology-engineering-mathematics-concentration/>)
- Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-bs/>)
- Engineering (BS): Electrical Engineering Systems Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-havelock/engineering-bs-electrical-engineering-systems-concentration/>)
- Engineering (BS): Mechanical Engineering Systems Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-havelock/engineering-bs-mechanical-engineering-systems-concentration/>)
- Engineering (BS): Mechatronics Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-bs-mechatronics-concentration/>)
- Engineering (BS): Nuclear Power Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-bs-nuclear-power-concentration/>)
- Engineering First Year (<http://catalog.ncsu.edu/undergraduate/engineering/firstyear/>)
- English (BA): Creative Writing Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-creative-writing-concentration/>)
- English (BA): Film Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-film-concentration/>)
- English (BA): Linguistics Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-linguistics-concentration/>)
- English (BA): Literature Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-literature-concentration/>)
- English (BA): Rhetoric and Professional Writing Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-language-writing-rhetoric-concentration/>)
- English (BA): Teacher Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-ba-teacher-education-concentration/>)
- Environmental Design in Architecture (Bachelor) (<http://catalog.ncsu.edu/undergraduate/design/architecture/environmental-design-architecture-bachelor/>)
- Environmental Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/civil-construction-environmental/environmental-engineering-bs/>)
- Environmental First Year Program (<http://catalog.ncsu.edu/undergraduate/sciences/environmental-first-year-program/>)

- Environmental First Year Program (<http://catalog.ncsu.edu/undergraduate/natural-resources/environmental-first-year-program/>)
- Environmental Sciences (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/environmental-sciences-bs/>)
- Environmental Technology and Management (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/environmental-technology-management-bs/>)
- Exploratory Studies (<http://catalog.ncsu.edu/undergraduate/university-college/university-advising-exploratory-studies/exploratory-studies/>)

## F

- Fashion and Textile Design (BS): Fashion Design Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-apparel-technology-management/fashion-textile-design-bs-fashion-design-concentration/>)
- Fashion and Textile Design (BS): Textile Design Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-apparel-technology-management/fashion-textile-design-bs-textile-design-concentration/>)
- Fashion and Textile Management (BS): Brand Management and Marketing Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-apparel-technology-management/fashion-textile-management-bs-brand-management-marketing-concentration/>)
- Fashion and Textile Management (BS): Fashion Development and Product Management Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-apparel-technology-management/fashion-textile-management-bs-fashion-development-product-management-concentration/>)
- Field Crops Technology (AAS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/field-crops-technology-aas/>)
- Fisheries, Wildlife, and Conservation Biology (BS): Conservation Biology Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/fisheries-wildlife-conservation-biology-bs-conservation-biology-concentration/>)
- Fisheries, Wildlife, and Conservation Biology (BS): Fisheries Science Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/fisheries-wildlife-conservation-biology-bs-fisheries-science-concentration/>)
- Fisheries, Wildlife, and Conservation Biology (BS): Wildlife Science Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/fisheries-wildlife-conservation-biology-bs-wildlife-science-concentration/>)
- Food Science (BS): Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-science-concentration/>)
- Food Science (BS): Technology Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-technology-concentration/>)
- Forest Management (BS): Ecology Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/forest-management-bs-ecology-concentration/>)
- Forest Management (BS): Production Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/forest-management-bs-production-concentration/>)

environmental-resources/forest-management-bs-production-concentration/)

## G

- General Agriculture (AAS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/general-agriculture-aas/>)
- Genetics (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/genetics-bs/>)
- Geology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-bs/>)
- Graphic & Experience Design (Bachelor) (<http://catalog.ncsu.edu/undergraduate/design/graphic-industrial-design/graphic-design-bachelor/>)

## H

- History (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/history/history-ba/>)
- History (BA): Legal History Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/history/history-ba-legal-history-concentration/>)
- History (BA): Teacher Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/history/history-ba-teacher-education-concentration/>)
- History (BS) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/history/history-bs/>)
- Horticultural Science (BS): Landscape Design, Gardens & Urban Environments Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/horticultural-science-bs-landscape-design-gardens-urban-environments-concentration/>)
- Horticultural Science (BS): Plant Breeding and Biotechnology in Horticulture Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/horticultural-science-bs-plant-breeding-biotechnology-horticulture-concentration/>)
- Horticultural Science (BS): Production Systems and Entrepreneurship in Horticulture Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/horticultural-science-bs-production-systems-entrepreneurship-horticulture-concentration/>)
- Horticultural Science Management (AAS): Ornamentals and Landscape Technology Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/horticultural-science-management-aas-ornamentals-landscape-technology-concentration/>)
- Horticultural Science Management (AAS): Small Scale Farming Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/horticultural-science-management-aas-small-scale-farming-concentration/>)

## I

- Industrial Design (Bachelor) (<http://catalog.ncsu.edu/undergraduate/design/graphic-industrial-design/industrial-design-bachelor/>)
- Industrial Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/industrial-systems/industrial-engineering-bs/>)
- Inter-College Transfer (<http://catalog.ncsu.edu/undergraduate/university-college/university-advising-exploratory-studies/inter-college-transfer/>)
- Interdisciplinary Studies (BA): Africana Studies Community Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary-studies/africana-studies-community-studies-concentration/>)

social-sciences/interdisciplinary/africana-studies-program/africana-studies-ba-community-studies-concentration/)

- Interdisciplinary Studies (BA): Africana Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/africana-studies-program/africana-studies-ba/>)
- Interdisciplinary Studies (BA): Self Design Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/interdisciplinary-studies/interdisciplinary-studies-ba-self-design-concentration/>)
- Interdisciplinary Studies (BA): Women's, Gender and Sexuality Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/womens-gender-studies-program/womens-gender-studies-ba/>)
- Interdisciplinary Studies (BS): Self Design Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/interdisciplinary-studies/interdisciplinary-studies-bs/>)
- Interdisciplinary Studies (BS): Women's, Gender and Sexuality Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/womens-gender-studies-program/womens-gender-studies-bs/>)
- International Studies (BA): Africa Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-africa-concentration/>)
- International Studies (BA): East and Southeast Asia Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-east-southeast-asia-concentration/>)
- International Studies (BA): Europe Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-europe-concentration/>)
- International Studies (BA): Global Cultural Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-global-cultural-studies/>)
- International Studies (BA): Global Relations Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-global-relations/>)
- International Studies (BA): Global Sustainability and Development Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-global-sustainability-development/>)
- International Studies (BA): Latin America Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-latin-america-concentration/>)
- International Studies (BA): South Asia and Middle East Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-ba-south-asia-middle-east-concentration/>)

## L

- Leadership in the Public Sector (BA): Distance Education (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/leadership-public-sector-ba-de/>)

- Life Sciences First Year (<http://catalog.ncsu.edu/undergraduate/sciences/life-sciences-first-year/>)
- Life Sciences First Year (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/life-sciences-first-year/>)
- Livestock and Poultry Management (AAS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/livestock-poultry-management-aas/>)

## M

- Marine Sciences (BS): Biological Oceanography Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-biological-oceanography-concentration/>)
- Marine Sciences (BS): Chemistry Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-chemistry-concentration/>)
- Marine Sciences (BS): Geology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-geology-concentration/>)
- Marine Sciences (BS): Meteorology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-meteorology-concentration/>)
- Marine Sciences (BS): Physics Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-physics-concentration/>)
- Materials Science and Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-bs/>)
- Materials Science and Engineering (BS): Biomaterials Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-bs-biomaterials-concentration/>)
- Materials Science and Engineering (BS): Nanomaterials Concentration (<http://catalog.ncsu.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-bs-nanomaterials-concentration/>)
- Mathematics (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/mathematics/mathematics-bs/>)
- Mathematics Education (BS) and Mathematics (BS) (Double Major) (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-mathematics-bs-double-major/>)
- Mathematics Education (BS) and Statistics (BS) (Double Major) (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-statistics-bs-double-major/>)
- Mathematics Education (BS): Computer Specialization (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-computer-specialization/>)
- Mathematics Education (BS): Mathematics Specialization (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-mathematics-specialization/>)
- Mathematics Education (BS): Middle Grades Mathematics Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-middle-grades-mathematics-concentration/>)
- Mathematics Education (BS): Statistics Specialization (<http://catalog.ncsu.edu/undergraduate/education/stem/mathematics-education-bs-statistics-specialization/>)

- Mechanical Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/mechanical-aerospace/mechanical-engineering-bs/>)
- Meteorology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs/>)
- Meteorology (BS): Marine Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs-marine-sciences-concentration/>)
- Microbiology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-bs/>)
- Microbiology (BS): Microbial Biotechnology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-bs-microbial-biotechnology/>)
- Microbiology (BS): Microbial Health Science Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-bs-microbial-health-science/>)
- Microbiology (BS): Microbial Research Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-bs-microbial-research/>)
- Middle Grades Education (BS): English Language Arts and Social Studies Concentration (<http://catalog.ncsu.edu/undergraduate/education/teacher-education-learning-sciences/middle-grades-education-bs-language-arts-social-studies-concentration/>)
- Middle Grades Education (BS): Mathematics and Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/middle-grades-education-bs-mathematics-sciences-concentration/>)
- Music Technology (BS): Electronics & Circuits Concentration (<http://catalog.ncsu.edu/undergraduate/university-college/music/music-technology-electronics-and-circuits/>)
- Music Technology (BS): Software & Digital Hardware (<http://catalog.ncsu.edu/undergraduate/university-college/music/music-technology-software-and-digital-hardware/>)

## N

- Natural Resources (BS): Ecosystem Assessment Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/natural-resources-bs-ecosystem-assessment-concentration/>)
- Natural Resources (BS): Marine and Coastal Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/natural-resources-bs-marine-coastal-concentration/>)
- Natural Resources (BS): Policy and Administration Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/natural-resources-bs-policy-administration-concentration/>)
- Natural Resources (BS): Soil, Water and Land Use Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/natural-resources-bs-soil-water-land-use-concentration/>)
- Nuclear Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/engineering/nuclear/nuclear-engineering-bs/>)
- Nutrition Sciences (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-sciences-bs/>)
- Nutrition Sciences (BS): Applied Nutrition Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-sciences-bs-applied-nutrition-concentration/>)

bioprocessing-nutrition-science/nutrition-sciences-bs-applied-nutrition-concentration/)

## P

- Paper Science and Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/paper-science-engineering-bs/>)
- Paper Science and Engineering (BS): Dual Major (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/paper-science-engineering-bs-dual-major/>)
- Parks, Recreation and Tourism Management (BS): Recreation and Park Management Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-management-bs-parks-natural-resource-recreation-concentration/>)
- Parks, Recreation, and Tourism Management (BS): Tourism and Event Management Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-management-bs-sustainable-tourism-concentration/>)
- Philosophy (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-ba/>)
- Philosophy (BA): Ethics Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-ba-philosophy-ethics-concentration/>)
- Philosophy (BA): Philosophy and Law Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-ba-philosophy-law-concentration/>)
- Philosophy (BS) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-bs/>)
- Philosophy (BS): Logic, Representation and Reasoning Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-bs-logic-representation-reasoning-concentration/>)
- Physics (BA) (<http://catalog.ncsu.edu/undergraduate/sciences/physics/physics-ba/>)
- Physics (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/physics/physics-bs/>)
- Physics (BS): Interdisciplinary Physics Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/physics/physics-bs-interdisciplinary/>)
- Plant Biology (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/plant-microbial-biology/plant-biology-bs/>)
- Political Science (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-ba/>)
- Political Science (BA): American Politics Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-ba-american-politics-concentration/>)
- Political Science (BA): International Politics Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-ba-international-politics-concentration/>)
- Political Science (BA): Law and Justice Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-ba-law-justice-concentration/>)
- Political Science (BA): Public Policy Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-ba-public-policy-concentration/>)

- Political Science (BS) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-bs/>)
- Polymer and Color Chemistry (BS): ACS Certification Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-acs-certification-concentration/>)
- Polymer and Color Chemistry (BS): Medical Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-medical-sciences-concentration/>)
- Polymer and Color Chemistry (BS): Science & Operations Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-science-operations-concentration/>)
- Poultry Science (BS): Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/poultry-science/poultry-science-bs-science-concentration/>)
- Poultry Science (BS): Technology Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/poultry-science/poultry-science-bs-technology-concentration/>)
- Professional Golf Management (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/professional-golf-management-bs/>)
- Psychology (BA): General Psychology Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/psychology/psychology-ba-general-psychology-concentration/>)

## R

- Religious Studies (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/religious-studies-ba/>)

## S

- Science Education (BS): Biology Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/science-education-bs-biology-concentration/>)
- Science Education (BS): Chemistry Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/science-education-bs-chemistry-concentration/>)
- Science Education (BS): Earth and Environmental Science Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/science-education-bs-earth-science-concentration/>)
- Science Education (BS): Middle Grades Science Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/science-education-bs-middle-grades-science-concentration/>)
- Science Education (BS): Physics Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/science-education-bs-physics-concentration/>)
- Science, Technology and Society (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/science-technology-society-program/science-technology-society-ba/>)
- Science, Technology and Society (BS) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/science-technology-society-program/science-technology-society-bs/>)
- Social Work (Bachelor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/social-work/social-work-bachelor/>)
- Sociology (BA) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/sociology-ba/>)

- Sociology (BS) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/sociology-bs/>)
- Sport Management (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/sport-management-bs/>)
- Sport Management (BS): Professional Golf Management Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/sport-management-bs-professional-golf-management/>)
- Statistics (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/statistics/statistics-bs/>)
- Sustainable Materials and Technology (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-bs/>)
- Sustainable Materials and Technology (BS): SMT Wood Products Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-bs-smt-wood-products-concentration/>)

## T

- Technology, Engineering and Design Education (BS): Graphic Communication Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/technology-engineering-design-education-bs-graphic-communication-concentration/>)
- Technology, Engineering and Design Education (BS): Licensure Concentration (<http://catalog.ncsu.edu/undergraduate/education/stem/technology-engineering-design-education-bs-licensure-concentration/>)
- Textile Engineering (BS): Chemical Processing Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-chemical-processing-concentration/>)
- Textile Engineering (BS): Information Systems Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-information-systems-concentration/>)
- Textile Engineering (BS): Product Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-product-engineering-concentration/>)
- Textile Technology (BS) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs/>)
- Textile Technology (BS): Medical Textiles Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-medical-textiles-concentration/>)
- Textile Technology (BS): Supply Chain Operations Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-supply-chain-operations-concentration/>)
- Textile Technology (BS): Technical Textiles Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-technical-textiles-concentration/>)
- Turfgrass Management (AAS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/turfgrass-management-aas/>)

**W**

- World Languages and Cultures (BA): Arabic Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-arabic-language-culture-concentration/>)
- World Languages and Cultures (BA): Asian Language Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-asian-language-concentration/>)
- World Languages and Cultures (BA): Chinese Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-foreign-language-chinese-education-concentration/>)
- World Languages and Cultures (BA): French Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-foreign-language-french-education-concentration/>)
- World Languages and Cultures (BA): French Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-french-studies-concentration/>)
- World Languages and Cultures (BA): German Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-foreign-language-german-education-concentration/>)
- World Languages and Cultures (BA): German Studies Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-german-studies-concentration/>)
- World Languages and Cultures (BA): German Studies International Economics Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-german-studies-international-economics-concentration/>)
- World Languages and Cultures (BA): German Studies Science and Technology Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-german-studies-science-technology-concentration/>)
- World Languages and Cultures (BA): Spanish Education Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-foreign-language-spanish-education-concentration/>)
- World Languages and Cultures (BA): Spanish Language and Literature Concentration (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/foreign-languages-literatures-ba-spanish-language-literature-concentration/>)

**Z**

- Zoology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/zoology-bs/>)

**Minors**

A Minor is an optional academic program that a student may pursue while a currently enrolled undergraduate student.

**A**

- Accounting (Minor) (<http://catalog.ncsu.edu/undergraduate/management/accounting/accounting-minor/>)
- Africana Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/africana-studies-program/africana-studies-minor/>)
- Agricultural Business Management (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-business-management-minor/>)
- Agricultural Entrepreneurship (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-entrepreneurship-minor/>)
- Agroecology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/agroecology-minor/>)
- American Literature (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/american-literature-minor/>)
- Animal Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/animal-science-minor/>)
- Anthropology (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/anthropology-minor/>)
- Applied Ecology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/applied-ecology/applied-ecology-minor/>)
- Art and Design (Minor) (<http://catalog.ncsu.edu/undergraduate/design/art-design/art-design-minor/>)
- Arts Entrepreneurship (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/music/arts-entrepreneurship-minor/>)
- Arts Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/arts-studies-program/arts-studies-minor/>)

**B**

- Biological and Agricultural Engineering Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/agricultural-environmental-technology-minor/>)
- Biological Sciences (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/biological-sciences-minor/>)
- Biomanufacturing (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/biomanufacturing-minor/>)
- Biotechnology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/plant-microbial-biology/biotechnology-minor/>)
- Brewing Science and Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/brewing-science-technology-minor/>)
- Business Administration (Minor) (<http://catalog.ncsu.edu/undergraduate/management/business/business-administration-minor/>)
- Business Entrepreneurship (Minor) (<http://catalog.ncsu.edu/undergraduate/management/business/business-entrepreneurship-minor/>)
- Business Entrepreneurship (Minor) (<http://catalog.ncsu.edu/undergraduate/management/mie/business-entrepreneurship-minor/>)



**C**

- Chemical Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/chemical-engineering-minor/>)
- Chinese Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/chinese-studies-minor/>)
- Classical Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/classical-studies-minor/>)
- Coaching Education (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/health-exercise-studies/coaching-education-minor/>)
- Cognitive Science (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/cognitive-science-minor/>)
- Computer Programming (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/computer-programming-minor/>)
- Creative Writing (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/creative-writing-minor/>)
- Criminology (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/criminology-minor/>)
- Crop Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/crop-science-minor/>)

**D**

- Dance Performance and Choreography (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/music/dance-minor/>)
- Dance Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/music/dance-studies-minor/>)
- Data Science in Business (Minor) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/data-science-business-minor/>)
- Data Science with Graphic and Experience Design (Minor) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/data-science-graphic-experience-design-minor/>)

**E**

- Economics (Minor) (<http://catalog.ncsu.edu/undergraduate/management/economics/economics-minor/>)
- Engineering Education (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/engineering-education-minor/>)
- English (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/english-minor/>)
- Entomology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/entomology-minor/>)
- Environmental Education (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/environmental-education-minor/>)
- Environmental Sciences (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/environmental-sciences-minor/>)
- Environmental Technology and Management (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/environmental-technology-management-minor/>)

environmental-resources/environmental-technology-management-minor/)

- Ethics (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/ethics-minor/>)
- Evolutionary Biology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/evolutionary-biology-minor/>)
- Extension Education (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/extension-education-minor/>)

**F**

- Feed Milling (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/poultry-science/feed-milling-minor/>)
- Film Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/film-studies-minor/>)
- Food Safety and Quality (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-safety-quality-minor/>)
- Food Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-minor/>)
- Forensic Science (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/forensic-science-minor/>)
- Forest Management (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/forest-management-minor/>)
- French (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/french-minor/>)

**G**

- Genetics (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/genetics-minor/>)
- Geology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-minor/>)
- German (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/german-minor/>)
- Global Leadership and Team Decision-Making (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/global-leadership-team-decision-making-minor/>)
- Global One Health (Minor) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/global-one-health-minor/>)
- Graphic Communications (Minor) (<http://catalog.ncsu.edu/undergraduate/education/stem/graphic-communications-minor/>)

**H**

- Health (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/health-exercise-studies/health-minor/>)
- Health Physics (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/nuclear/health-physics-minor/>)
- Health, Medicine and Human Values (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/health-medicine-human-values-minor/>)
- Hindi-Urdu (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/hindi-urdu-minor/>)
- History (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/history/history-minor/>)

- Horticultural Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/horticultural-science-minor/>)

**I**

- Industrial Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/industrial-systems/industrial-engineering-minor/>)
- International Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/international-studies-program/international-studies-minor/>)
- Italian Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/italian-studies-minor/>)

**J**

- Japan Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/japan-studies-minor/>)
- Japanese (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/japanese-minor/>)
- Jewish Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/jewish-studies-minor/>)
- Journalism (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/journalism-minor/>)

**L**

- Landscape Architecture (Minor) (<http://catalog.ncsu.edu/undergraduate/design/landscape-architecture/landscape-architecture-minor/>)
- Law and Justice (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/law-justice-minor/>)
- Leadership in Agriculture and Life Sciences (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/leadership-agriculture-life-sciences-minor/>)
- Leadership: Cross Disciplinary Perspectives (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/leadership-cross-disciplinary-perspectives-minor/>)
- Linguistics (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/linguistics-minor/>)
- Logic and Methodology (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/logic-methodology-minor/>)

**M**

- Marine Science (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-science-minor/>)
- Materials Science and Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-minor/>)
- Mathematical Data Science (Minor) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/mathematical-data-science-minor/>)
- Mathematics (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/mathematics/mathematics-minor/>)
- Meteorology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-minor/>)
- Microbiology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-minor/>)

- Middle East Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/middle-east-studies-minor/>)
- Military Science (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/army-rotc/military-studies-science-minor/>)
- Military Studies: Aerospace Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/air-force-rotc/military-studies-aerospace-minor/>)
- Military Studies: Naval Science (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/navy-rotc/military-studies-naval-science-minor/>)
- Music Performance (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/music/music-minor-performance/>)
- Music Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/music/music-minor/>)

**N**

- Nano-Science and Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/nano-science-technology-minor/>)
- Native American Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/native-american-studies-minor/>)
- Nonprofit Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/nonprofit-studies-minor/>)
- Nonwovens (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/nonwovens-minor/>)
- Nuclear Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/nuclear/nuclear-engineering-minor/>)
- Nutrition (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-minor/>)

**O**

- Outdoor Leadership (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/health-exercise-studies/outdoor-leadership-minor/>)

**P**

- Paleontology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/paleontology-minor/>)
- Parks, Recreation, and Tourism Management (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-management-minor/>)
- Philosophy (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/philosophy-minor/>)
- Physics (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/physics/physics-minor/>)
- Plant Biology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/plant-microbial-biology/plant-biology-minor/>)
- Political Science (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/political-science-minor/>)
- Polymer and Color Chemistry (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-minor/>)
- Polymer Science (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-science-minor/>)

- Portuguese Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/portuguese-studies-minor/>)
- Poultry Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/poultry-science/poultry-science-minor/>)
- Psychology (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/psychology/psychology-minor/>)
- Pulp and Paper Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/pulp-paper-technology-minor/>)

## R

- Religious Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/philosophy-religious-studies/religious-studies-minor/>)
- Renewable Energy Assessment (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/renewable-energy-assessment-minor/>)
- Rhetoric, Writing, and Professional Communication (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/rhetoric-writing-professional-communication-minor/>)
- Russian Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/russian-studies-minor/>)

## S

- Science Communication (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/communication/science-communication-minor/>)
- Science, Technology, and Society (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/science-technology-society-program/science-technology-society-minor/>)
- Social Work (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/social-work/social-work-minor/>)
- Sociology (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/sociology-anthropology/sociology-minor/>)
- Soil Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/soil-science-minor/>)
- Spanish (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/spanish-minor/>)
- Sports Science (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/health-exercise-studies/sports-science-minor/>)
- Statistics (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/statistics/statistics-minor/>)
- Supply Chain Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/industrial-systems/supply-chain-engineering-minor/>)
- Sustainable Materials and Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-minor/>)

## T

- Teaching English as a Foreign Language (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/teaching-english-foreign-language-minor/>)

- Teamwork in Interdisciplinary Biomedical Research (Minor) (<http://catalog.ncsu.edu/undergraduate/university-college/Teamwork-in-interdisciplinary-biomedical-research-minor/>)
- Technology, Engineering and Design Education (Minor) (<http://catalog.ncsu.edu/undergraduate/education/stem/technology-engineering-design-education-minor/>)
- Textile Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-minor/>)
- Tissue Engineering (Minor) (<http://catalog.ncsu.edu/undergraduate/engineering/biomedical/tissue-engineering-minor/>)
- Toxicology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/toxicology-minor/>)
- Turfgrass (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/turfgrass-minor/>)

## W

- Wetland Assessment (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/wetland-assessment-minor/>)
- Wildlife Sciences (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/wildlife-sciences-minor/>)
- Women's, Gender and Sexuality Studies (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/womens-gender-studies-program/womens-gender-studies-minor/>)
- World Cultural Literacy (Minor) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/world-literature-minor/>)

## Z

- Zoology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/zoology-minor/>)

## Certificates

### A

- Advanced Critical and Creative Thinking (Certificate) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/interdisciplinary/advanced-critical-creative-thinking-certificate/>)
- Agribusiness Management (Certificate) (Distance Education) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/agribusiness-management-certificate-distance-education/>)
- Agricultural Business Management (Certificate) (For Post-Baccalaureate Students, Distance Education) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-business-management-certificate-post-baccalaureate-students-distance-education/>)
- Agricultural Business Management (Certificate) (Non Post-Baccalaureate Students, Distance Education) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-resource-economics/agricultural-business-management-certificate-distance-education/>)
- Agricultural Leadership (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-human-sciences/agricultural-leadership-certificate/>)

- Animal Nutrition (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/animal-nutrition-certificate/>)
- Arabic (Certificate) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/arabic-certificate/>)

**B**

- Biomanufacturing (Certificate) (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/biomanufacturing-certificate/>)
- Biomanufacturing (Certificate) (For Post-Baccalaureate Students) (<http://catalog.ncsu.edu/undergraduate/engineering/chemical-biomolecular/biomanufacturing-certificate-post-baccalaureate/>)

**C**

- Computer Programming (Certificate) (For Post-Baccalaureate Students, Distance Education) (<http://catalog.ncsu.edu/undergraduate/engineering/computer-science/computer-programming-certificate-distance-education/>)
- Crop Science (Certificate) (Distance Education) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/crop-science-certificate-distance-education/>)

**D**

- Data Science in Business (Certificate) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/undergrad-cert-data-science-business/>)
- Data Science with Graphic and Experience Design (Certificate) (<http://catalog.ncsu.edu/undergraduate/interdisciplinary/data-science-graphic-experience-design-cert/>)

**E**

- Essentials of Business (Certificate) (<http://catalog.ncsu.edu/undergraduate/management/essentials-business-certificate/>)

**F**

- Feed Milling (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/poultry-science/feed-milling-certificate/>)
- Field Botany (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/plant-microbial-biology/field-botany-certificate/>)
- Food Safety & Quality Management (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-safety-quality-management-certificate/>)
- French (Certificate) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/french-certificate/>)
- Fundamentals of Entomology (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/fundamentals-entomology-certificate/>)

**G**

- German (Certificate) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/world-languages-cultures/german-certificate/>)

- Global Perspectives (Certificate) (<http://catalog.ncsu.edu/undergraduate/university-college/global-perspectives-certificate/>)

**H**

- Horticulture (Undergraduate Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/horticultural-science/horticulture-undergraduate-certificate/>)

**I**

- Interdisciplinary Entrepreneurship (Certificate) (<http://catalog.ncsu.edu/undergraduate/university-college/interdisciplinary-entrepreneurship-certificate/>)

**L**

- Leadership in the Public Sector (Certificate) (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/political-science/leadership-public-sector-certificate/>)

**M**

- Microbiology (Certificate) (<http://catalog.ncsu.edu/undergraduate/sciences/biological-sciences/microbiology-certificate/>)

**P**

- Plant Pests, Pathogens, and People (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/plant-pests-pathogens-people-certificate/>)

**R**

- Regulatory Science in Agriculture (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/ag-regulatory-science-certificate/>)
- Renewable Energy Assessment (Certificate) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forestry-environmental-resources/renewable-energy-assessment-certificate/>)

**S**

- Soil Science (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/crop-soil-sciences/soil-science-certificate/>)
- Swine Science (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/animal-science/swine-science-certificate/>)

**U**

- U.S. Culture and Cooperative Education (Certificate) (GTC) (<http://catalog.ncsu.edu/undergraduate/education/us-culture-cooperative-education-certificate/>)
- U.S. Culture and Education (Certificate) (GTE) (<http://catalog.ncsu.edu/undergraduate/education/us-culture-education-certificate/>)
- Undergraduate Certificate in Professional Writing (<http://catalog.ncsu.edu/undergraduate/humanities-social-sciences/english/professional-writing-certificate/>)