

# Graduate

Graduate instruction was first offered at North Carolina State University in 1893, and the first doctoral degree was conferred in 1926. In the ensuing years, the Graduate School has grown steadily and now provides instruction and facilities for advanced study and research in the fields of agriculture and life sciences, design, education, engineering, natural resources, humanities and social sciences, management, physical and mathematical sciences, textiles and veterinary medicine.

The Graduate School is currently composed of more than 2,400 graduate faculty members. Educated at major universities throughout the world and established both in advanced teaching and research, these scholars guide the University's more than 7,000 master's and doctoral students from all areas of the U.S. and many other countries. The faculty and students have available exceptional facilities, including libraries, laboratories, modern equipment and special research areas.

Additionally, a cooperative agreement exists among the Graduate Schools of the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, Duke University, and North Carolina State University which increases the educational and research possibilities associated with each institution.

The Graduate Catalog contains Graduate School requirements and pertinent information for individual graduate programs, a current list of graduate faculty, and a selection of other resources for new students. The Catalog is informational only and is subject to change. Official policies and procedures are in the Graduate Handbook (<http://catalog.ncsu.edu/graduate/graduate-handbook/>) and on the NC State Policies, Rules, and Regulations (<https://policies.ncsu.edu/>) web site.

## Programs and Degrees

### #

- 5G Technology (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/5g-technologies-certificate/>)

### A

- Accounting (<http://catalog.ncsu.edu/graduate/management/accounting/>)
- Accounting (MR) (<http://catalog.ncsu.edu/graduate/management/accounting/accounting-mr/>)
- Adult and Community College Education (<http://catalog.ncsu.edu/graduate/education/adult-community-college-education/>)
- Adult and Community College Education (MEd) (<http://catalog.ncsu.edu/graduate/education/adult-community-college-education/adult-community-college-education-med/>)
- Adult and Community College Education (MS) (<http://catalog.ncsu.edu/graduate/education/adult-community-college-education/adult-community-college-education-ms/>)
- Advanced Architectural Studies (MR) (<http://catalog.ncsu.edu/graduate/design/architecture/advanced-architectural-studies-mr/>)
- Aerospace Engineering (<http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/>)
- Aerospace Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-minor/>)
- Aerospace Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-ms/>)
- Aerospace Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-phd/>)
- Agricultural and Extension Education (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-extension-education/agricultural-extension-education-certificate/>)
- Agricultural Education and Human Sciences (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/>)
- Agricultural Education and Human Sciences (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/agricultural-education-human-sciences-minor/>)
- Agricultural Education and Human Sciences (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/agricultural-education-human-sciences-mr/>)
- Agricultural Education and Human Sciences (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/agricultural-education-human-sciences-ms/>)
- Agricultural Education and Human Sciences (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/agricultural-education-human-sciences-phd/>)
- Agriculture Data Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/agriculture-data-science-certificate/>)
- Analytics (<http://catalog.ncsu.edu/graduate/institute-advanced-analytics/analytics/>)
- Analytics (MS) (<http://catalog.ncsu.edu/graduate/institute-advanced-analytics/analytics/analytics-ms/>)
- Animal Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/>)
- Animal Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-minor/>)
- Animal Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-mr/>)
- Animal Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-ms/>)
- Animal Science and Poultry Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-poultry-science/>)
- Animal Science and Poultry Science (PhD): Animal Science Concentration (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-poultry-science/animal-poultry-science-phd-animal-sci/>)
- Animal Science and Poultry Science (PhD): Poultry Science Concentration (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-poultry-science/animal-poultry-science-phd-poultry-sci/>)
- Anthropology (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/anthropology/>)
- Anthropology (MA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/anthropology/anthropology-ma/>)
- Anthropology (Minor) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/anthropology/anthropology-minor/>)
- Applied Mathematics (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/>)

- Applied Mathematics (Minor) (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/applied-mathematics-minor/>)
- Applied Mathematics (MS) (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/applied-mathematics-ms/>)
- Applied Mathematics (PhD) (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/applied-mathematics-phd/>)
- Applied Mathematics (PhD): Computational Mathematics Concentration (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/applied-mathematics-phd-computational-mathematics/>)
- Applied Mathematics (PhD): Interdisciplinary Applied Math Concentration (<http://catalog.ncsu.edu/graduate/sciences/applied-mathematics/applied-mathematics-phd-interdisciplinary-applied-math-concentration/>)
- Applied Statistics and Data Management (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/statistics/applied-statistics-data-management-certificate/>)
- Architecture (<http://catalog.ncsu.edu/graduate/design/architecture/>)
- Architecture (MR) (<http://catalog.ncsu.edu/graduate/design/architecture/architecture-mr/>)
- Architecture (MR): History and Theory of Architecture Concentration (<http://catalog.ncsu.edu/graduate/design/architecture/architecture-mr-history-theory-concentration/>)
- Art and Design (<http://catalog.ncsu.edu/graduate/design/art-design/>)
- Art and Design (MR) (<http://catalog.ncsu.edu/graduate/design/art-design/art-design-mr/>)
- ASIC Design & Verification (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/asic-design-and-verification-certificate/>)

## B

- Biochemistry (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biochemistry/>)
- Biochemistry (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biochemistry/biochemistry-minor/>)
- Biochemistry (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biochemistry/biochemistry-mr/>)
- Biochemistry (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biochemistry/biochemistry-ms/>)
- Biochemistry (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biochemistry/biochemistry-phd/>)
- Bioinformatics (<http://catalog.ncsu.edu/graduate/interdisciplinary/bioinformatics/>)
- Bioinformatics (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/bioinformatics/bioinformatics-mr/>)
- Bioinformatics (PhD) (<http://catalog.ncsu.edu/graduate/interdisciplinary/bioinformatics/bioinformatics-phd/>)
- Biological and Agricultural Engineering (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/>)
- Biological and Agricultural Engineering (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-mr/>)
- Biological and Agricultural Engineering (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-ms/>)
- Biological and Agricultural Engineering (MS): Systems Analysis Concentration (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-ms-systems-analysis/>)

- Biological and Agricultural Engineering (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-phd/>)
- Biological and Agricultural Engineering (PhD): Systems Analysis Concentration (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-phd-systems-analysis/>)
- Biology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biology/>)
- Biology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biology/biology-mr/>)
- Biology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biology/biology-ms/>)
- Biology (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biology/biology-phd/>)
- Biology for Educators (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/graduate-certificate/biology-educators-certificate/>)
- Biomanufacturing (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/>)
- Biomanufacturing (Minor) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-minor/>)
- Biomanufacturing (MR) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-mr/>)
- Biomanufacturing (MR): Industry Track (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-mr-industry-track/>)
- Biomanufacturing (MS) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-ms/>)
- Biomanufacturing Online Graduate Certificate (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-online-graduate-certificate/>)
- Biomathematics (<http://catalog.ncsu.edu/graduate/sciences/biomathematics/>)
- Biomathematics (Minor) (<http://catalog.ncsu.edu/graduate/sciences/biomathematics/biomathematics-minor/>)
- Biomathematics (MR) (<http://catalog.ncsu.edu/graduate/sciences/biomathematics/biomathematics-mr/>)
- Biomathematics (MS) (<http://catalog.ncsu.edu/graduate/sciences/biomathematics/biomathematics-ms/>)
- Biomathematics (PhD) (<http://catalog.ncsu.edu/graduate/sciences/biomathematics/biomathematics-phd/>)
- Biomedical Engineering (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/>)
- Biomedical Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-minor/>)
- Biomedical Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms/>)
- Biomedical Engineering (MS): MedTech Innovation and Entrepreneurship Concentration (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms-translational-innovation-entrepreneurship-concentration/>)
- Biomedical Engineering (MS): Traditional Concentration (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms-traditional-concentration/>)

- Biomedical Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-phd/>)
- Biotechnology (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/biotechnology-minor/>)
- Business Administration (<http://catalog.ncsu.edu/graduate/management/business-administration/>)
- Business Administration (Minor) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-administration-minor/>)
- Business Administration (MR) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-administration-mr/>)
- Business Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-analytics-cert/>)
- Business Leadership (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-leadership-cert/>)
- Business Sustainability (Certificate) (<http://catalog.ncsu.edu/graduate/management/graduate-certificate/graduate-certificate-business-sustainability/>)

## C

- Chemical Engineering (<http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/>)
- Chemical Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-minor/>)
- Chemical Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-mr/>)
- Chemical Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-ms/>)
- Chemical Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-phd/>)
- Chemistry (<http://catalog.ncsu.edu/graduate/sciences/chemistry/>)
- Chemistry (Minor) (<http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-minor/>)
- Chemistry (MS) (<http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-ms/>)
- Chemistry (PhD) (<http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-phd/>)
- City Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/city-design-certificate/>)
- Civil Engineering (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/>)
- Civil Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-minor/>)
- Civil Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-mr/>)
- Civil Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-ms/>)
- Civil Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-phd/>)
- Climate Adaptation (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/climate-adaptation-certificate/>)
- Climate Change & Society (MR) (<http://catalog.ncsu.edu/graduate/sciences/climate-change-society/climate-change-society-mr/>)
- Climate Change and Society (<http://catalog.ncsu.edu/graduate/sciences/climate-change-society/>)
- Clinical Mental Health Counseling (<http://catalog.ncsu.edu/graduate/education/clinical-mental-health-counseling/>)
- Clinical Mental Health Counseling (MEd) (<http://catalog.ncsu.edu/graduate/education/clinical-mental-health-counseling/clinical-mental-health-counseling-med/>)
- Cognitive Science (Minor) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/philosophy-religious-studies/cognitive-science-minor/>)
- College Counseling and Student Development (<http://catalog.ncsu.edu/graduate/education/college-counseling-student-development/>)
- College Counseling and Student Development (MEd) (<http://catalog.ncsu.edu/graduate/education/college-counseling-student-development/college-counseling-student-development-med/>)
- Communication (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication/>)
- Communication (MS) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication/communication-ms/>)
- Communication, Rhetoric, and Digital Media (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication-rhetoric-digital-media/>)
- Communication, Rhetoric, and Digital Media (PhD) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication-rhetoric-digital-media-phd/>)
- Community College Leadership (EdD) (<http://catalog.ncsu.edu/graduate/education/adult-community-college-education/community-college-leadership-edd/>)
- Comparative Biomedical Science (Minor) (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-science-minor/>)
- Comparative Biomedical Sciences (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/>)
- Comparative Biomedical Sciences (MR): Food Animals Concentration (PSM) (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/food-animals-psm-concentration/>)
- Comparative Biomedical Sciences (MS) (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-ms/>)
- Comparative Biomedical Sciences (PhD) (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd/>)
- Comparative Biomedical Sciences (PhD): Cell Biology Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-cell-biology-concentration/>)
- Comparative Biomedical Sciences (PhD): Immunology Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-immunology-concentration/>)
- Comparative Biomedical Sciences (PhD): Infectious Diseases Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-infectious-diseases-concentration/>)
- Comparative Biomedical Sciences (PhD): Neurosciences Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-neurosciences-concentration/>)

- Comparative Biomedical Sciences (PhD): Pathology Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-pathology-concentration/>)
- Comparative Biomedical Sciences (PhD): Pharmacology Concentration (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-pharmacology-concentration/>)
- Comparative Biomedical Sciences (PhD): Population and Global Health (<http://catalog.ncsu.edu/graduate/veterinary-medicine/comparative-biomedical-sciences/comparative-biomedical-sciences-phd-population-med-vet-public-health-concentration/>)
- Computer Engineering (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/>)
- Computer Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-certificate/>)
- Computer Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-minor/>)
- Computer Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-ms/>)
- Computer Engineering (MS): Internship Concentration (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-ms-internship-concentration/>)
- Computer Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-phd/>)
- Computer Networking (<http://catalog.ncsu.edu/graduate/engineering/computer-networking/>)
- Computer Networking (MS) (<http://catalog.ncsu.edu/graduate/engineering/computer-networking/computer-networking-ms/>)
- Computer Networking (MS): Internship Concentration (<http://catalog.ncsu.edu/graduate/engineering/computer-networking/computer-networking-ms-internship-concentration/>)
- Computer Science (<http://catalog.ncsu.edu/graduate/engineering/computer-science/>)
- Computer Science (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-certificate/>)
- Computer Science (MR) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-mr/>)
- Computer Science (MS) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-ms/>)
- Computer Science (PhD) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-phd/>)
- Consumer Textile Product Design and Development (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textiles/consumer-textile-product-design-development-certificate/>)
- Counselor Education (Certificate) (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/counselor-education-certificate/>)
- Creative Writing (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/creative-writing/>)
- Creative Writing (MFA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/creative-writing/creative-writing-mfa/>)
- Crop Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/>)
- Crop Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-minor/>)
- Crop Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-mr/>)
- Crop Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-ms/>)
- Crop Science (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/crop-science/crop-science-phd/>)
- Curriculum and Instruction (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/>)
- Curriculum and Instruction (MEd) (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/curriculum-instruction-med/>)
- Curriculum and Instruction (MEd): Educational Psychology Concentration (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/curriculum-instruction-med-educational-psychology-concentration/>)
- Curriculum and Instruction (MS) (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/curriculum-instruction-ms/>)
- Cybersecurity (<http://catalog.ncsu.edu/graduate/engineering/cybersecurity/>)
- Cybersecurity (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/cybersecurity-certificate/>)
- Cybersecurity (MS) (<http://catalog.ncsu.edu/graduate/engineering/cybersecurity/cybersecurity-ms/>)

## D

- Data Science Foundations (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/data-science-foundations-certificate/>)
- Design (<http://catalog.ncsu.edu/graduate/design/design/>)
- Design (DDes) (<http://catalog.ncsu.edu/graduate/design/design/design-ddes/>)
- Design (PhD) (<http://catalog.ncsu.edu/graduate/design/design/design-phd/>)
- Digital Humanities (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/digital-humanities-certificate/>)
- Disaster Resilient Policy, Engineering and Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/landscape-architecture/disaster-resilient-policy-engineering-design-cert/>)
- Downstream Biomanufacturing (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/downstream-biomanufacturing-certificate/>)

## E

- Ecology (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/ecology-minor/>)
- Economics (<http://catalog.ncsu.edu/graduate/management/economics/>)
- Economics (Minor) (<http://catalog.ncsu.edu/graduate/management/economics/economics-minor/>)
- Economics (MR) (<http://catalog.ncsu.edu/graduate/management/economics/economics-mr/>)
- Economics (MS) (<http://catalog.ncsu.edu/graduate/management/economics/economics-ms/>)
- Economics (PhD) (<http://catalog.ncsu.edu/graduate/management/economics/economics-phd/>)
- Education Research & Policy Analysis (Minor) (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/education-research-policy-analysis-minor/>)
- Educational Leadership (<http://catalog.ncsu.edu/graduate/education/educational-leadership/>)

- Educational Leadership (EdD) (<http://catalog.ncsu.edu/graduate/education/educational-leadership/educational-leadership-edd/>)
- Educational Leadership, Policy and Human Development (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/>)
- Educational Leadership, Policy and Human Development (PhD): Adult and Lifelong Education (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/adult-and-lifelong-education/>)
- Educational Leadership, Policy and Human Development (PhD): Community College and Career Education (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/community-college-and-career-education/>)
- Educational Leadership, Policy and Human Development (PhD): Educational Evaluation and Policy Analysis (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/educational-evaluation-and-policy-analysis/>)
- Educational Leadership, Policy and Human Development (PhD): Higher Education (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/higher-education/>)
- Educational Leadership, Policy and Human Development (PhD): Higher Education Opportunity, Equity, and Justice (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/higher-education-opportunity-equity-and-justice/>)
- Educational Leadership, Policy, and Human Development (PhD) (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/educational-leadership-policy-human-development-phd/>)
- Educational Leadership, Policy, and Human Development (PhD): Counseling and Counselor Education Concentration (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/educational-leadership-policy-human-development-phd-counseling-and-counselor-education-concentration/>)
- Electric Power System Engineering (<http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/>)
- Electric Power System Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms/>)
- Electric Power System Engineering (MS): Internship Concentration (<http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms-internship-concentration/>)
- Electric Power System Engineering (MS): Wide Bandgap Power Electronics Concentration (<http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms-wide-bandgap-power-electronics-concentration/>)
- Electrical Engineering (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/>)
- Electrical Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-certificate/>)
- Electrical Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-minor/>)
- Electrical Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-ms/>)
- Electrical Engineering (MS): Internship Concentration (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-ms-internship-concentration/>)
- Electrical Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-phd/>)
- Elementary Education (<http://catalog.ncsu.edu/graduate/education/elementary-education/>)
- Elementary Education (MEd) (<http://catalog.ncsu.edu/graduate/education/elementary-education/elementary-education-med/>)
- Elementary Education (MS) (<http://catalog.ncsu.edu/graduate/education/elementary-education/elementary-education-ms/>)
- Energy and Technology in Architecture (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/energy-technology-architecture-certificate/>)
- Engineering (<http://catalog.ncsu.edu/graduate/engineering/engineering/>)
- Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr/>)
- Engineering (MR): Aerospace Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-aerospace-engineering-concentration/>)
- Engineering (MR): Chemical Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-chemical-engineering-concentration/>)
- Engineering (MR): Computer Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-engineering-concentration/>)
- Engineering (MR): Computer Science Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-science-concentration/>)
- Engineering (MR): Engineering Management Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-engineering-management-concentration/>)
- Engineering (MR): Industrial Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-industrial-engineering-concentration/>)
- Engineering (MR): Materials Science and Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-materials-science-engineering-concentration/>)
- Engineering (MR): Mechanical Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-mechanical-engineering-concentration/>)
- Engineering (MR): Nuclear Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-nuclear-engineering-concentration/>)
- Engineering Education (<http://catalog.ncsu.edu/graduate/engineering/engineering-education/>)
- Engineering Education (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-education/engineering-education-certificate/>)
- Engineering Education (MS) (<http://catalog.ncsu.edu/graduate/engineering/engineering-education/engineering-education-ms/>)
- Engineering Management (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/>)
- Engineering Management (MR) (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr/>)
- Engineering Management (MR): Advanced Manufacturing Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-advanced-manufacturing-concentration/>)

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- Engineering Management (MR): Analytics Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-analytics-concentration/>)
- Engineering Management (MR): Entrepreneurship Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-entrepreneurship-concentration/>)
- Engineering Management (MR): Facilities Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-facilities-engineering-concentration/>)
- Engineering Management (MR): General Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-general-concentration/>)
- Engineering Management (MR): Health and Human Systems Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-health-human-sys-concentration/>)
- Engineering Management (MR): Professional Practice Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-professional-practice-concentration/>)
- Engineering Management (MR): Supply Chain Engineering & Management Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-supply-chain-concentration/>)
- Engineering Management Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-analytics-cert/>)
- Engineering Management Foundations (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-found-cert/>)
- English (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/>)
- English (MA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/english-ma/>)
- English (MA): Film Studies Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/english-ma-film-studies-concentration/>)
- English (MA): Linguistics Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/english-ma-linguistics-concentration/>)
- English (MA): Literature Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/english-ma-literature-concentration/>)
- English (MA): Rhetoric and Composition (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/english-ma-rhetoric-and-composition-concentration/>)
- Entomology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/>)
- Entomology (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/entomology-minor/>)
- Entomology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/entomology-mr/>)
- Entomology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/entomology-ms/>)

- Entomology (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/entomology-phd/>)
- Entomology (PhD): Behavioral Biology Concentration (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/entomology-phd-behavioral-biology-concentration/>)
- Environment Assessment (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/environmental-assessment-mr/>)
- Environmental Assessment (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/>)
- Environmental Assessment (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/environmental-assessment-certificate/>)
- Environmental Engineering (<http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/>)
- Environmental Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-mr/>)
- Environmental Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-ms/>)

## F

- Family Life Education and Coaching (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/family-life-education-coaching-certificate/>)
- Feed Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/feed-science-certificate/>)
- Fiber and Polymer Science (<http://catalog.ncsu.edu/graduate/textiles/fiber-polymer-science/>)
- Fiber and Polymer Science (PhD) (<http://catalog.ncsu.edu/graduate/textiles/fiber-polymer-science/fiber-polymer-science-phd/>)
- Fiber and Polymer Sciences (Minor) (<http://catalog.ncsu.edu/graduate/textiles/fiber-polymer-science/fiber-polymer-science-minor/>)
- Finance (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/finance-certificate/>)
- Financial Mathematics (<http://catalog.ncsu.edu/graduate/interdisciplinary/financial-mathematics/>)
- Financial Mathematics (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/financial-mathematics/financial-mathematics-mr/>)
- Fisheries, Wildlife, and Conservation Biology (<http://catalog.ncsu.edu/graduate/interdisciplinary/fisheries-wildlife-conservation-biology/>)
- Fisheries, Wildlife, and Conservation Biology (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/fisheries-wildlife-conservation-biology/fisheries-wildlife-conservation-biology-mr/>)
- Fisheries, Wildlife, and Conservation Biology (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/fisheries-wildlife-conservation-biology/fisheries-wildlife-conservation-biology-ms/>)
- Fisheries, Wildlife, and Conservation Biology (PhD) (<http://catalog.ncsu.edu/graduate/interdisciplinary/fisheries-wildlife-conservation-biology/fisheries-wildlife-conservation-biology-phd/>)
- Food Safety (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/food-safety-cert/>)
- Food Safety (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/food-safety-minor/>)
- Food Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/food-science/>)

- Food Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/food-science/food-science-minor/>)
- Food Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/food-science/food-science-mr/>)
- Food Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/food-science/food-science-ms/>)
- Food Science (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/food-science/food-science-phd/>)
- Forest Biomaterials (<http://catalog.ncsu.edu/graduate/natural-resources/forest-biomaterials/>)
- Forest Biomaterials (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/forest-biomaterials/forest-biomaterials-mr/>)
- Forest Biomaterials (MS) (<http://catalog.ncsu.edu/graduate/natural-resources/forest-biomaterials/forest-biomaterials-ms/>)
- Forest Biomaterials (PhD) (<http://catalog.ncsu.edu/graduate/natural-resources/forest-biomaterials/forest-biomaterials-phd/>)
- Forestry (Minor) (<http://catalog.ncsu.edu/graduate/natural-resources/forestry/forestry-minor/>)
- Forestry (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/forestry/forestry-mr/>)
- Forestry (MS) (<http://catalog.ncsu.edu/graduate/natural-resources/forestry/forestry-ms/>)
- Forestry and Environmental Resources (<http://catalog.ncsu.edu/graduate/natural-resources/forestry/>)
- Forestry and Environmental Resources (PhD) (<http://catalog.ncsu.edu/graduate/natural-resources/forestry/forestry-environmental-resources-phd/>)
- Foundations of Data Science (<http://catalog.ncsu.edu/graduate/interdisciplinary/foundationsofdatascience/>)
- Foundations of Data Science (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/foundationsofdatascience/foundations-of-data-science-ms/>)
- Foundations of Data Science (MS): Computer Science Concentration (<http://catalog.ncsu.edu/graduate/interdisciplinary/foundationsofdatascience/computer-science-concentration/>)
- Foundations of Data Science (MS): Mathematics Concentration (<http://catalog.ncsu.edu/graduate/interdisciplinary/foundationsofdatascience/mathematics-concentration/>)
- Foundations of Data Science (MS): Statistics Concentration (<http://catalog.ncsu.edu/graduate/interdisciplinary/foundationsofdatascience/statistics-concentration/>)
- Geographic Information Systems (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/graduate-certificate/geographic-information-systems-certificate/>)
- Geographic Information Systems (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/geographic-information-systems-minor/>)
- Geospatial Analytics (<http://catalog.ncsu.edu/graduate/natural-resources/geospatial-analytics/>)
- Geospatial Analytics (PhD) (<http://catalog.ncsu.edu/graduate/natural-resources/geospatial-analytics/geospatial-analytics-phd/>)
- Geospatial Information Science & Technology (<http://catalog.ncsu.edu/graduate/natural-resources/geospatial-information-science-technology/>)
- Geospatial Information Science and Technology (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/geospatial-information-science-technology/geospatial-information-science-technology-mr/>)
- Global One Health (<http://catalog.ncsu.edu/graduate/interdisciplinary/global-one-health/>)
- Global One Health (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/global-one-health/global-one-health-ms/>)
- Graduate Certificates - College of Agriculture and Life Sciences (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/>)
- Graduate Certificates - College of Design (<http://catalog.ncsu.edu/graduate/design/graduate-certificate/>)
- Graduate Certificates - College of Education (<http://catalog.ncsu.edu/graduate/education/graduate-certificate/>)
- Graduate Certificates - College of Engineering (<http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/>)
- Graduate Certificates - College of Humanities and Social Sciences (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/graduate-certificate/>)
- Graduate Certificates - College of Natural Resources (<http://catalog.ncsu.edu/graduate/natural-resources/graduate-certificate/>)
- Graduate Certificates - College of Sciences (<http://catalog.ncsu.edu/graduate/sciences/graduate-certificate/>)
- Graduate Certificates - Poole College of Management (<http://catalog.ncsu.edu/graduate/management/graduate-certificate/>)
- Graduate Certificates - Wilson College of Textiles (<http://catalog.ncsu.edu/graduate/textiles/graduate-certificate/>)
- Graphic & Experience Design (<http://catalog.ncsu.edu/graduate/design/graphic-design/>)
- Graphic and Experience Design (MR) (<http://catalog.ncsu.edu/graduate/design/graphic-design/graphic-design-mr/>)

## G

- Genetic Engineering & Society (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/entomology/genetic-engineering-society-minor/>)
- Genetics and Genomics (<http://catalog.ncsu.edu/graduate/interdisciplinary/genetics-genomics/>)
- Genetics and Genomics (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/genetics-genomics/genetics-genomics-minor/>)
- Genetics and Genomics (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/genetics-genomics/genetics-genomics-mr/>)
- Genetics and Genomics (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/genetics-genomics/genetics-genomics-ms/>)
- Genetics and Genomics (PhD) (<http://catalog.ncsu.edu/graduate/interdisciplinary/genetics-genomics/genetics-genomics-phd/>)

## H

- Health Physics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/health-physics-certificate/>)
- Higher Education Administration (<http://catalog.ncsu.edu/graduate/education/higher-education-administration/>)
- Higher Education Administration (MEd) (<http://catalog.ncsu.edu/graduate/education/higher-education-administration/higher-education-administration-med/>)
- History (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/history/>)
- History (MA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/history/history-ma/>)

- Horticultural Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/>)
- Horticultural Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-certificate/>)
- Horticultural Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-minor/>)
- Horticultural Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-mr/>)
- Horticultural Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-ms/>)
- Horticultural Science (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-phd/>)
- Human Dimensions of Natural Resources (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/human-dimensions-natural-resources-cert/>)

## I

- Industrial Design (<http://catalog.ncsu.edu/graduate/design/industrial-design/>)
- Industrial Design (MR) (<http://catalog.ncsu.edu/graduate/design/industrial-design/industrial-design-mr/>)
- Industrial Engineering (<http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/>)
- Industrial Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-minor/>)
- Industrial Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-mr/>)
- Industrial Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-ms/>)
- Industrial Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-phd/>)
- Integrated Manufacturing Systems Engineering (<http://catalog.ncsu.edu/graduate/engineering/integrated-manufacturing-systems-engineering/>)
- Integrated Manufacturing Systems Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/integrated-manufacturing-systems-engineering/integrated-manufacturing-systems-engineering-mr/>)
- Interdisciplinary Minors (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/>)
- Interdisciplinary Perspectives on Genes and Genomes (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/interdisciplinary-perspectives-on-genes-and-genomes/>)
- International Studies (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/international-studies/>)
- International Studies (Minor) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/international-studies/international-studies-minor/>)
- International Studies (MR) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/international-studies/international-studies-mr/>)

## L

- Landscape Architecture (<http://catalog.ncsu.edu/graduate/design/landscape-architecture/>)
- Landscape Architecture (MR) (<http://catalog.ncsu.edu/graduate/design/landscape-architecture/landscape-architecture-mr/>)
- Leadership and Volunteer Management (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/leadership-volunteer-management-certificate/>)
- Leadership in Agriculture and Human Sciences (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/leadership-agriculture-human-sciences-certificate/>)
- Learning & Teaching in STEM (PhD) (<http://catalog.ncsu.edu/graduate/education/learning-teaching-stem/learning-teaching-stem-phd/>)
- Learning Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/learning-analytics-cert/>)
- Learning and Teaching in STEM (<http://catalog.ncsu.edu/graduate/education/learning-teaching-stem/>)
- Learning and Teaching in STEM (PhD): Engineering and Technology Education (<http://catalog.ncsu.edu/graduate/education/learning-teaching-stem/engineering-and-technology-education/>)
- Learning and Teaching in STEM (PhD): Mathematics and Statistics Education (<http://catalog.ncsu.edu/graduate/education/learning-teaching-stem/mathematics-and-statistics-education/>)
- Learning and Teaching in STEM (PhD): Science Education (<http://catalog.ncsu.edu/graduate/education/learning-teaching-stem/science-education/>)
- Learning Design & Technology (MEd) (<http://catalog.ncsu.edu/graduate/education/learning-design-technology/learning-design-technology-med/>)
- Learning Design & Technology (MS) (<http://catalog.ncsu.edu/graduate/education/learning-design-technology/learning-design-technology-ms/>)
- Learning Design and Technology (<http://catalog.ncsu.edu/graduate/education/learning-design-technology/>)
- Learning STEM in Informal Contexts (Certificate) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/learning-stem-informal-contexts-certificate/>)
- Liberal Studies (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/liberal-studies/>)
- Liberal Studies (MA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/liberal-studies/liberal-studies-ma/>)

## M

- Management (<http://catalog.ncsu.edu/graduate/management/management/>)
- Management (MR): Marketing Analytics Concentration (<http://catalog.ncsu.edu/graduate/management/management/management-mr-business-analytics-conc/>)
- Management (MR): Risk and Analytics Concentration (<http://catalog.ncsu.edu/graduate/management/management/management-mr-risk-analytics-concentration/>)
- Marine, Earth and Atmospheric Sciences (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/>)

- Marine, Earth, & Atmospheric Sciences (Minor) (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-minor/>)
  - Marine, Earth, and Atmospheric Sciences (MS) (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-ms/>)
  - Marine, Earth, and Atmospheric Sciences (PhD) (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-phd/>)
  - Marketing (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/marketing-certificate/>)
  - Materials Informatics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-informatics-cert/>)
  - Materials Science and Engineering (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/>)
  - Materials Science and Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-certificate/>)
  - Materials Science and Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-minor/>)
  - Materials Science and Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-mr/>)
  - Materials Science and Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-ms/>)
  - Materials Science and Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-phd/>)
  - Mathematics (<http://catalog.ncsu.edu/graduate/sciences/mathematics/>)
  - Mathematics (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-certificate/>)
  - Mathematics (Minor) (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-minor/>)
  - Mathematics (MS) (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-ms/>)
  - Mathematics (PhD) (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-phd/>)
  - Mathematics (PhD): Interdisciplinary Mathematics Concentration (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-phd-interdisciplinary-mathematics-concentration/>)
  - Mathematics Education (<http://catalog.ncsu.edu/graduate/education/mathematics-education/>)
  - Mathematics Education (Minor) (<http://catalog.ncsu.edu/graduate/education/mathematics-education/mathematics-education-minor/>)
  - Mathematics Education (MS) (<http://catalog.ncsu.edu/graduate/education/mathematics-education/mathematics-education-ms/>)
  - Mathematics Teaching and Learning (Certificate) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/mathematics-teaching-learning-certificate/>)
  - Mechanical Engineering (<http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/>)
  - Mechanical Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-minor/>)
  - Mechanical Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-ms/>)
  - Mechanical Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-phd/>)
  - Microbial Biotechnology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbial-biotechnology/>)
  - Microbial Biotechnology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbial-biotechnology/microbial-biotechnology-mr/>)
  - Microbiology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbiology/>)
  - Microbiology (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbiology/microbiology-minor/>)
  - Microbiology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbiology/microbiology-mr/>)
  - Microbiology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbiology/microbiology-ms/>)
  - Microbiology (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbiology/microbiology-phd/>)
  - Molecular Biotechnology (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/molecular-biotechnology-certificate/>)
- ## N
- Nano-Systems Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/nano-systems-engineering-certificate/>)
  - Nanobiotechnology (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/nanobiotechnology-certificate/>)
  - Nanoengineering (<http://catalog.ncsu.edu/graduate/engineering/nanoengineering/>)
  - Nanoengineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr/>)
  - Nanoengineering (MR): Biomedical Sciences in Nanoengineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-biomedical-sciences-concentration/>)
  - Nanoengineering (MR): Materials Science in Nanoengineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-materials-science-concentration/>)
  - Nanoengineering (MR): Nanoelectronics and Nanophotonics Concentration (<http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-nanoelectronics-nanophotonics-concentration/>)
  - Natural Resources (<http://catalog.ncsu.edu/graduate/natural-resources/natural-resources/>)
  - Natural Resources (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/natural-resources-mr/>)
  - Natural Resources (MS) (<http://catalog.ncsu.edu/graduate/natural-resources/natural-resources-ms/>)
  - Nonprofit Management (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/nonprofit-management-certificate/>)
  - Nonwoven Science and Technology (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/graduate-certificate/nonwoven-science-technology-certificate/>)

- Nuclear Engineering (<http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/>)
- Nuclear Engineering (Minor) (<http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-minor/>)
- Nuclear Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-mr/>)
- Nuclear Engineering (MS) (<http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-ms/>)
- Nuclear Engineering (PhD) (<http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-phd/>)
- Nuclear Nonproliferation Science and Policy (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/graduate-certificate/nuclear-nonproliferation-science-policy-certificate/>)
- Nutrition (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/>)
- Nutrition (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-minor/>)
- Nutrition (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-mr/>)
- Nutrition (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-ms/>)
- Nutrition (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-phd/>)

## O

- Operations and Supply Chain Management (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/operations-supply-chain-management-certificate/>)
- Operations Research (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/>)
- Operations Research (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-minor/>)
- Operations Research (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-mr/>)
- Operations Research (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-ms/>)
- Operations Research (PhD) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-phd/>)

## P

- Parks, Recreation and Tourism Management (MS) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-management-ms/>)
- Parks, Recreation and Tourism Management (PhD) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-management-phd/>)
- Parks, Recreation, and Tourism Management (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/>)
- Parks, Recreation, Tourism, and Sports Management (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/parks-recreation-tourism-sport-management-mr/>)
- Participatory Sciences (Certificate) (<http://catalog.ncsu.edu/graduate/interdisciplinary/participatory-sciences/>)

- Performance Based Earthquake Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/performance-based-earthquake-engineering-cert/>)
- Philosophy & Religious Studies (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/philosophy-religious-studies/>)
- Physics (<http://catalog.ncsu.edu/graduate/sciences/physics/>)
- Physics (Minor) (<http://catalog.ncsu.edu/graduate/sciences/physics/physics-minor/>)
- Physics (MS) (<http://catalog.ncsu.edu/graduate/sciences/physics/physics-ms/>)
- Physics (PhD) (<http://catalog.ncsu.edu/graduate/sciences/physics/physics-phd/>)
- Physiology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/>)
- Physiology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-mr/>)
- Physiology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-ms/>)
- Plant Biology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-biology/>)
- Plant Biology (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-biology/plant-biology-minor/>)
- Plant Biology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-biology/plant-biology-mr/>)
- Plant Biology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-biology/plant-biology-ms/>)
- Plant Biology (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-biology/plant-biology-phd/>)
- Plant Pathology (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-pathology/>)
- Plant Pathology (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-pathology/plant-pathology-minor/>)
- Plant Pathology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-pathology/plant-pathology-mr/>)
- Plant Pathology (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-pathology/plant-pathology-ms/>)
- Plant Pathology (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/plant-pathology/plant-pathology-phd/>)
- Policy Analysis (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/policy-analysis-certificate/>)
- Poultry Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/>)
- Poultry Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/poultry-science-minor/>)
- Poultry Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/poultry-science-mr/>)
- Poultry Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/poultry-science-ms/>)
- Professional Communication and Managerial Skills (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication/professional-communication-managerial-skills-certificate/>)
- Psychology (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/>)
- Psychology (Minor) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-minor/>)

- Psychology (MS): School Psychology Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-ms-school-psychology-concentration/>)
- Psychology (PhD) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd/>)
- Psychology (PhD): Applied Social Psychology Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd-applied-social-community-psychology-concentration/>)
- Psychology (PhD): Human Factors and Applied Cognition Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd-human-factors-applied-cognition-concentration/>)
- Psychology (PhD): Industrial-Organizational Psychology Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd-industrial-organizational-psychology-concentration/>)
- Psychology (PhD): Lifespan Developmental Psychology Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd-lifespan-developmental-psychology-concentration/>)
- Psychology (PhD): School Psychology Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/psychology/psychology-phd-school-psychology-concentration/>)
- Public Administration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/>)
- Public Administration (Minor) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/public-administration-minor/>)
- Public Administration (MR) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/public-administration-mr/>)
- Public Administration (PhD) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/public-administration-phd/>)
- Public History (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-history/>)
- Public History (MA) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-history/public-history-ma/>)
- Public History (PhD) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-history/public-history-phd/>)
- Public Interest Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/public-interest-design-certificate/>)

## R

- Regulatory Science in Agriculture (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/regulatory-science-in-agriculture-cert/>)
- Renewable Electric Energy Systems (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/renewable-electric-energy-systems-certificate/>)
- Renewable Energy Assessment and Development (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/renewable-energy-assessment-development-certificate/>)

## S

- School Administration (<http://catalog.ncsu.edu/graduate/education/school-administration/>)
- School Administration (MR) (<http://catalog.ncsu.edu/graduate/education/school-administration/school-administration-mr/>)
- School Counseling (<http://catalog.ncsu.edu/graduate/education/school-counseling/>)
- School Counseling (MEd) (<http://catalog.ncsu.edu/graduate/education/school-counseling/school-counseling-med/>)
- Science Education (<http://catalog.ncsu.edu/graduate/education/science-education/>)
- Science Education (Minor) (<http://catalog.ncsu.edu/graduate/education/science-education/science-education-minor/>)
- Science Education (MS) (<http://catalog.ncsu.edu/graduate/education/science-education/science-education-ms/>)
- Science, Technology, Engineering, and Mathematics Education (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/>)
- Science, Technology, Engineering, and Mathematics Education (MEd) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Engineering and Technology Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/stem-med-engineering-technology-education-concentration/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Mathematics & Statistics Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-mathematics-statistics-education-concentration/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Science Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-science-education-concentration/>)
- Social Work (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/social-work/>)
- Social Work (MR) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/social-work/social-work-mr/>)
- Sociology (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/sociology/>)
- Sociology (MR) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/sociology/sociology-mr/>)
- Sociology (MS) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/sociology/sociology-ms/>)
- Sociology (PhD) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/sociology/sociology-phd/>)
- Soil Science (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/soil-science/>)
- Soil Science (Minor) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/soil-science/soil-science-minor/>)
- Soil Science (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/soil-science/soil-science-mr/>)

- Soil Science (MS) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/soil-science/soil-science-ms/>)
- Soil Science (PhD) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/soil-science/soil-science-phd/>)
- Special Education (<http://catalog.ncsu.edu/graduate/education/special-education/>)
- Special Education (Certificate): Multi-Tiered System of Supports (MTSS) (<http://catalog.ncsu.edu/graduate/education/special-education/special-education-certificate/>)
- Special Education (MED) (<http://catalog.ncsu.edu/graduate/education/special-education/special-education-med/>)
- Special Education (Minor) (<http://catalog.ncsu.edu/graduate/education/special-education/special-education-minor/>)
- Special Education (MS) (<http://catalog.ncsu.edu/graduate/education/special-education/special-education-ms/>)
- Sport and Entertainment Venue Management (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/sport-entertainment-venue-management-certificate/>)
- Statistics (<http://catalog.ncsu.edu/graduate/sciences/statistics/>)
- Statistics (Minor) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-minor/>)
- Statistics (MR) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr/>)
- Statistics (MR): Biostatistics Concentration (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-biostatistics-concentration/>)
- Statistics (MR): Distance Track (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-distance-track/>)
- Statistics (MR): Environmental Statistics Concentration (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-environmental-statistics-concentration/>)
- Statistics (MR): Financial Concentration (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-financial-concentration/>)
- Statistics (MR): Statistical Genetics Concentration (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-statistical-genetics-concentration/>)
- Statistics (MS) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-ms/>)
- Statistics (PhD) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-phd/>)

## T

- Tax Analytics and Technology (Certificate) (<http://catalog.ncsu.edu/graduate/management/accounting/tax-analytics-technology-certificate/>)
- Teacher Education and Learning Science (PhD): Educational Equity (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/educational-equity/>)
- Teacher Education and Learning Science (PhD): Educational Psychology (EDP) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/educational-psychology/>)
- Teacher Education and Learning Science (PhD): Elementary Education in Mathematics and Science (EEMS) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/elementary-education-in-mathematics-and-science/>)
- Teacher Education and Learning Science (PhD): Learning Design and Technology (LDT) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/learning-design-and-technology/>)

- Teacher Education and Learning Science (PhD): Literacy and English Language Arts Education (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/literacy-and-english-language-arts-education/>)
- Teacher Education and Learning Science (PhD): Social Studies Education (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/social-studies-education/>)
- Teacher Education and Learning Sciences (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/>)
- Teacher Education and Learning Sciences (Minor) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/teacher-education-learning-sciences-minor/>)
- Teacher Education and Learning Sciences (PhD) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/teacher-education-learning-sciences-phd/>)
- Teaching (<http://catalog.ncsu.edu/graduate/education/teaching/>)
- Teaching (MA) (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma/>)
- Teaching (MA): Elementary Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-elementary-education-concentration/>)
- Teaching (MA): English Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-english-education-concentration/>)
- Teaching (MA): K-12 Reading Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-k-12-reading-concentration/>)
- Teaching (MA): Math Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-math-education-concentration/>)
- Teaching (MA): Middle Grades English Language Arts Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-middle-grades-education-concentration/>)
- Teaching (MA): Middle Grades Math Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-middle-grades-math-concentration/>)
- Teaching (MA): Middle Grades Science Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-middle-grades-science-concentration/>)
- Teaching (MA): Middle Grades Social Studies Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-middle-grades-social-studies-concentration/>)
- Teaching (MA): Multilingual Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-multilingual-education-concentration/>)
- Teaching (MA): Science Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-science-education-concentration/>)
- Teaching (MA): Social Studies Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-social-studies-education-concentration/>)
- Teaching (MA): Special Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-special-education-concentration/>)

- Teaching (MA): Technology Education Concentration (<http://catalog.ncsu.edu/graduate/education/teaching/teaching-ma-technology-education-concentration/>)
- Teaching and Learning Statistics and Data Science (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-education-certificate/>)
- Teaching, Training, and Educational Technology (Certificate) (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/teaching-training-educational-technology-certificate/>)
- Teamwork in Interdisciplinary Biomedical Research (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/teamwork-interdisciplinary-biomed-research/>)
- Technical Communication (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/technical-communication/>)
- Technical Communication (MS) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/technical-communication/technical-communication-ms/>)
- Technology Education (<http://catalog.ncsu.edu/graduate/education/technology-education/>)
- Technology Education (EdD) (<http://catalog.ncsu.edu/graduate/education/technology-education/technology-education-edd/>)
- Technology Education (Minor) (<http://catalog.ncsu.edu/graduate/education/technology-education/technology-education-minor/>)
- Technology Entrepreneurship and Commercialization (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/technology-entrepreneurship-commercialization-certificate/>)
- Textile and Apparel Management (Minor) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textile-apparel-management-minor/>)
- Textile Brand Management and Marketing (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textile-brand-management-marketing-certificate/>)
- Textile Chemistry (<http://catalog.ncsu.edu/graduate/textiles/textile-chemistry/>)
- Textile Chemistry (Minor) (<http://catalog.ncsu.edu/graduate/textiles/textile-chemistry/textile-chemistry-minor/>)
- Textile Chemistry (MS) (<http://catalog.ncsu.edu/graduate/textiles/textile-chemistry/textile-chemistry-ms/>)
- Textile Engineering (<http://catalog.ncsu.edu/graduate/textiles/textile-engineering/>)
- Textile Engineering (Minor) (<http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-minor/>)
- Textile Engineering (MS) (<http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-ms/>)
- Textile Management and Technology (Minor) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textile-management-technology-minor/>)
- Textile Supply Chain Management (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-supply-chain-management-certificate/>)
- Textile Technology Management (<http://catalog.ncsu.edu/graduate/textiles/textile-technology-management/>)
- Textile Technology Management (PhD) (<http://catalog.ncsu.edu/graduate/textiles/textile-technology-management/textile-technology-management-phd/>)
- Textiles (<http://catalog.ncsu.edu/graduate/textiles/textiles/>)

- Textiles (MR) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textiles-mr/>)
- Textiles (MS) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textiles-ms/>)
- Toxicology (<http://catalog.ncsu.edu/graduate/sciences/toxicology/>)
- Toxicology (Minor) (<http://catalog.ncsu.edu/graduate/sciences/toxicology/toxicology-minor/>)
- Toxicology (MR) (<http://catalog.ncsu.edu/graduate/sciences/toxicology/toxicology-mr/>)
- Toxicology (MS) (<http://catalog.ncsu.edu/graduate/sciences/toxicology/toxicology-ms/>)
- Toxicology (PhD) (<http://catalog.ncsu.edu/graduate/sciences/toxicology/toxicology-phd/>)
- Training & Development (<http://catalog.ncsu.edu/graduate/education/training-development/>)
- Training & Development (MEd) (<http://catalog.ncsu.edu/graduate/education/training-development/training-development-med/>)

## U

- Upstream Biomanufacturing (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/upstream-biomanufacturing-certificate/>)

## W

- Water Resources (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/water-resources-minor/>)
- Watershed Assessment and Restoration (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/watershed-assessment-restoration-certificate/>)
- Women's, Gender, and Sexuality Studies (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/interdisciplinary-minors/womens-gender-studies-minor/>)
- World Languages and Cultures (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/world-languages-cultures/>)
- World Languages and Cultures (MA): French Language and Literature Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/world-languages-cultures/+world-languages-cultures-ma-french-language-literature-concentration/>)
- World Languages and Cultures (MA): Spanish Language and Literature Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/world-languages-cultures/+world-languages-cultures-ma-spanish-language-literature-concentration/>)
- World Languages and Cultures (MA): Teaching of English to Speakers of Other Languages (TESOL) Concentration (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/world-languages-cultures/world-languages-cultures-ma-tesol-concentration/>)

## Y

- Youth Development and Leadership (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/youth-development-leadership-certificate/>)

## Certificates

### #

- 5G Technology (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/5g-technologies-certificate/>)

### A

- Agricultural and Extension Education (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-extension-education/agricultural-extension-education-certificate/>)
- Agriculture Data Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/agriculture-data-science-certificate/>)
- Applied Statistics and Data Management (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/statistics/applied-statistics-data-management-certificate/>)
- ASIC Design & Verification (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/asic-design-and-verification-certificate/>)

### B

- Biology for Educators (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/graduate-certificate/biology-educators-certificate/>)
- Biomanufacturing Online Graduate Certificate (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-online-graduate-certificate/>)
- Business Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-analytics-cert/>)
- Business Leadership (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/business-leadership-cert/>)
- Business Sustainability (Certificate) (<http://catalog.ncsu.edu/graduate/management/graduate-certificate/graduate-certificate-business-sustainability/>)

### C

- City Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/city-design-certificate/>)
- Climate Adaptation (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/climate-adaptation-certificate/>)
- Computer Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-certificate/>)
- Computer Science (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-certificate/>)
- Consumer Textile Product Design and Development (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textiles/consumer-textile-product-design-development-certificate/>)
- Counselor Education (Certificate) (<http://catalog.ncsu.edu/graduate/education/curriculum-instruction/counselor-education-certificate/>)
- Cybersecurity (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/cybersecurity-certificate/>)

### D

- Data Science Foundations (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/computer-science/data-science-foundations-certificate/>)

- Digital Humanities (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/english/digital-humanities-certificate/>)
- Disaster Resilient Policy, Engineering and Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/landscape-architecture/disaster-resilient-policy-engineering-design-cert/>)
- Downstream Biomanufacturing (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/downstream-biomanufacturing-certificate/>)

### E

- Electrical Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-certificate/>)
- Energy and Technology in Architecture (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/energy-technology-architecture-certificate/>)
- Engineering Education (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-education/engineering-education-certificate/>)
- Engineering Management Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-analytics-cert/>)
- Engineering Management Foundations (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-found-cert/>)
- Environmental Assessment (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/environmental-assessment-certificate/>)

### F

- Family Life Education and Coaching (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/family-life-education-coaching-certificate/>)
- Feed Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/poultry-science/feed-science-certificate/>)
- Finance (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/finance-certificate/>)
- Food Safety (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/food-safety-cert/>)

### G

- Geographic Information Systems (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/graduate-certificate/geographic-information-systems-certificate/>)

### H

- Health Physics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/health-physics-certificate/>)
- Horticultural Science (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/horticultural-science/horticultural-science-certificate/>)
- Human Dimensions of Natural Resources (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/human-dimensions-natural-resources-cert/>)

### L

- Leadership and Volunteer Management (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural->

education-human-sciences/leadership-volunteer-management-certificate/)

- Leadership in Agriculture and Human Sciences (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/leadership-agriculture-human-sciences-certificate/>)
- Learning Analytics (Certificate) (<http://catalog.ncsu.edu/graduate/education/teacher-education-learning-sciences/learning-analytics-cert/>)
- Learning STEM in Informal Contexts (Certificate) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/learning-stem-informal-contexts-certificate/>)

## M

- Marketing (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/marketing-certificate/>)
- Materials Informatics (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-informatics-cert/>)
- Materials Science and Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-certificate/>)
- Mathematics (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/mathematics/mathematics-certificate/>)
- Mathematics Teaching and Learning (Certificate) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/mathematics-teaching-learning-certificate/>)
- Molecular Biotechnology (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/molecular-biotechnology-certificate/>)

## N

- Nano-Systems Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/nano-systems-engineering-certificate/>)
- Nanobiotechnology (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/nanobiotechnology-certificate/>)
- Nonprofit Management (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/nonprofit-management-certificate/>)
- Nonwoven Science and Technology (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/graduate-certificate/nonwoven-science-technology-certificate/>)
- Nuclear Nonproliferation Science and Policy (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/graduate-certificate/nuclear-nonproliferation-science-policy-certificate/>)

## O

- Operations and Supply Chain Management (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/operations-supply-chain-management-certificate/>)

## P

- Participatory Sciences (Certificate) (<http://catalog.ncsu.edu/graduate/interdisciplinary/participatory-sciences/>)

- Performance Based Earthquake Engineering (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/civil-engineering/performance-based-earthquake-engineering-cert/>)
- Policy Analysis (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/public-administration/policy-analysis-certificate/>)
- Professional Communication and Managerial Skills (Certificate) (<http://catalog.ncsu.edu/graduate/humanities-social-sciences/communication/professional-communication-managerial-skills-certificate/>)
- Public Interest Design (Certificate) (<http://catalog.ncsu.edu/graduate/design/architecture/public-interest-design-certificate/>)

## R

- Regulatory Science in Agriculture (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/regulatory-science-in-agriculture-cert/>)
- Renewable Electric Energy Systems (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/renewable-electric-energy-systems-certificate/>)
- Renewable Energy Assessment and Development (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/environmental-assessment/renewable-energy-assessment-development-certificate/>)

## S

- Special Education (Certificate): Multi-Tiered System of Supports (MTSS) (<http://catalog.ncsu.edu/graduate/education/special-education/special-education-certificate/>)
- Sport and Entertainment Venue Management (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/parks-recreation-tourism-management/sport-entertainment-venue-management-certificate/>)

## T

- Tax Analytics and Technology (Certificate) (<http://catalog.ncsu.edu/graduate/management/accounting/tax-analytics-technology-certificate/>)
- Teaching and Learning Statistics and Data Science (Certificate) (<http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-education-certificate/>)
- Teaching, Training, and Educational Technology (Certificate) (<http://catalog.ncsu.edu/graduate/education/educational-leadership-policy-human-development/teaching-training-educational-technology-certificate/>)
- Technology Entrepreneurship and Commercialization (Certificate) (<http://catalog.ncsu.edu/graduate/management/business-administration/technology-entrepreneurship-commercialization-certificate/>)
- Textile Brand Management and Marketing (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textiles/textile-brand-management-marketing-certificate/>)
- Textile Supply Chain Management (Certificate) (<http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-supply-chain-management-certificate/>)

## U

- Upstream Biomanufacturing (Certificate) (<http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/upstream-biomanufacturing-certificate/>)

## W

- Watershed Assessment and Restoration (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/graduate-certificate/watershed-assessment-restoration-certificate/>)

## Y

- Youth Development and Leadership (Certificate) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/agricultural-education-human-sciences/youth-development-leadership-certificate/>)

## NC State Graduate Handbook (<http://catalog.ncsu.edu/graduate/graduate-handbook/>)

- 1.1 Graduate School Responsibilities (<http://catalog.ncsu.edu/graduate/graduate-handbook/school-responsibilities/>)
- 1.2 Graduate Student Responsibilities (<http://catalog.ncsu.edu/graduate/graduate-handbook/student-responsibilities/>)
- 1.3 Graduate Faculty (<http://catalog.ncsu.edu/graduate/graduate-handbook/faculty/>)
- 1.4 Directors of Graduate Programs (<http://catalog.ncsu.edu/graduate/graduate-handbook/directors-graduate-programs/>)
- 1.5 Graduate Services Coordinators (<http://catalog.ncsu.edu/graduate/graduate-handbook/services-coordinators/>)
- 1.6 Graduate School Representatives (<http://catalog.ncsu.edu/graduate/graduate-handbook/representatives/>)
- 1.7 Administrative Board of the Graduate School (<http://catalog.ncsu.edu/graduate/graduate-handbook/administrative-board/>)
- 1.8 Common Administrative Board Actions (<http://catalog.ncsu.edu/graduate/graduate-handbook/common-administrative-board-actions/>)
- 2.1 Applications (<http://catalog.ncsu.edu/graduate/graduate-handbook/applications/>)
- 2.2 Application Deadlines (<http://catalog.ncsu.edu/graduate/graduate-handbook/application-deadlines/>)
- 2.3 Graduate School Admissions (<http://catalog.ncsu.edu/graduate/graduate-handbook/admissions/>)
- 2.4 Admission of Non-U.S. Citizens (<http://catalog.ncsu.edu/graduate/graduate-handbook/international-student-admissions/>)
- 2.5 Medical History and Immunizations Requirements (<http://catalog.ncsu.edu/graduate/graduate-handbook/medical-history-immunizations-requirements/>)
- 3.1 Graduate School Minimum Requirements (<http://catalog.ncsu.edu/graduate/graduate-handbook/minimum-requirements/>)
- 3.2 Advisory Committees (<http://catalog.ncsu.edu/graduate/graduate-handbook/advisory-committees/>)
- 3.3 Degree Audit (<http://catalog.ncsu.edu/graduate/graduate-handbook/degree-audit/>)
- 3.4 Time Limits (<http://catalog.ncsu.edu/graduate/graduate-handbook/time-limits/>)
- 3.5 Comprehensive Examinations (<http://catalog.ncsu.edu/graduate/graduate-handbook/comprehensive-examinations/>)
- 3.6 Theses and Dissertations (<http://catalog.ncsu.edu/graduate/graduate-handbook/theses-dissertations/>)
- 3.7 Master's Degree: Summary of Procedures (<http://catalog.ncsu.edu/graduate/graduate-handbook/masters-degree-summary-procedures/>)
- 3.8 Doctoral Degree: Summary of Requirements (<http://catalog.ncsu.edu/graduate/graduate-handbook/doctoral-degree-summary-requirements/>)
- 3.9 Change in Degree Level or Program (<http://catalog.ncsu.edu/graduate/graduate-handbook/change-degree-level-program/>)
- 3.10 Dual Master's Degrees (<http://catalog.ncsu.edu/graduate/graduate-handbook/dual-masters-degrees/>)
- 3.11 Master's Degrees while in Doctoral Status (<http://catalog.ncsu.edu/graduate/graduate-handbook/masters-degrees-doctoral-status/>)
- 3.11a Co-Majors and Minors (<http://catalog.ncsu.edu/graduate/graduate-handbook/co-majors-minors/>)
- 3.12 Accelerated Bachelor's/Master's Program (<http://catalog.ncsu.edu/graduate/graduate-handbook/accelerated-bachelors-masters-program/>)
- 3.13 Graduate Certificate Programs (<http://catalog.ncsu.edu/graduate/graduate-handbook/certificate-programs/>)
- 3.14 Minimum Enrollment Requirements (<http://catalog.ncsu.edu/graduate/graduate-handbook/minimum-enrollment-requirements/>)
- 3.15 Course Registration (<http://catalog.ncsu.edu/graduate/graduate-handbook/course-registration/>)
- 3.16 Withdrawal from the University (<http://catalog.ncsu.edu/graduate/graduate-handbook/withdrawal-university/>)
- 3.17 Grades (<http://catalog.ncsu.edu/graduate/graduate-handbook/grades/>)
- 3.18 Graduate Courses (<http://catalog.ncsu.edu/graduate/graduate-handbook/courses/>)
- 3.19 Academic Difficulty (<http://catalog.ncsu.edu/graduate/graduate-handbook/academic-difficulty/>)
- 3.20 Graduation (<http://catalog.ncsu.edu/graduate/graduate-handbook/graduation/>)
- 3.21 Diplomas (<http://catalog.ncsu.edu/graduate/graduate-handbook/diplomas/>)
- 3.22 University Patent Agreement and Copyright Procedures (<http://catalog.ncsu.edu/graduate/graduate-handbook/university-patent-agreement-copyright-procedures/>)
- 3.23 Release of Student Information (<http://catalog.ncsu.edu/graduate/graduate-handbook/release-student-information/>)
- 3.24 Schedule of Required Documents (<http://catalog.ncsu.edu/graduate/graduate-handbook/schedule-required-documents/>)
- 4.1 Assistantships, Fellowships, Traineeships, and Grants (<http://catalog.ncsu.edu/graduate/graduate-handbook/assistantships-fellowships-traineeships-grants/>)
- 4.2 RA and TA Appointments (<http://catalog.ncsu.edu/graduate/graduate-handbook/ra-ta-appointments/>)
- 5.1 Discipline and Grievance Procedures (<http://catalog.ncsu.edu/graduate/graduate-handbook/discipline-grievance-procedures/>)