

MASTER OF LANDSCAPE ARCHITECTURE

PROGRAM GUIDE
2021-2022



NC STATE Design

/ PROGRAM MISSION AND GOALS

OUR MISSION IS TO INVESTIGATE AND ADVANCE LANDSCAPE-FOCUSED SOLUTIONS TO SOCIAL AND ENVIRONMENTAL DESIGN IMPERATIVES.

The academic goals of the program are to prepare students to:

- GOAL 1** Master the appropriate design and planning skills required to be a practicing professional, recognizing the aim of the department is to create transdisciplinary thought leaders and advocates, guided by a passion for lifelong learning.
- GOAL 2** Transfer theoretical and applied knowledge through engaged processes and problem types as appropriate for landscape architecture and planning.
- GOAL 3** Advance diversity, equity, inclusion, and cultural competency through the academic experience.
- GOAL 4** Build upon the department's history of strong academic and practice-based leadership spanning environmental and social imperatives, emphasizing transformational actions and impacts.
- GOAL 5** Develop, nurture, and sustain internal and external partnerships that advance the department's vision, including a focus on preserving the department's climate of collegiality.

/ WELCOME FROM THE DEPARTMENT HEAD

Thank you for your interest in the nationally ranked North Carolina State University Master of Landscape Architecture (MLA) program! Our fully accredited program prepares graduate students for the rigors of professional practice, research, leadership, and community engagement. Students combine critical design thinking talents with intelligence, creativity, and passion to address diverse landscape architecture imperatives.

Our community of faculty and students are passionate about a broad range of topics including: resilient landscapes, social and cultural equity in design, sustainable agriculture, natural learning landscapes, green infrastructure, ecological design, cultural landscapes, international design, and coastal resilience. **We are a STEM designated MLA program.** The CIP Code of the NC State University Landscape Architecture and Environmental Planning program is officially changed. This will allow our international graduates to engage in Optional Practical Training (OPT) in the US for up to three years.

We offer three Master of Landscape Architecture (MLA) Curricula to students with diverse educational backgrounds:

MLA Track III Curriculum First Professional LAAB Accredited Degree

81 credit hours

The LAAB Accredited Track III curriculum is intended for graduate students with undergraduate degrees in fields other than landscape architecture, architecture or related design fields.

MLA Track II Curriculum First Professional LAAB Accredited Degree, Advanced Placement Track

63-69 credit hours

This curriculum is designed for graduate students with prior degrees in landscape architecture, architecture, or related design programs that are not LAAB accredited; also graduate students obtaining concurrent degrees in Architecture, Urban Design or Urban Planning.

MLA Track I Curriculum Post Professional Degree

30-48 credit hours

This curriculum is designed for graduate students with prior LAAB accredited degrees in landscape architecture

Note: This is not an LAAB Accredited Degree program.

Application information can be found at:

<https://design.ncsu.edu/admissions/graduate-admissions/masters-programs/>

Please feel free to contact me (mecalkin@ncsu.edu) or Carla Delcambre (cfdelcam@ncsu.edu), Director of the Graduate Program, if you have questions or would like to arrange a visit to our program.

MEG CALKINS, FASLA, SITES AP
Department Head + Professor
Landscape Architecture +
Environmental Planning



CURRICULA

TRACK III CURRICULUM MLA First Professional LAAB Accredited Degree

81 Credit Hours

The LAAB Accredited Track III curriculum is intended for graduate students with undergraduate degrees in fields other than landscape architecture, architecture or related design areas.

SUMMER			FALL		SPRING	
FIRST YEAR			LAR 501 (6)	Landscape Architecture Introduction Design Studio	LAR 502 (6)	Site Design+Environmental Planning Studio
			LAR 520 (3)	Environment and Culture	LAR 527 (3)	Landform, Grading, + Environmental Site Systems
			LAR 582.017-582.019 (3)	Intro to Adobe Suite, Intro to Autocad, Intro to 3D Modeling	LAR 582.001 (3)	LA History Graduate Seminar
			LAR 582.012 (2)	Landscape Architecture Immersion		
14 credit hours required			12 credit hours required			
SECOND YEAR	LAR 523 (2)	LA Plant Identification	LAR 503 (6)	Design Development + Construction Documentation Studio	LAR 506 (6) or LAR 507 (6) or LAR 508 (6)	Design + Build Studio or Advanced Topics Studio in LA + Env. Planning or Independent Project
	LAR 524 (2)	LA Planting Design	LAR 528 (3)	LA Construction Materials + Methods	LAR 550 (3)	LA Professional Practice
			LAR 517 (3)	GIS Applications in Landscape Architecture + Env. Planning	LAR 540 (3)	Research Methods in Env. Design and LA
			Varies (3)	Free Elective(s)		
4 credit hours required			12 credit hours required + 3 free electives		12 credit hours required	
THIRD YEAR	Open for free electives		LAR 507 (6)	Advanced Topics Studio in LA + Env. Planning	LAR 506 (6) or LAR 507 (6) or LAR 508 (6)	Design + Build Studio or Advanced Topics Studio in LA + Env. Planning or Independent Project
			LAR 534 (3)	LA Theory + Criticism	LAR 545 (3)	City Planning + Design
			Varies (3)	Free Elective(s)	Varies (3)	Free Elective(s)
9 credit hours required + 3 free electives			9 credit hours required + 3 free electives			

Bold denotes a design studio. LAR 501 and 502 must be taken in sequence and are prerequisites for all other studios.

ELECTIVE COURSES OFFERED BY THE DEPARTMENT OF LANDSCAPE ARCHITECTURE

- LAR 535 Environmental Social Equity and Design, Professor Kofi Boone
LAR 543 Introduction to Landscape Performance and Metrics, Professor Emily McCoy
LAR 544 Contemporary Issues in Landscape Preservation, Professor Rodney Swink
LAR 546 Landscape Imperative, Professor Chuck Flink
LAR 582.002 Disaster Resilient Policy, Engineering, and Design, Professor Gavin Smith
LAR 582.005 Natural Hazards, Disasters and Climate Change Adaptation Lecture Series, Professor Gavin Smith
LAR 582.008 Survey of Natural Hazards and Disasters, Professor Gavin Smith
LAR 582.011 Computational / Parametric Modeling using Rhino, Lecturer Austin Bowman
LAR 582.015 Drawing and Walking, Professor Fernando Magallanes
LAR 582.020 Drafting Fundamentals, Lecturer Austin Bowman
LAR 582.003 Design for Resilient Food Systems, Professor Erin White

TRACK II CURRICULUM MLA First Professional LAAB Accredited Degree, Advanced Placement Track

63-69 credit hours*

This curriculum is designed for graduate students with prior degrees in landscape architecture, architecture, or related design programs that are not LAAB accredited; also graduate students obtaining concurrent degrees in Architecture, Urban Design or Urban Planning.

**IMPORTANT NOTE: This is a sample curriculum. The actual required courses, number of studios (either 4 or 5), and credit hours will be determined based on evidence of work from the individual student's undergraduate degree, and a portfolio review after completion of the first semester in the NCSU MLA program.*

SUMMER			FALL		SPRING	
FIRST YEAR			LAR 501 (6)	Landscape Architecture Introduction Design Studio	LAR 502 (6)	Site Design +Environmental Planning Studio
			LAR 520 (3)	Environment and Culture	LAR 527 (3)	Landform, Grading, + Environmental Site Systems
			LAR 517 (3)	GIS Applications in Landscape Architecture + Env. Planning	LAR 582.001 (3)	LA History Graduate Seminar
			LAR 582.012 (2)	Landscape Architecture Immersion		
14 credit hours required			12 credit hours required			
SECOND YEAR	LAR 523 (2)	LA Plant Identification	LAR 503 (6)	Design Development + Construction Documentation Studio or Advanced Topics Studio	LAR 506 (6) or LAR 507 (6) or LAR 508 (6)	Design + Build Studio or Advanced Topics Studio in LA + Env. Planning or Independent Project
	LAR 524 (2)	LA Planting Design	LAR 528 (3)	LA Construction Materials + Methods	LAR 550 (3)	LA Professional Practice
			Varies (3)	Free Elective(s)	LAR 545 (3)	City Planning + Design
					LAR 540 (3)	Research Methods in Env. Design and LA
4 credit hours required			9 credit hours required + 3 free electives		15 credit hours required	
THIRD YEAR	Open for free electives		LAR 507 (6)	LA Advanced Topics Studio		
			LAR 534 (3)	LA Theory + Criticism		
			Varies (3)	Free Elective(s)		
9 credit hours required + 3 free electives						

Bold denotes a design studio. LAR 501 and 502 must be taken in sequence and are prerequisites for all other studios.

TRACK I CURRICULUM MLA Post Professional Degree

This curriculum is designed for graduate students with prior LAAB accredited degrees in landscape architecture.

CURRICULUM A // This program is for graduate students with an LAAB Accredited degree in landscape architecture who are not licensed landscape architects. *Note: This is not an LAAB Accredited Degree program.*

48 Credit Hours

Studios // 18 credit hours + Seminars // 30 credit hours

CURRICULUM B // This program is for graduate students with an LAAB Accredited degree in landscape architecture who are licensed landscape architects.

30 Credit Hours

LAR 540	Research Methods in Env. Design and LA	3 credit hours
LAR 508	LAR Design Research Project	3 credit hours
Varies	Curriculum area, advised and/or free electives	24 credit hours

LAR 501 LANDSCAPE ARCHITECTURE INTRODUCTION DESIGN STUDIO

Introduction to landscape architectural design thinking processes and applications that include: site analysis, post occupancy user studies, programming, site planning, elementary site grading, graphic representation (drawing, model making, digital graphics), verbal communication, and criticism and reflection.



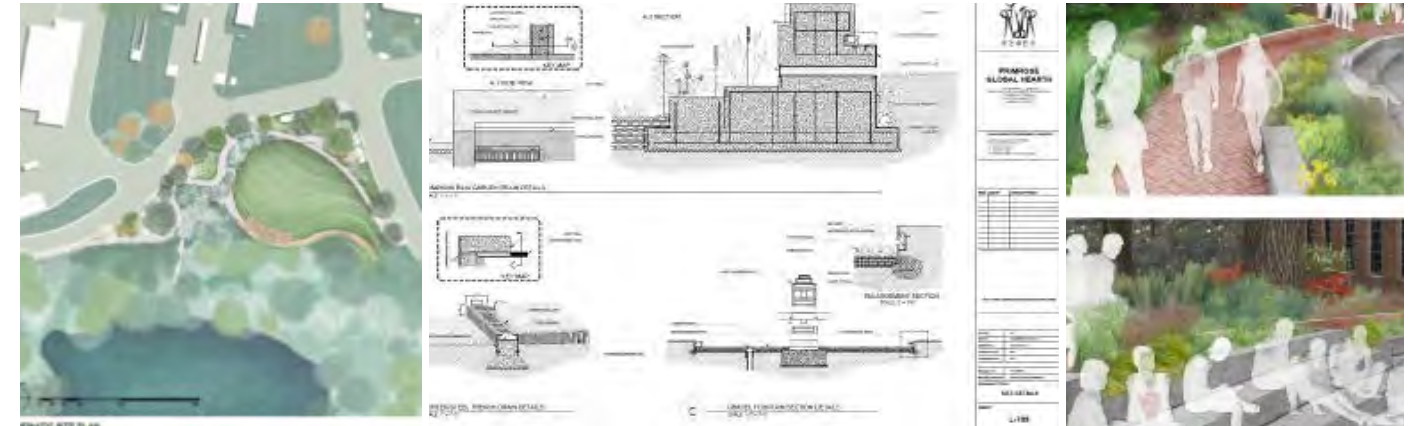
LAR 502 SITE DESIGN + ENVIRONMENTAL PLANNING STUDIO

Strategies, principles, and methods for designing and evaluating resilient ways and means to fit an intensive development program(s) on challenging, regionally specific sites. This design studio is integrally linked with LAR 527- Landform, Grading and Site Systems.



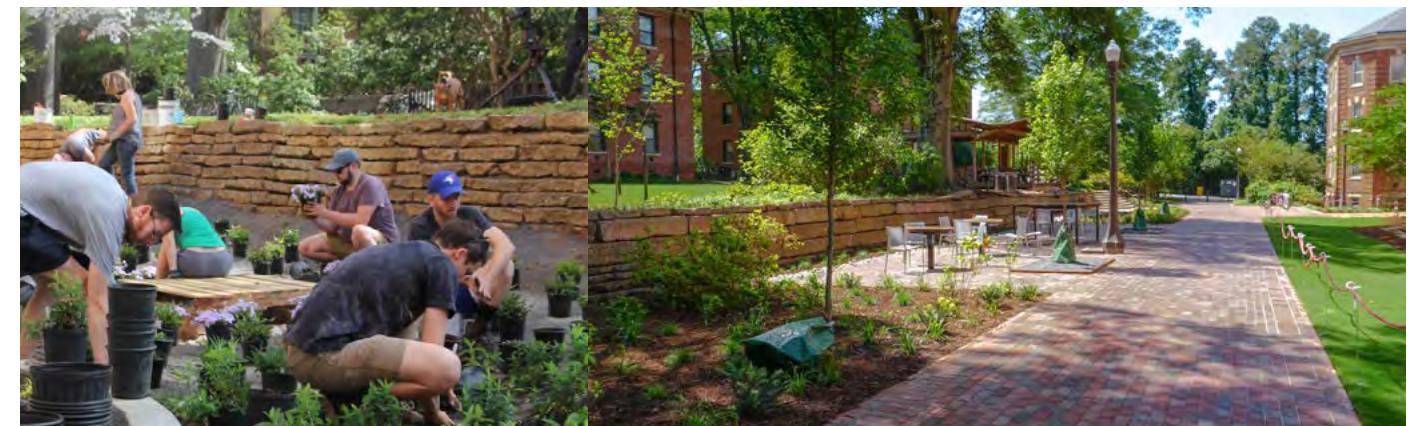
LAR 503 DESIGN DEVELOPMENT + CONSTRUCTION DOCUMENTATION STUDIO

Site planning design refinement from conceptual schematic design through to the preparation of technical landscape architectural construction plans and details.



LAR 506 DESIGN + BUILD STUDIO

Design and construction implementation of sustainable construction practices for a low impact landscape system installation that responds to degraded environmental conditions.



STUDIOS

LAR 507 ADVANCED TOPICS STUDIOS IN LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING

Advanced engagement, emphasizing research, development and application of experimental and best practices, on current and emerging landscape architectural and environmental planning topics of increased complexity. LA Advanced Topics Studios integrate, apply, and reinforce materials including history and theory, site works, modeling and representation, research methods, environmental analysis, and professional practice delivered in LAR subject area courses. Typical offerings include:.

CITY DESIGN



FOOD SYSTEMS



COASTAL DYNAMICS



CERTIFICATES

Graduate Certificate Programs that are specifically targeted for landscape architecture students are:

DISASTER RESILIENT POLICY, ENGINEERING AND DESIGN CERTIFICATE

The imperative motivating the Graduate Certificate in Disaster Resilient Policy, Engineering and Design is to educate the next generation of practitioners and scholars to apply knowledge gained in the classroom and in the field to reduce the rise in disaster losses and assist communities to adapt to a changing climate.

CITY DESIGN CERTIFICATE

The Graduate Certificate in City Design focuses on design at the scale of the city, and within neighborhoods and urban districts. Studios and seminars focus on the, challenges, and opportunities facing communities and cities in the 21st century, with a particular emphasis upon principles of sustainability and urban ecology.

PUBLIC INTEREST DESIGN CERTIFICATE

Public Interest Design (PID) is a participatory and issue-based design practice that places emphasis on the "triple bottom line" of sustainable design that includes environmental, economic, and social challenges across the world. PID seeks to broaden access to the benefits of sustainable design to all.

Graduate Certificate Programs offered in GIS, Public Policy, and Horticultural Science may be of particular interest. Please visit the Graduate School website for more information:

<https://grad.ncsu.edu/faculty-and-staff/program-development/graduate-certificate-programs/>

CONCURRENT DEGREES

MASTER OF ARCHITECTURE (NC SU)

Landscape architecture students have the opportunity to earn a dual degree in both landscape architecture and architecture in either 3 or 4 years depending on experience.

MASTER OF CITY AND REGIONAL PLANNING (UNC CHAPEL HILL)

NC State's landscape architecture students can combine their landscape architecture education with studies at UNC Chapel Hill to pursue a dual degree in city and regional planning. You must apply and be admitted separately to each program. Students may apply to both programs at once or may choose to apply to a second program during the fall of their first semester.

FUNDING

NCSU GRADUATE STUDENT FINANCIAL AID AND RESOURCES

MLA Students can apply for Teaching and Research Assistantships with faculty in the Department of Landscape Architecture + Environmental Planning. Teaching assistants are involved in the process of developing course syllabi, course materials, delivery, grading, and other tasks assigned by the instructor. Research assistants are responsible for a wide variety of tasks related to research, scholarship and engagement activities of faculty members.

There are three kinds of teaching and research assistantships:

SIMPLE PAID ASSISTANTSHIP:

- Assigned to work with a specific class and instructor
- Paid a flat rate based on predetermined number of hours
- No academic credit for the course

GRADUATE STUDENT SUPPORT PLAN (GSSP):

- Assigned to work with both a specific class/instructor and the department/department head
- Paid a flat rate based upon a predetermined number of hours worked per week
- Receives tuition for the semester (fees not included)
- Receives health care benefits
- No academic credit for the course

MASTER'S SUPERVISED TEACHING:

- TA registers for LAR 685, Master's Supervised Teaching
- Not paid
- Acquires teaching experience under the mentorship of a faculty member who assists the student in planning for the teaching assignment
- Faculty member observes and provides feedback to the student during the teaching assignment, and evaluates the student upon completion of the semester
- Academic credit is documented on the official transcript

Substitute this text for for this paragraph: If you are interested in learning more about teaching or research assistantships within the Department of Landscape Architecture and Environmental Planning, please contact the specific faculty member or Department Head, Meg Calkins.

LANDSCAPE ARCHITECTURE SCHOLARSHIPS

The Landscape Architecture and Environmental Planning Department offers multiple academic scholarships to qualified applicants. Additionally, there are many fellowships, scholarships and funding opportunities available from outside sources. The NCSU Graduate School provides links to national listings at:

<https://grad.ncsu.edu/students/fellowships-and-grants/national/>

ADMISSIONS

ACADEMIC QUALIFICATIONS

Minimum 3.0 GPA from all previous study at the college level. Graduate Landscape Architecture applicants with an undergraduate GPA of less than 3.0 will be considered and conditional acceptance must be approved by the Graduate School.

FOR INTERNATIONAL STUDENTS

Acceptable minimum online TOEFL score (combined score of 80 and at least 18 on each individual component);

OR minimum IELTS score for international students (overall band score of at least 6.5 in each individual component).

International students with at least one year of full-time study at a four-year US College or university do not have to submit TOEFL and/or IELTS scores.

GRE Scores are not required.

APPLICATION FEE

A fee of \$75 for US applicants (\$85 for international applicants) is due at the time of application.

No admissions decisions will be made on the basis of email correspondence.

All applicants must use the online system and provide the following:

- ✓ **Personal Statement** stating career objectives, prior experience, intention of graduate study, and their relevance to the selected program at NC State University.
- ✓ **A portfolio** of work. Portfolio should demonstrate applicant's intelligence, creative potential, passion for landscape architecture and design, and breadth of experience through a collection of graphic, photographic, and written material. Portfolio should be submitted as a reduced file size PDF.
- ✓ **Uploaded unofficial transcripts** for each institution attended (official transcripts will be required if admitted).
- ✓ **Three uploaded letters of recommendation** from people who know your academic record.
- ✓ **TOEFL or IELTS scores for international students only** (TOEFL institution code for NC State is 5496).
- ✓ **Residency statement for US citizens only** (<http://go.ncsu.edu/NCRRes>).
- ✓ **Personal resume** (include under "PDF Documents" in the online system).

FACULTY



DEEPTI ADLAKHA
DIRECTOR, NLI,
ASSOCIATE PROFESSOR
dadlahka@ncsu.edu



AUSTIN BOWMAN, ASLA
LECTURER
atbowman@ncsu.edu



MADALYN BALDWIN, ASLA
RESEARCH ASSOCIATE
mebaldw2@ncsu.edu



KOFI BOONE, FASLA
PROFESSOR
kofi_boone@ncsu.edu



MEG CALKINS, FASLA, SITES AP
DEPARTMENT HEAD
PROFESSOR
mecalkin@ncsu.edu



NILDA COSCO, PHD
DIRECTOR OF PROGRAMS, NLI
ASSOCIATE PROFESSOR
nilda_costco@ncsu.edu



CARLA DELCAMBRE, ASLA, PLA
DIRECTOR OF GRADUATE PROGRAM
ASSOCIATE PROFESSOR
cdfelcam@ncsu.edu



M. ELEN DEMING DDES, FASLA
DIRECTOR, DOCTOR OF DESIGN
PROFESSOR
medeming@ncsu.edu



NIKKI EVANS
UNIVERSITY PROGRAM
ASSISTANT
anevans3@ncsu.edu



CHARLES A. FLINK II, FASLA
PROFESSOR OF THE PRACTICE
caflink@ncsu.edu



ANDREW FOX, FASLA, PLA
CO-DIRECTOR, CDDL
PROFESSOR
andrew_fox@ncsu.edu



MARK ELISON HOVERSTEN, PHD
DEAN, COLLEGE OF DESIGN
PROFESSOR
mark_hoversten@ncsu.edu



DANIEL A. HOWE, FASLA, AICP
ASSIST. PROFESSOR
OF THE PRACTICE
dahowe@ncsu.edu



TRAVIS KLONDIKE, ASLA
RESEARCH ASSOCIATE, CDDL
ASSIST. PROF. OF THE PRACTICE
tmklondi@ncsu.edu



FERNANDO MAGALLANES
ASLA, PLA
ASSOCIATE PROFESSOR
f_magallanes@ncsu.edu



EMILY MCCOY, ASLA, PLA
ASSOCIATE PROFESSOR
OF THE PRACTICE
ermccoy@ncsu.edu



BENJAMIN MONETTE, ASLA, PLA
ASSIST. PROFESSOR
OF THE PRACTICE
bjmonett@ncsu.edu



ROBIN MOORE, HON. ASLA
FOUNDER NLI
PROFESSOR
robin_moore@ncsu.edu



CELEN PASALAR, PHD
ASSOCIATE PROFESSOR
celen_pasalar@ncsu.edu



JULIETA SHERK
PROFESSOR
jtsherk@ncsu.edu



GAVIN SMITH, PHD, AICP
PROFESSOR
gsmith5@ncsu.edu



RODNEY SWINK, FASLA, PLA
PROFESSOR OF THE PRACTICE
rswink@ncsu.edu



JESSE TURNER, PLA
ASSIST. PROFESSOR OF THE PRACTICE
jturner@ncsu.edu



RALEIGH AND THE TRIANGLE AREA

The Triangle Area is a wonderful place to live, work and study. Long known as a “city in a park,” Raleigh, N.C., boasts a lushly planted environment and many offerings for outdoor recreation – more than 10,000 acres of parkland. The Triangle area is also growing and brimming with culture and opportunities to explore. Home to major sports arenas and outdoor amphitheaters, performing arts theaters, top-notch cultural institutions and museums, award-winning restaurants, and scenic surroundings, the Triangle area is rich in technology, research, culture, and diversity.

With festivals such as the Hopscotch Music Festival, SparkFest, Moogfest, and several free festivals offered throughout the year in the area, there is something for everyone’s unique interests. A variety of galleries and museum’s offer the chance to explore and find inspiration. The North Carolina Museum of Art is one of the premier visual arts museums in the Southeast, and is unique in it’s integration of art into the landscape.

There are a growing number of ways to easily travel to and through many of the area’s attractions. Utilize one of the bike share programs, hop on a scenic greenway (Raleigh is home to over 180 miles), take the bus, or take the Amtrak train from the stunning new Raleigh Union Station. You are only a few hours away from both the beach and mountains. There is so much to explore and we can hardly wait to welcome you!



CONNECT WITH US



design.ncsu.edu



facebook.com/NCStateDesign



instagram.com/NCStateDesign



instagram.com/NCSTATELAR

NC STATE UNIVERSITY