# Department of Landscape Architecture and Environmental Design

**Department Head: Professor Anne Spafford**
Office: Landscape Architecture Facility C103

Department of Landscape Architecture and Environmental Design curricula focus on connecting art, culture, and the environment to provide society with places that people love and that are holistically and ecologically planned, designed and managed. Students explore subjects such as the design process, storm water design, energy flow, native landscapes and plant materials, green infrastructure, sustainability, community planning, and regional planning. An undergraduate student may major in Landscape Architecture, Landscape Contracting and Management, or pursue a dual degree path where students concurrently work toward bachelor degrees in both programs.

A graduate program in Landscape Architecture is also offered in the Department of Landscape Architecture and Environmental Design. Consult the Graduate Bulletin for additional details.

## BLA in Landscape Architecture

Major Advisor: Associate Professor Jason Walker

### Landscape Architecture Major

The profession of landscape architecture offers students the opportunity to engage in shaping the environmental and cultural landscape through planning and design to improve quality of life. The Mississippi State University Bachelor of Landscape Architecture (BLA) program teaches the artful synthesis of social and ecological processes related to planning, designing, building and managing regenerative communities in Mississippi and the Northern Gulf Region, within a global perspective. Students enrolled in the BLA program experience an immersive, intense, and rewarding education structured around a studio environment that promotes critical thinking and creative problem solving. The department delivers a high-quality education for our students, through small class sizes and one-on-one interaction between student and faculty. The MSU Department of Landscape Architecture's teaching philosophy is rooted in the cultural and ecological phenomena that constitute our placed-based educational approach to empower student learning. Students in the BLA program cultivate their knowledge, skills, and competencies in a context specific environment across multiple-scales including the site, community, urban, and regional settings.

Our BLA program is the only accredited Bachelor of Landscape Architecture degree program in Mississippi. The BLA is a Landscape Architectural Accreditation Board (LAAB) accredited professional degree program. The LAAB evaluates a program based on its stated objectives and compliance to externally mandated minimum standards and accredits professional degrees at the bachelor’s and master’s levels in the United States. Our BLA program prepares students to pursue careers in landscape architecture in design offices, public practice, not-for-profits and primes students for graduate studies in allied professions. In addition, our department offers a Bachelor of Science in Landscape Contracting and Management that students in the BLA program can pursue simultaneously. Landscape Architecture is a licensed profession. The typical path to licensure includes successful completion of an accredited landscape architecture program, 2-4 years of work experience, then passing the four-part Landscape Architect Registration Examination (LARE).

### Curriculum

The four-year BLA curriculum provides the foundational framework for a career in landscape architecture. The coursework involves knowledge acquisition, skill development, and the ability to demonstrate competency through the design process. The first year of the program introduces the student to relevant history, theory and criticism, plants and cultural systems, and digital and traditional communication applications. The second year begins the Design and Construction sequence.

The design studio is at the core of the professional program. The professional studio sequence includes six (6) landscape architecture design studios, Design I-V and Landscape Architecture Capstone Studio. Capstone is the climax studio, where students pursue individual or specialized interests through the development of a semester long project. The construction sequence consists of four (4) courses, Construction I-III, and V. The studio and construction sequence addresses the design, planning and management of the landscape at multiple scales through the application of the design process.

In years two and three of the program, each student shall participate in two department led field trips. The field trips are a critical component of the professional curriculum and provide opportunities for students to study, explore, and experience significant works of landscape architecture in the United States and around the world.

The remainder of the required courses in the curriculum addresses professional practice, public policy and regulation, and professional values and ethics. Finally, year four students choose three (3) LA elective hours and ten (10) elective hours of coursework to meet each student's own objectives that lead to a well-rounded university education.

At the successful completion of the fourth year, students receive the professional degree of Bachelor of Landscape Architecture (BLA).

## Standards and Requirements

All students in Landscape Architecture are required to have their own personal computer. Students should check with the department for equipment specifications prior to purchasing.

Landscape Architecture requires that a grade of “C” or better is required to fulfill a Major Core Requirement.

The department reserves the right to retain student work for the purpose of records, exhibition, instruction, and accreditation.

In addition to University policies, all students enrolled in this curriculum shall be required to abide by all approved departmental policies.

## General Education Requirements

| | | |
|---|---|---|
| **English Composition** | | |
| EN 1103 | English Composition I | 3 |
| or EN 1104 | Expanded English Composition I | |
| EN 1113 | English Composition II | 3 |
| or EN 1173 | Accelerated Composition II | |
| **Creative Discovery** | | |
| ARC 1013 | Architectural Appreciation | 3 |
| or ART 1113 | Art Appreciation | |
| **Humanities** | | |
| Select from General Education courses | | 6 |
| **Social/Behavioral Sciences** | | |
| Select from General Education courses | | 6 |
| **Quantitative Reasoning** | | |
| Select from General Education courses | | 3 |
| **Natural Sciences** | | |
| Select from General Education courses | | 6 |
| ENS 2103 | Introduction to Environmental Science | 3 |

## Degree Requirements

| | | |
|---|---|---|
| **Major Core** | | |
| ART 1123 | Design I | 3 |
| PSS 2423 | Plant Materials I | 3 |
| LA 1153 | Introduction to Landscape Architecture | 3 |
| LA 1223 | Use of Computers in Landscape Architecture | 3 |
| LA 1333 | Landscape Systems and Plant Communities | 3 |
| LA 1423 | History of Landscape Architecture | 3 |
| LA 1533 | Presentation Methods and Media | 3 |
| LA 1701 | Landscape Professional Career Paths Seminar | 1 |
| LA 2544 | Landscape Architecture Construction I: Materials | 4 |
| LA 2554 | Landscape Architecture Design Studio I | 4 |
| LA 2652 | Landscape Architecture Precedent Studies | 2 |
| LA 2644 | Construction II: Grading | 4 |
| LA 2654 | Landscape Architecture Design II: Neighborhood Context | 4 |
| LA 3534 | Landscape Architecture Construction III - Hydrology | 4 |
| LA 3554 | Landscape Architecture Design III - Small Town/Rural Context | 4 |
| LA 3623 | Urban Planning Theory | 3 |
| LA 3652 | Case Studies of Executed Works in Landscape Architecture | 2 |
| LA 3653 | Planting Design Fundamentals in Landscape Architecture | 3 |
| LA 3654 | Landscape Architecture Design IV: Urban Design | 4 |
| LA 4124 | Landscape Architecture Construction V: Construction Documents | 4 |
| LA 4723 | Professional Practice of Landscape Architecture | 3 |

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|---|---|---|
| LA 4754 | Design V-Regional | 4 |
| LA 4843 | Sustainable Communities | 3 |
| LA 4854 | Landscape Architecture Capstone Studio | 4 |
| LA Elective | | 3 |
| Electives | | 10 |
| **Oral Communication Requirement** | | |
| Satisfied by successful completion of LA 4854 | | |
| **Writing Requirement** | | |
| Satisfied by successful completion of LA 4723 | | |
| **Computer Literacy** | | |
| Satisfied by successful completion of LA 1223 | | |
| **Total Hours** | | **124** |

# BS in Landscape Contracting and Management

Major Advisor: Dr. Timothy Schauwecker

## Landscape Contracting and Management Major (LAC)

A landscape contractor is a specialty contract professional who provides the expertise, materials and services needed to make the landscape design project become a reality; and/or to provide the management expertise needed to keep the project in prime condition after construction implementation.

The Landscape Contracting and Management degree program at Mississippi State University, accredited by the National Association of Landscape Professionals (NALP), requires three internships which involve three semesters of experiential learning and field experience with an approved landscape contracting company or agency; and, under supervision of a qualified supervisor and oversight of Mississippi State University faculty. In addition, two departmental field trips are specific curriculum requirements for this degree. A field trip fee will be assessed to specific courses. Upon successful completion of curriculum requirements, a student receives a Bachelor of Science degree in Landscape Contracting and Management.

All students in Landscape Contracting and Management are required to have their own personal computer. Students should check with the department for equipment specification prior to purchasing.

In as much as the published Bulletin of Mississippi State defines a letter grade of “D” as poor, The Department of Landscape Architecture requires that a grade of “C” or better is required to fulfill a major core requirement.[1]

The department reserves the right to retain student work for the purpose of records, exhibition, instruction, industry review, etc. In addition to Mississippi State University policies, all students enrolled in this curriculum shall be required to abide by all approved departmental policies.

A Landscape Contracting and Management student can choose from two concentrations: Landscape Business Management or Ecosystem Management.

[1] As published in the Department of Landscape Architecture policy manual.

General Education Requirements

| | | |
|---|---|---|
| **English Composition** | | |
| EN 1103 | English Composition I | 3 |
| or EN 1104 | Expanded English Composition I | |
| EN 1113 | English Composition II | 3 |
| or EN 1173 | Accelerated Composition II | |
| **Creative Discovery** | | |
| Select from General Education courses | | 3 |
| **Humanities** | | |
| FLS 1113 | Spanish I | 3 |
| FLS 1123 | Spanish II | 3 |
| **Social/Behavioral Sciences (vary by concentration)** | | **6** |
| Required for Landscape Business Management concentration: | | |
| EC 2113 | Principles of Macroeconomics | |
| EC 2123 | Principles of Microeconomics | |

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|---|---|---|
| or AEC 2713 | Introduction to Food and Resource Economics | |
| Required for Ecosystem Management concentration: | | 6 |
| SO 1003 | Introduction to Sociology | |
| EC 2123 | Principles of Microeconomics | |
| or AEC 2713 | Introduction to Food and Resource Economics | |
| **Quantitative Reasoning** | | |
| ST 2113 | Elementary Statistics | 3 |
| or MA 2113 | Elementary Statistics | |
| **Natural Sciences** | | |
| CH 1043 | Survey of Chemistry I | 3 |
| PSS 3303 | Soils | 3 |
| PSS 3301 | Soils Laboratory | 1 |

Degree Requirements

| | | |
|---|---|---|
| **Major Core** | | |
| LA 1153 | Introduction to Landscape Architecture | 3 |
| LA 1223 | Use of Computers in Landscape Architecture | 3 |
| LA 1333 | Landscape Systems and Plant Communities | 3 |
| LA 1533 | Presentation Methods and Media | 3 |
| LA 1701 | Landscape Professional Career Paths Seminar | 1 |
| LA 1711 | Landscape Contracting Internship I | 1 |
| LA 2711 | Landscape Contracting Internship II | 1 |
| LA 2544 | Landscape Architecture Construction I: Materials | 4 |
| LA 2644 | Construction II: Grading | 4 |
| LA 3653 | Planting Design Fundamentals in Landscape Architecture | 3 |
| LA 3701 | Landscape Contracting Seminar II | 1 |
| LA 3711 | Landscape Contracting Internship III | 1 |
| LA 3721 | Landscape Contracting Field Trip I | 1 |
| LA 4344 | Landscape Architecture Construction IV | 4 |
| LA 4701 | Landscape Contracting Seminar III | 1 |
| LA 4721 | Landscape Contracting Field Trip II | 1 |
| LA 4724 | Landscape Contracting II | 4 |
| LA 4753 | Sustainable Landscape Management | 3 |
| EPP 3423 | Ornamental and Turfgrass Insects | 3 |
| PSS 2113 | Introduction to Turfgrass Science | 3 |
| PSS 2423 | Plant Materials I | 3 |
| PSS 3133 | Introduction to Weed Science | 3 |
| PSS 3473 | Plant Materials II | 3 |
| PSS 4353 | Arboriculture and Landscape Maintenance | 3 |
| ACC 2013 | Principles of Financial Accounting | 3 |
| ACC 2023 | Principles of Managerial Accounting | 3 |
| **Oral Communication Requirement** | | |
| CO 1003 | Fundamentals of Public Speaking | 3 |
| or CO 1013 | Introduction to Communication | |
| **Writing Requirement** | | |
| LA 4723 | Professional Practice of Landscape Architecture | 3 |

**Choose one of the following concentrations:**

## Landscape Business Management (LBM)

Science Requirement (Natural Sciences Gen Ed)

| | | |
|---|---|---|
| BIO 1023 | Plants and Humans | 3 |
| or PSS 1313 | Plant Science | |

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|---|---|---|
| MGT 3323 | Entrepreneurship | 3 |
| or MGT 3113 | Principles of Management | |
| MGT 3513 | Introduction to Human Resource Management | 3 |
| MKT 3013 | Principles of Marketing | 3 |
| BL 3223 | The Law of Commercial Transactions | 3 |
| or BL 2413 | The Legal Environment of Business | |
| Free Electives | | 6 |
| **Total Hours for degree** | | **124** |

## Ecosystem Management (EM)

| | | |
|---|---|---|
| Science Requirement (Natural Sciences Gen Ed) | | |
| BIO 1134 | Biology I | 0,4 |
| ENS 2103 | Introduction to Environmental Science | 3 |
| ENS 2101 | Introduction to Environmental Science Laboratory | 1 |
| AEC 3233 | Introduction to Environmental Economics and Policy | 3 |
| AN 4173 | Environment and Society | 3 |
| or SO 4173 | Environment and Society | |
| BIO 3104 | Ecology | 0,4 |
| Free Electives | | 3 |
| **Total Hours for degree** | | **124** |

## BS in Environmental Sciences in Agricultural Systems (ESAS)

The Environmental Sciences in Agricultural Systems (ESAS) curriculum provides an educational foundation to prepare students for diversified careers focused on environmental issues related to agronomic and horticultural production. Students completing this curriculum are prepared for careers in national and international environmental agricultural consulting, government conservation agencies, teaching, and research. Required courses provide training in environmental sciences related to agricultural issues.

### General Education Requirements

| | | |
|---|---|---|
| **English Composition** | | |
| EN 1103 | English Composition I | 3-4 |
| or EN 1104 | Expanded English Composition I | |
| EN 1113 | English Composition II | 3 |
| or EN 1173 | Accelerated Composition II | |
| **Fine Arts** | | |
| Select from General Education courses | | 3 |
| **Humanities** | | |
| FLS 1113 | Spanish I | 3 |
| FLS 1123 | Spanish II | 3 |
| **Social/Behavioral Sciences** | | |
| AEC 2713 | Introduction to Food and Resource Economics | 3 |
| or EC 2113 | Principles of Macroeconomics | |
| or EC 2123 | Principles of Microeconomics | |
| Select additional course from General Education options | | 3 |
| **Mathematics** | | |
| ST 3123 | Introduction to Statistical Inference | 3 |
| or MA 1323 | Trigonometry | |
| **Natural Sciences** | | |
| BIO 1134 | Biology I | 0,4 |
| CH 1211 | Investigations in Chemistry I | 1 |
| or CH 1051 | Experimental Chemistry | |
| CH 1213 | Chemistry I | 3 |
| or CH 1043 | Survey of Chemistry I | |

## Degree Requirements

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|---|---|---|
| **Major Core** | | |
| ADS 1113 | Animal Science | 3 |
| AEC 1223 | Computer Applications for Agriculturists and Life Scientists | 3 |
| or AELC 4203 | Applications of Computer Tech to Agricultural Education, Leadership, and Communications | |
| BIO 1144 | Biology II | 0,4 |
| BIO 3304 | General Microbiology | 0-4 |
| or PSS 4314 | Microbiology and Ecology of Soil | |
| BIO 4214 | General Plant Physiology | 0-4 |
| or PSS 4113 | Agricultural Crop Physiology | |
| CH 1223 | Chemistry II | 3 |
| or CH 1053 | Survey of Chemistry II | |
| CH 2501 | Elementary Organic Chemistry Laboratory | 1 |
| CH 2503 | Elementary Organic Chemistry | 3 |
| ENS 2103 | Introduction to Environmental Science | 3 |
| GG 1111 | Physical Geology Labratory | 1 |
| GG 1113 | Physical Geology | 3 |
| GG 3613 | Water Resources | 3 |
| GR 3113 | Conservation of Natural Resources | 3 |
| PH 1113 | General Physics I | 0,3 |
| PO 3103 | Genetics I | 0-3 |
| or PSS 4493 | Plant Genetics | |
| PSS 1313 | Plant Science | 0,3 |
| PSS 3301 | Soils Laboratory | 1 |
| PSS 3303 | Soils | 3 |
| PSS 3423 | Agronomy Internship | 3 |
| or PSS 3433 | Horticulture Internship | |
| Agricultural Systems Electives | | 9 |
| Choose from the following: | | |
| PSS 3043 | Fruit Science | |
| PSS 3633 | Sustainable and Organic Horticulture | |
| PSS 4103 | Forage and Pasture Crops | |
| PSS 4123 | Grain Crops | |
| PSS 4133 | Fiber and Oilseed Crops | |
| PSS 4143 | Advanced Fruit Science | |
| PSS 4153 | Sustainable Agroecology | |
| PSS 4223 | Seed Production | |
| PSS 4343 | Controlled Environment Agriculture | |
| PSS 4363 | Sustainable Nursery Production | |
| PSS 4413 | Turfgrass Management | |
| PSS 4423 | Golf Course Operations | |
| PSS 4443 | Athletic Field Management | |
| PSS 4453 | Vegetable Production | |
| PSS 4473 | Hydroponic and Soilless Crop Production | |
| PSS 4613 | Floriculture Crop Programming | |
| Focus Area (pick one) | | 24 |
| **Oral Communication Requirement** | | |
| CO 1003 | Fundamentals of Public Speaking | 3 |
| AELC 3203 | Professional Writing in Agriculture, Natural Resources, and Human Sciences | 3 |
| **Total Hours** | | **124** |

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| **Focus Areas** | |
| complete 24 hours in one Focus Area | |
| **Soil and the Environment** | |
| ABE 4313 | Biological Treatment of Nonpoint Source Pollutants |
| ABE 2873 | Land Surveying |
| ABE 4263 | Soil and Water Management |
| BCH 4013 | Principles of Biochemistry |
| BIO 3104 | Ecology |
| BIO 4213 | Plant Ecology |
| BIO 4404 | Environmental Microbiology |
| CH 2311 | |
| CH 2313 | |
| GR 1604 | |
| GR 2313 | Maps and Remote Sensing |
| GR 3113 | Conservation of Natural Resources |
| GR 4303 | Principles of GIS |
| GR 4333 | Remote Sensing of the Physical Environment |
| GR 4343 | Advanced Remote Sensing in Geosciences |
| PSS 2543 | Precision Agriculture I |
| PSS 4000 | Directed Individual Study in Plant and Soil Sciences |
| PSS 4313 | Soil Fertility and Fertilizers |
| PSS 4314 | Microbiology and Ecology of Soil |
| PSS 4323 | Soil Classification |
| PSS 4333 | Soil Conservation and Land Use |
| PSS 4373 | Geospatial Agronomic Management |
| PSS 4383 | Agriculture Remote Sensing I |
| PSS 4393 | Agriculture Remote Sensing II |
| PSS 4543 | Precision Agriculture II |
| PSS 4553 | Plant Growth and Development |
| PSS 4603 | Soil Chemistry |
| PSS 4800 | Undergraduate Research in Plants & Soil Sciences |
| **Environmental Ag Consulting** | |
| EPP 2213 | Introduction to Insects |
| or EPP 3423 | Ornamental and Turfgrass Insects |
| or EPP 4154 | General Entomology |
| EPP 4113 | Principles of Plant Pathology |
| EPP 4163 | Plant Disease Management |
| EPP 4214 | Diseases of Crops |
| EPP 4234 | Field Crop Insects |
| EPP 4263 | Principles of Insect Pest Management |
| GR 1604 | |
| GR 2313 | Maps and Remote Sensing |
| GR 3113 | Conservation of Natural Resources |
| GR 4303 | Principles of GIS |
| GR 4313 | Advanced GIS |
| GR 4333 | Remote Sensing of the Physical Environment |
| GR 4343 | Advanced Remote Sensing in Geosciences |
| PSS 2423 | Plant Materials I |
| PSS 2543 | Precision Agriculture I |
| PSS 3133 | Introduction to Weed Science |
| PSS 3473 | Plant Materials II |
| PSS 3633 | Sustainable and Organic Horticulture |

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|---|---|
| PSS 3923 | Plant Propagation |
| PSS 4000 | Directed Individual Study in Plant and Soil Sciences |
| PSS 4353 | Arboriculture and Landscape Maintenance |
| PSS 4373 | Geospatial Agronomic Management |
| PSS 4383 | Agriculture Remote Sensing I |
| PSS 4393 | Agriculture Remote Sensing II |
| PSS 4463 | Community Food Systems |
| PSS 4543 | Precision Agriculture II |
| PSS 4553 | Plant Growth and Development |
| PSS 4633 | Weed Biology and Ecology |
| PSS 4813 | Herbicide Technology |
| PSS 4823 | Turfgrass Weed Management |
| PSS 4800 | Undergraduate Research in Plants & Soil Sciences |
| **Environmental Policy and Regulation** | |
| ABE 2873 | Land Surveying |
| ABE 4313 | Biological Treatment of Nonpoint Source Pollutants |
| ABE 4263 | Soil and Water Management |
| ACC 2013 | Principles of Financial Accounting |
| AEC 3133 | Introductory Agribusiness Management |
| AEC 3233 | Introduction to Environmental Economics and Policy |
| AEC 4413 | Public Problems of Agriculture |
| AEC 4243 | Natural Resource Economics |
| BCH 4013 | Principles of Biochemistry |
| BIO 3104 | Ecology |
| BIO 4213 | Plant Ecology |
| BIO 4404 | Environmental Microbiology |
| BL 4263 | Environmental Law |
| FO 4353 | Natural Resource Law |
| LA 4753 | Sustainable Landscape Management |
| LA 4843 | Sustainable Communities |
| PS 1113 | American Government |
| PS 2703 | Introduction to Public Policy |
| PS 4743 | Environmental Policy |
| PSS 2543 | Precision Agriculture I |
| PSS 3323 | |
| PSS 3633 | Sustainable and Organic Horticulture |
| PSS 4000 | Directed Individual Study in Plant and Soil Sciences |
| PSS 4043 | International Horticulture |
| PSS 4373 | Geospatial Agronomic Management |
| PSS 4463 | Community Food Systems |
| PSS 4543 | Precision Agriculture II |
| PSS 4800 | Undergraduate Research in Plants & Soil Sciences |
| **Environmental Conservation** | |
| ABE 2873 | Land Surveying |
| ABE 4313 | Biological Treatment of Nonpoint Source Pollutants |
| ABE 4263 | Soil and Water Management |
| BCH 4013 | Principles of Biochemistry |
| BIO 2113 | Plant Biology |
| BIO 3104 | Ecology |
| BIO 4203 | Taxonomy of Spermatophytes |
| BIO 4213 | Plant Ecology |
| BIO 4404 | Environmental Microbiology |

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|---|---|
| CH 2311 | |
| CH 2313 | |
| GR 1604 | |
| GR 2313 | Maps and Remote Sensing |
| GR 3113 | Conservation of Natural Resources |
| GR 4303 | Principles of GIS |
| GR 4313 | Advanced GIS |
| GR 4333 | Remote Sensing of the Physical Environment |
| GR 4343 | Advanced Remote Sensing in Geosciences |
| LA 4753 | Sustainable Landscape Management |
| LA 4843 | Sustainable Communities |
| PSS 2423 | Plant Materials I |
| PSS 2543 | Precision Agriculture I |
| PSS 3473 | Plant Materials II |
| PSS 3633 | Sustainable and Organic Horticulture |
| PSS 3923 | Plant Propagation |
| PSS 4463 | Community Food Systems |
| PSS 4553 | Plant Growth and Development |
| PSS 4000 | Directed Individual Study in Plant and Soil Sciences |
| PSS 4314 | Microbiology and Ecology of Soil |
| PSS 4323 | Soil Classification |
| PSS 4333 | Soil Conservation and Land Use |
| PSS 4353 | Arboriculture and Landscape Maintenance |
| PSS 4373 | Geospatial Agronomic Management |
| PSS 4383 | Agriculture Remote Sensing I |
| PSS 4393 | Agriculture Remote Sensing II |
| PSS 4463 | Community Food Systems |
| PSS 4543 | Precision Agriculture II |
| PSS 4553 | Plant Growth and Development |
| PSS 4800 | Undergraduate Research in Plants & Soil Sciences |

## Landscape Architectural Studies Minor

The Department of Landscape Architecture offers a minor in landscape architectural studies. The minor requires completion of 18 credit hours. Each student shall take a minimum of 14 credit hours of optional courses that include a minimum of six (6) credit hours of upper level courses (3000 or 4000). a maximum of six (6) credit hours count toward the minor that overlap with a student's major core curriculum. This overlap applies to LAC students and may apply to other CALS majors.

| Major/Minor Required Courses | | |
|---|---|---|
| LA 1701 | Landscape Professional Career Paths Seminar | 1 |
| LA 1423 | History of Landscape Architecture | 3 |
| Optional Courses | | |
| LA 1153 | Introduction to Landscape Architecture | |
| LA 1223 | Use of Computers in Landscape Architecture | |
| LA 1333 | Landscape Systems and Plant Communities | |
| LA 1433 | Landscape Architecture Creativity | |
| LA 1533 | Presentation Methods and Media | |
| LA 1803 | Landscape Architecture Appreciation | |
| LA 2453 | Site Inventory and Analysis | |
| LA 2544 | Landscape Architecture Construction I: Materials | |
| LA 2652 | Landscape Architecture Precedent Studies | |
| LA 2654 | Landscape Architecture Design II: Neighborhood Context | |
| LA 2644 | Construction II: Grading | |
| LA 3603 | Design of the Golf Environment | |

| | | |
|---|---|---|
| LA 3623 | Urban Planning Theory | |
| LA 3653 | Planting Design Fundamentals in Landscape Architecture | |
| LA 4113 | Design Theory and Criticism. | |
| LA 4344 | Landscape Architecture Construction IV | |
| LA 4463 | Community Food Systems | |
| LA 4514 | Ecological Planting Design | |
| LA 4653 | Study Abroad: Gardens and Urban Spaces | |
| LA 4753 | Sustainable Landscape Management | |
| LA 4843 | Sustainable Communities | |
| PSS 2423 | Plant Materials I | |
| **Total Hours** | | **18** |

## Environment and Sustainability Minor

The Environment and Sustainability Minor is a minimum 16-credit hour, multi-disciplinary program open to all undergraduate students in good standing. From accountants to zoologists, and all careers in between, this minor is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st century. It will also give students an opportunity to gain hands-on experience in an environmental area of interest. Students will study the technical aspects of issues such as climate change and energy, and learn how values, beliefs and policies affect how these issues are addressed. Students will also learn about sustainable practices and lifestyle choices that can reduce your own ecological footprint.

Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and either the Introduction to Environmental Science lab (ENS 2101), or the Environmental Science Practicum (ENS 4102), leaving 12 hours for the student to select from three broad categories: Humanities, Social Sciences, and Science & Engineering.

A minimum of 16 hours is required for the minor. ENS 2103 is to be taken by all students, along with either ENS 2101 or ENS 4102, leaving 12 hours the student chooses from a list of electives maintained by the ENS Advisory Committee. The student must take three hours from each of three categories mentioned above. The final course may be chosen from any category not directly related to his/her major. The list of elective options will be periodically reviewed by the ENS Advisory Committee to ensure the list of courses remains current. Courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee, and students should see the ENS Program Coordinator for the current list of electives. Relevant substitutions may be arranged with the approval of the ENS Program Coordinator.

### Course Work

| | | |
|---|---|---|
| ENS 2103 | Introduction to Environmental Science | 3 |
| ENS 2101 | Introduction to Environmental Science Laboratory | 1-2 |
| or ENS 4102 | Practicum | |
| Humanities Elective (see ENS Program Coordinator for list of approved electives) | | 3 |
| Social Sciences Elective (see ENS Program Coordinator for list of approved electives) | | 3 |
| Science and Engineering Elective (see ENS Program Coordinator for list of approved electives) | | 3 |
| Additional elective from any category not directly related to student's major | | 3 |
| **Total Hours** | | **16** |

For further information and enrollment forms, please contact the ENS minor program coordinator:

Professor Anne Spafford
Department Head, Landscape Architecture and Environmental Design
aspafford@lalc.msstate.edu