

DUAL DEGREE IN LANDSCAPE ARCHITECTURE / RIVER-COASTAL SCIENCE AND ENGINEERING, MLAN/MS

Overview

The mission of the dual interdisciplinary Master of Landscape Architecture (MLAN) - Master of Science in River-Coastal Science Engineering (MS RCSE) program is to advance innovative design research through interdisciplinary collaboration with scientists, engineers, and other designers; prepare students to understand complex landscape-based challenges and design strategies addressing urban and ecological systems; and engage the Gulf Coast Region as a global laboratory to explore alternative ways of living in a changing climate.

3.5-year curriculum

The 3.5-year curriculum is structured for students with an accredited baccalaureate degree in any field. The seven-semester curriculum begins with a summer semester, followed by six semesters that include core instruction to fulfill LAAB requirements in addition to elective studios and seminars.

Advanced Standing Option

At the Tulane University School of Architecture and Built Environment, we understand that each student's path to pursuing a Dual Master of Landscape Architecture and Master of Science in River-Coastal Science & Engineering (MLAN-MS RCSE) is unique. We therefore offer an Advanced Standing Portfolio Assessment option for applicants who have had previous education or experience in landscape architecture, engineering, or related fields. The Advanced Standing portfolio Assessment will constitute an opportunity to accelerate a student's progress toward the MLAN-MS RCSE degree. Applicants with relevant prior learning experiences and demonstrable architecture skills, can be evaluated and potentially reduce required courses in MLAN-MS RCSE degree path at Tulane.

Upon application to the MLAN-MS RCSE program, students may request an advanced standing evaluation of their portfolio, academic records, and previous course syllabi for admission with Advanced Standing. Qualified previous learning experiences may satisfy corresponding degree requirements in the MLAN-MS RCSE program. Such evaluations are conducted by a qualified faculty admissions committee, who carefully assess each instance of previous experience and correlate their findings to our degree requirements. If the committee determines that a student has indeed met these requirements, they will be granted advanced standing toward specific courses.

Advanced standing credit is recorded in each student's degree audit from their very first day in the program. This means that students can effectively shorten their required course load, allowing them to focus more deeply on areas where they seek further development, and/or shortening the total time needed to achieve the degree.

It is important to note that a minimum of 50% of the required degree credits must be taken in residence at Tulane to comply with the university's residency requirement policy. This equates to completing 55 credits of the MLAN-MS RCSE 110 required credit hours in residence, ensuring that while students can benefit from their prior experiences, they still engage meaningfully with the curriculum of the MLAN-MS RCSE program.

The possible courses for which advanced standing may be granted include, but are not limited to:

- EBIO 6030 Field Botany (4 c.h.)
- EBIO 6031 Field Botany Lab (0 c.h.)
- EBIO 6580 Urban Ecology (3 c.h.)
- EBIO 6590 Plant Biology and Adaptation (4 c.h.)
- EBIO 6591 Plant Biology & Adaptation Lab (0 c.h.)
- LAND 6011 Floodscapes Studio (6 c.h.)
- LAND 6031 Streetscapes Design Studio (6 c.h.)
- LAND 6032 Forest Urbanism and Waste Design Studio (6 c.h.)
- LAND 6051 Regional Climate Adaptation and Urbanism Research Studio (6 c.h.)
- LAND 6111 History of Landscape Architecture I (3 c.h.)
- LAND 6112 History of Landscape Architecture II (3 c.h.)
- LAND 6113 History of Landscape Architecture III (3 c.h.)
- LAND 6211 Landscape Building Technologies I (3 c.h.)
- LAND 6311 Digital Media I (3 c.h.)
- LAND 6312 Digital Media II (3 c.h.)
- LAND 6980 Thesis Research Methods (3 c.h.)
- LAND 6990 Thesis Studio (6 c.h.)

- RCSE 6060 The Role of Soils in Riparian Landscapes (3 c.h.)
- Electives in MLAN-MS RCSE program

Requirements

Course ID	Title	Credits
Societal Sequence		
LAND 6111	History of Landscape Architecture I	3
LAND 6112	History of Landscape Architecture II	3
LAND 6113	History of Landscape Architecture III	3
LAND 6512	Professional Practices and Concerns in Landscape Architecture	3
RCSE 7100	Seminar in River Coastal Science and Engineering ¹	3
Visualization Sequence		
LAND 6311	Digital Media I	3
LAND 6312	Digital Media II	3
RCSE 6050	Geospatial Data Collection and Analysis for Environmental Applications	3
Studio Sequence		
LAND 6011	Floodscapes Studio	6
LAND 6021	Landscape and Engineering Design Studio: Coastal	6
LAND 6022	Landscape and Engineering Design Studio: Riverine	6
LAND 6031	Streetscapes Design Studio	6
LAND 6032	Forest Urbanism and Waste Design Studio	6
LAND 6051	Regional Climate Adaptation and Urbanism Research Studio	6
LAND 6980	Thesis Research Methods	3
LAND 6990	Thesis Studio	6
Eco-Technology Sequence		
EBIO 6030	Field Botany	4
EBIO 6031	Field Botany Lab ²	0
EBIO 6580	Urban Ecology	3
EBIO 6590	Plant Biology and Adaptation	4
EBIO 6591	Plant Biology & Adaptation Lab ³	0
LAND 6211	Landscape Building Technologies I	3
LAND 6212	Landscape Building Technologies II	3
RCSE 6010	Water Resources Engineering I	3
RCSE 6020	Water Resources Engineering II	3
RCSE 6030	Water Resources Engineering III	3
RCSE 6060	The Role of Soils in Riparian Landscapes	3
RCSE 6800	Intro to River Science & Eng	3
RCSE 6802	Introduction to Coastal Science and Engineering	3
Electives		
General Electives (2)		6
Total Credit Hours		110

¹ All students must enroll in three semesters of the one-credit seminar course (RCSE 7100).

² EBIO 6030 and EBIO 6031 are co-requisites and must be taken during the same semester.

³ EBIO 6590 and 6591 are co-requisites and must be taken during the same semester.

Students hoping to transfer graduate credits for required RCSE courses should prepare and submit the paperwork at the start of their second semester at Tulane. SSE will only transfer credits when the student has completed one semester (it is at that point that a Tulane transcript is available).

Students can transfer up to 12 credit hours from previous graduate-level coursework to the degree. The RCSE Graduate Advisor must approve all transfer credits.

Contact

For more information, contact the School of Architecture and Built Environment (<https://landscape-engineering.tulane.edu/>).