

Master of Science (CSE-CEE) Construction and Infrastructure Systems Engineering (CISE)

REQUIREMENT

The home school (CEE) portion should be 12 hours, with an application area* (at least 3 hrs) and a CEE theme (at least 6 hrs) including CEE 7000 Masters Thesis and CEE 8956 Masters Special Research Problem. The spirit of the degree program is that the student would apply some of the basic CSE skills to the CEE-CISE theme via an identifiable course.

MAJOR THEME COURSES

		Credit Hours	Semester (tentative)
<u>CEE CISE Computing</u>			
CEE 6110	Computer Applications for Construction (Prof. Marks)	3	Fall
CEE 8813	*Automation in Construction (Prof. Cho)	3	Fall
CEE 8813	Data Analytics for CEE Systems (Prof. Tien)	3	Fall (alternating years)
CEE 8813	*Advanced AI for Smart Cities (Prof. Tsai)	3	Spring (not in 2023)
CEE 6652	*Infrastructure Management: IT Applications (Prof. Tsai)	3	Fall (alternating years)
CEE 8813	Data Analytics for Transportation Safety (Prof. Tasi)	3	Fall

Thesis and Research Courses

CEE 7000	Masters Thesis (Section per advisor)	6	all
CEE 8956	Masters Special Research Problem	3	all

Notes and Expectations

- * classes are application courses and can be considered CEE theme courses as well.
- The CSE MS requirement can be found here: <https://catalog.gatech.edu/programs/computational-science-engineering-ms/#requirementstext>
- CEE 8956 should be used for research-based credits for MS non-thesis students. It should be considered similar to CEE 7000. Please note all sections are now **pass-fail**, and a maximum of three credits can be used toward the MS degree. Students should choose the course advisor (s) from the CISE faculty.
- For those who want to pursue a dual-MS degree from CSE-CEE and CEE-CISE, six credits are transferrable between them.

Contact for Questions: Yong K. Cho, Ph.D., Professor
School of Civil and Environmental Engineering
Mason Building 4140B
790 Atlantic Dr.
Phone: 404-385-2038
Email: yong.cho@ce.gatech.edu