

Want to earn your Master of Science in civil engineering in one year of full-time study beyond your Bachelor of Science in civil engineering? Then take a look at our 4 + 1 program.

There are many reasons to consider a master's degree:

- Gain top-notch training in your chosen civil engineering specialty.
- Become an expert in your chosen thesis (or report) research.
- Position yourself in a competitive employment market.
- Earn 9-13% more than those with only a bachelor's degree.

The Master of Science program in transportation places an emphasis for courses and research on transportation engineering, planning, operations and management. Our studies address local, state, national and international issues with funding from federal, state, local and private sources. We develop and investigate new methods and technologies to analyze the performance and safety of alternative transportation operations and designs. See below for an outline of the curriculum.



SENIOR YEAR		SENIOR Y	SENIOR YEAR		GRADUATE YEAR		GRADUATE YEAR	
Fall Semester		Spring Se	Spring Semester		Fall Semester		Spring Semester	
CVEN 4000	Senior Seminar	CVEN 4067	Senior Design	CVEN 5662	Transportation	CVEN 5611	Traffic and Safety Data	
CVEN 4230	Construction Engineering Systems	CVEN 4xxx	Design Elective (3 of 3)		Systems Safety		Analysis	
		CVEN 4xxx	Techincal Elective	CVEN 5xxx	Graduate Elective (1 of 2)	CVEN 5612	Traffic Impact Assessment	
CVEN 4xxx	Design Elective (1 of 3)	CVEN 56021	Advanced Highway Design		,			
CVEN 4xxx	Design Elective (2 of 3)	0.11.0001		CVEN 5xxx	Graduate Elective (2 of 2)	CVEN 5633	Case Studies in Sustainable Transport	
CVEN 56211	Highway Capacity Analysis	Varies	Core Curriculum	CVEN 59503	Master's Thesis (1 of 2)	CVEN 59503	Master's Thesis (2 of 2)	
		TOTAL CRED	TOTAL CREDITS 15					
TOTAL CREDITS 12					TOTAL CREDITS 12		TOTAL CREDITS 12	

Ready to apply? Visit http://engineering.ucdenver.edu/civil/admission-MS.

- 1. Courses count toward bachelor's and master's degrees. 2. CVEN-5960 Master Report and a third Graduate Elective may substitute for 2×(CVEN-5950).

303.556.2871



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